

1. Automatic diagnosis of obstructive sleep apnea/hypopnea events using respiratory signals

Aydogan, O. (Kahramanmaraş Sutcu Imam Univ., Kahramanmaraş, Turkey); Oter, A.; Guñey, K.; Kınodot;ymık, M.K.; Tuncel, D. **Source:** *Journal of Medical Systems*, v 40, n 12, p 274 (8 pp.), Dec. 2016

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2. A thin layer-based amperometric enzyme immunoassay for the rapid and sensitive diagnosis of respiratory syncytial virus infections

Rochelet, Murielle (Université de Bourgogne, UMR 1347 Agroécologie, 7 Boulevard Jeanne d'Arc, 21000 Dijon, France); Solanas, Sébastien; Grossiord, Céline; Maréchal, Patricia; Résa, Cécile; Vienney, Fabienne; Barranger, Come; Joannes, Martine **Source:** *Talanta*, v 100, p 139-144, October 15, 2012

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3. Validation of forehead venous pressure as a measure of respiratory effort for the diagnosis of sleep apnea

Popovic, Djordje (University of Southern California, Los Angeles, CA, United States); King, Christopher; Guerrero, Melanie; Levendowski, Daniel J.; Henninger, Delmer; Westbrook, Philip R. **Source:** *Journal of Clinical Monitoring and Computing*, v 23, n 1, p 1-10, 2009

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4. Automatic detection of tree-in-bud patterns for computer assisted diagnosis of respiratory tract infections

Bagcı, Ulas (Center for Infectious Diseases Imaging, United States); Yao, Jianhua; Caban, Jesus; Palmore, Tara N.; Suffredini, Anthony F.; Mollura, Daniel J. **Source:** *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS*, p 5096-5099, 2011, *33rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS 2011*

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5. Real-time Regional Respiratory Sound Diagnosis Instrument

Kahya, Yasemin P. (Department of Electrical Engineering, Bogazici University, Istanbul, Turkey); Çini, Ugur; Cerid, Omer **Source:** *Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings*, v 4, p 3098-3101, 2003

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6. Bioinformatics Analysis on Potential Anti-Viral Targets Against Spike Protein of MERS-CoV

Yan-Hua Li (State Key Lab. for Diagnosis & Treatment of Infectious Diseases, Zhejiang Univ., Hangzhou, China); Hainv Gao; Yunfeng Xiao; Tianhao Weng; Dongshan Yu; Chenyu Hu; Hang-Ping Yao; Lan-Juan Li **Source:** *2018 9th International Conference on Information Technology in Medicine and Education (ITME). Proceedings*, p 67-71, 2018

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7. A comparative study of the svm and k-nn machine learning algorithms for the diagnosis of respiratory pathologies using pulmonary acoustic signals (Open Access)

Palaniappan, Rajkumar (Al-Rehab Research Group, Kampus Pauh Putra, Universiti Malaysia Perlis (UniMAP), Perlis, Malaysia); Sundaraj, Kenneth; Sundaraj, Sebastian **Source:** *BMC Bioinformatics*, v 15, n 1, June 27, 2014

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8. On major developments in the diagnosis, pathogenesis and clinical studies of dust-related respiratory diseases

Monaenkova, A.M.; Pankova, V.B.; Milishnikova, V.V.; Gladkova, E.V.; Yaglov, V.V.; Loschilov, Yu.A.; Grishina, T.I.

Source: *Medsina Truda I Promyshlennaya Ekologiya*, n 4, p 1-4, 1991 **Language:** Russian

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9. Usefulness of Spectral Analysis of Respiratory Rate Variability to Help in Pediatric Sleep Apnea-Hypopnea Syndrome Diagnosis

Barroso-Garcia, V. (Biomed. Eng. Group, Univ. de Valladolid, Valladolid, Spain); Gutierrez-Tobal, G.C.; Kheirandish-Gozal, L.; Alvarez, D.; Vaquerizo-Villar, F.; del Campo, F.; Gozal, D.; Hornero, R. **Source:** *2019 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, p 4580-3, 2019

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10. Information system for diagnosis of respiratory system diseases (Open Access)

Abramov, G.V. (Voronezh State University, University Square 1, Voronezh; 394000, Russia); Korobova, L.A.; Ivashin, A.L.; Matytsina, I.A. **Source:** *Journal of Physics: Conference Series*, v 1015, n 4, May 22, 2018, *International Conference Information Technologies in Business and Industry 2018 - Enterprise Information Systems*

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11. Using Mobile Phone Sensors to Detect Rapid Respiratory Rate in the Diagnosis of Pneumonia

Xingjuan Li (Sch. of Inf. Technol. & Electr. Eng., Univ. of Queensland, Brisbane, QLD, Australia) **Source:** *International Journal of Engineering and Technology*, v 8, n 4, p 293-6, Aug. 2016

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12. A thin layer-based amperometric enzyme immunoassay for the rapid and sensitive diagnosis of respiratory syncytial virus infections

Rochelet, Murielle (Université de Bourgogne, UMR 1347 Agroécologie, 7 Boulevard Jeanne d'Arc, 21000 Dijon, France); Solanas, Sébastien; Grossiord, Céline; Maréchal, Patricia; Résa, Cécile; Vienney, Fabienne; Barranger, Come; Joannes, Martine **Source:** *Talanta*, v 100, p 139-144, October 15, 2012

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13. Novel alphacoronaviruses and paramyxoviruses cocirculate with type 1 and severe acute respiratory system (SARS)-related betacoronaviruses in synanthropic bats of Luxembourg

Pauly, Maude (Infectious Diseases Research Unit, Department of Infection and Immunity, Luxembourg Institute of Health, Esch-sur-Alzette, Luxembourg); Pir, Jacques B.; Loesch, Catherine; Sausy, Aurélie; Snoeck, Chantal J.; Hübschen, Judith M.; Muller, Claude P. **Source:** *Applied and Environmental Microbiology*, v 83, n 18, September 1, 2017

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14. Integrated decision support in diagnosis and treatment of acute respiratory viral infections by means of fuzzy-logic expert systems

Uskov, A.A. (Russian Univ. of Cooperation, Mytishchi, Russia); Shipilov, M.V. **Source:** *Neurocomputers: Development and Application*, n 11, p 64-71, 2011 **Language:** Russian

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15. Probabilistic differential diagnosis of Middle East respiratory syndrome (MERS) using the time from immigration to illness onset among imported cases

Ejima, Keisuke (Graduate School of Medicine, The University of Tokyo, Medical Building No. 3, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan); Aihara, Kazuyuki; Nishiura, Hiroshi **Source:** *Journal of Theoretical Biology*, v 346, p 47-53, April 7, 2014

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16. Integer and fractional-order modelling in the early diagnosis of the respiratory abnormalities associated with smoking and chronic obstructive pulmonary disease

Ribeiro, Caroline Oliveira (Biomedical Instrumentation Laboratory, Institute of Biology and Faculty of Engineering, State University of Rio de Janeiro, Rio de Janeiro, Brazil); Faria, Alvaro Camilo Dias; Lopes, Agnaldo José; de Melo, Pedro Lopes **Source:** *IFMBE Proceedings*, v 70, n 1, p 63-68, 2019

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17. Screening of electrophilic compounds yields an aziridinyI peptide as new active-site directed SARS-CoV main protease inhibitor

Martina, Erika (Institute of Pharmacy and Food Chemistry, University of Würzburg, Am Hubland, D-97074 Würzburg, Germany); Stiefl, Nikolaus; Degel, Björn; Schulz, Franziska; Breuning, Alexander; Schiller, Markus; Vicik, Radim; Baumann, Knut; Ziebuhr, John; Schirmeister, Tanja **Source:** *Bioorganic and Medicinal Chemistry Letters*, v 15, n 24, p 5365-5369, December 15, 2005

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18. Fifty-five years of international epidemic-assistance investigations conducted by CDC's disease detectives

Rolle, Italia V. (Division of Public Health Systems and Workforce Development, Center for Global Health, Centers for Disease Control and Prevention, 1600 Clifton Road NE, Atlanta, GA 30333, United States); Pearson, Michele L.; Nsubuga, Peter **Source:** *American Journal of Epidemiology*, v 174, n SUPPL. 11, p S97-S112, December 1, 2011

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19. Microcomputer-based respiratory heat exchange facility for use in the diagnosis of thermally induced asthma

Farley, R.D. (Dep of Respiratory Medicine, United Kingdom); Patel, K.R. **Source:** *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*, v 203, n 1, p 43-48, 1989

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20. A RESPIRATORY MECHANICAL PARAMETERS ESTIMATION TECHNOLOGY BASED ON EXTENDED LEAST SQUARES

Shi, Yan (School of Automation Science and Electrical Engineering, Beihang University, Beijing; 100191, China); Niu, Jinglong; Cai, Maolin; Xu, Weiqing **Source:** *Journal of Mechanics in Medicine and Biology*, v 16, n 3, May 1, 2016

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21. An improved method of early diagnosis of smoking-induced respiratory changes using machine learning algorithms (Open Access)

Amaral, Jorge L.M. (Department of Electronics and Telecommunications Engineering, State University of Rio de Janeiro, Rio de Janeiro, Brazil); Lopes, Agnaldo J.; Jansen, José M.; Faria, Alvaro C.D.; Melo, Pedro L. **Source:** *Computer Methods and Programs in Biomedicine*, v 112, n 3, p 441-454, December 2013

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22. Respiratory odor recognition and disease diagnosis method of gastric cancer based on the concept of combination of disease and syndrome

Xie, Fen (Shandong University of Arts, Jinan; 250014, China) **Source:** *Chemical Engineering Transactions*, v 68, p 397-402, 2018

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23. Analysis of the respiratory flow signal for the diagnosis of patients with chronic heart failure using artificial intelligence techniques

Rodríguez, J.C. (Universidad Autónoma de Bucaramanga (UNAB), Dept. Ingenierías físico-mecánicas, Ingeniería Mecatrónica, Bucaramanga, Colombia); Arizmendi, Carlos J.; Forero, C.A.; Lopez, S.K.; Giraldo, B.F. **Source:** *IFMBE Proceedings*, v 60, p 46-49, 2017, *7th Latin American Congress on Biomedical Engineering, CLAIB 2016*

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24. Structural definition of a neutralization epitope on the N-terminal domain of MERS-CoV spike glycoprotein

Zhou, Haixia (The Ministry of Education Key Laboratory of Protein Science, Beijing Advanced Innovation Center for Structural Biology, Beijing Frontier Research Center for Biological Structure, Collaborative Innovation Center for Biotherapy, School of Life Sciences, Tsinghua University, Beijing; 100084, China); Chen, Yingzhu; Zhang, Shuyuan; Niu, Peihua; Qin, Kun; Jia, Wenxu; Huang, Baoying; Zhang, Senyan; Lan, Jun; Zhang, Linqi; Tan, Wenjie; Wang, Xinquan **Source:** *Nature Communications*, v 10, n 1, December 1, 2019

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25. Chair/bedside diagnosis of oral and respiratory tract infections, and identification of antibiotic resistances for personalised monitoring and treatment

Mitsakakis, Konstantinos (Hahn-Schickard, Georges-Koehler-Allee 103, Freiburg; 79110, Germany); Stumpf, Fabian; Strohmeier, Oliver; Klein, Vanessa; Mark, Daniel; Von Stetten, Felix; Peham, Johannes R.; Herz, Christopher; Tawakoli, Pune Nina; Wegehaupt, Florian; Attin, Thomas; Bostanci, Nagihan; Bao, Kai; Belibasakis, Georgios N.; Hays, John P.; Elshout, Gijs; Huisman, Robin C.; Klein, Stephanie; Stubbs, Andrew P.; Doms, Lutz; Wolf, Andreas; Rusu, Viorel; Goethel, Sven; Binsl, Thomas; Michie, Alex; Jancovicova, Jana; Kolar, Vladimir; Kostka, Michal; Smutny, Jiri; Karpisek, Michal; Estephan, Caroline; Cocaud, Camille; Zengerle, Roland **Source:** *Studies in Health Technology and Informatics*, v 224, p 61-66, 2016, *pHealth 2016 - Proceedings of the 13th International Conference on Wearable Micro and Nano Technologies for Personalised Health*

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26. An overview of successful TGEV vaccination strategies and discussion on the interrelationship between TGEV and PRCV

Welter, M.W. (Ambico, Inc., Dallas Center, IA, United States); Horstman, M.P.; Welter, C.J.; Welter, L.M. **Source:** *Advances in Experimental Medicine and Biology*, v 342, p 463-468, 1994

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27. Gastric aspirate shake test for diagnosis of surfactant deficiency in neonates with respiratory distress

Chaudhari, R. (Division of Neonatology, Department of Pediatrics, KEM Hospital, Pune 411 011, India); Deodhar, Jayant; Kadam, S.; Bavdekar, A.; Pandit, A. **Source:** *Annals of Tropical Paediatrics*, v 25, n 3, p 205-209, September 2005

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28. Use of procalcitonin, neopterin, haptoglobin, serum amyloid A and proinflammatory cytokines in diagnosis and prognosis of bovine respiratory disease in feedlot calves under field conditions

El-Deeb, Wael (Department of Clinical Sciences, College of Veterinary Medicine, King Faisal University, Al-Hofuf P.O. 400, Al-Ahsa; 31982, Saudi Arabia); Elsohaby, Ibrahim; Fayez, Mahmoud; Mkrtychyan, Hermine V; El-Etriby, Dalia; ElGioushy, Magdy **Source:** *Acta Tropica*, v 204, April 2020

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29. MARKOVIAN DECISION MODEL FOR CLINICAL DIAGNOSIS AND TREATMENT APPLIED TO THE RESPIRATORY SYSTEM.

Gheorghe, Adrian V. (Department of Management Science, Bucharest Polytechnical Institute, Bucharest); Bali, Hari N.; Carson, Ewart R. **Source:** *IEEE Transactions on Systems, Man and Cybernetics*, v SMC-6, n 9, p 595-605, Sep 1976

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Seireg, A.A.; Frincipe, F.S. **Source:** *Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings*, p 112, 1982

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31. Molecular dynamic studies of interferon and innate immunity resistance in MERS CoV non-structural protein 3

Alfuwaires, Manal (Department of Biology, Faculty of Science, King Faisal University, Alhofuf, Alahsa; 31982, Saudi Arabia); Altaher, Abdallah; Kandeel, Mahmoud **Source:** *Biological and Pharmaceutical Bulletin*, v 40, n 3, p 345-351, 2017

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32. Arch-shaped multiple-target sensing for rapid diagnosis and identification of emerging infectious pathogens

Koo, Bonhan (Department of Convergence Medicine, Asan Medical Center, University of Ulsan College of Medicine, Biomedical Engineering Research Center, Asan Institute of Life Sciences, Asan Medical Center, 88 Olympicro-43gil, Songpa-gu, Seoul, Korea, Republic of); Hong, Ki Ho; Jin, Choong Eun; Kim, Ji Yeun; Kim, Sung-Han; Shin, Yong **Source:** *Biosensors and Bioelectronics*, v 119, p 79-85, 15 November 2018

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33. Automatic detection of tree-in-bud patterns for computer assisted diagnosis of respiratory tract infections

Bagci, U. (Critical Care Med. Dept., Nat. Inst. of Health (NIH), Bethesda, MD, United States); Jianhua Yao; Caban, J.; Palmore, T.N.; Suffredini, A.F.; Mollura, D.J. **Source:** *2011 33rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, p 5096-9, 2011

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34. Bigdata fog based cyber physical system for classifying, identifying and prevention of SARS disease

Raghav, R.S. (Dept. of CSE, KL Univ., Guntur, India); Dhavachelvan, P. **Source:** *Journal of Intelligent & Fuzzy Systems: Applications in Engineering and Technology*, v 36, n 5, p 4361-73, 2019

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35. Dynamical transmission model of MERS-CoV in two areas

Yong, B. (Dept. of Math., Parahyangan Catholic Univ., Bandung, Indonesia); Owen, L. **Source:** *AIP Conference Proceedings*, v 1716, p 020010 (7 pp.), 29 Feb. 2016

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36. Bigdata fog based cyber physical system for classifying, identifying and prevention of SARS disease

Raghav, R.S. (Department of CSE, KL University, Andhra Pradesh, India); Dhavachelvan, P. **Source:** *Journal of Intelligent and Fuzzy Systems*, v 36, n 5, p 4361-4373, 2019

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37. Identification of δ' - β -fluoro-homoaristeromycin as a potent inhibitor of chikungunya virus replication

Shin, Young Sup (Research Institute of Pharmaceutical Sciences, College of Pharmacy, Seoul National University, Seoul; 08826, Korea, Republic of); Jarhad, Dnyandev B.; Jang, Min Hwan; Kovacicova, Kristina; Kim, Gyudong; Yoon, Ji-seong; Kim, Hong-Rae; Hyun, Young Eum; Tipnis, Amol S.; Chang, Tong-Shin; van Hemert, Martijn J.; Jeong, Lak Shin **Source:** *European Journal of Medicinal Chemistry*, v 187, 1 February 2020

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38. Validation of the Forced Oscillation Technique in the diagnostic of respiratory changes in patients with silicosis

Sa', P.M. (Biomed. Instrum. Lab., State Univ. of Rio de Janeiro, Rio de Janeiro, Brazil); Faria, A.C.D.; Ferreira, A.S.; Lopes, A.J.; Jansen, J.M.; Melo, P.L. **Source:** *2010 32nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC 2010)*, p 398-401, 2010

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39. Metrological aspects of dynamic measurements in diagnosis of the respiratory function

Volynets, V.T.; Lopata, V.A.; Cherin'ko, V.A. **Source:** *Measurement Techniques*, v 33, n 6, p 623-6, June 1990

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40. Respiratory tuberculosis and current potentialities of X-ray diagnosis

Borisova, N.K. (Rossijskaya Meditsinskaya Akademiya, Poslediplomnogo Obrazovaniya, Moscow, Russia); Miyadina, R.G. **Source:** *Vestnik Rentgenologii i Radiologii*, n 5, p 51-54, Sept-Oct 1995 **Language:** Russian

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41. Discovery of hepatitis C virus NS3 helicase inhibitors by a multiplexed, high-throughput helicase activity assay based on graphene oxide

Jang, Hongje (Department of Chemistry, Seoul National University, Seoul, 151-747, Korea, Republic of); Ryoo, Soo-Ryoon; Kim, Young-Kwan; Yoon, Soojin; Kim, Henna; Han, Sang Woo; Choi, Byong-Seok; Kim, Dong-Eun; Min, Dal-Hee **Source:** *Angewandte Chemie - International Edition*, v 52, n 8, p 2340-2344, February 18, 2013

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42. Discovery of hepatitis C virus NS3 helicase inhibitors by a multiplexed, high-throughput helicase activity assay based on graphene oxide

Jang, Hongje (Department of Chemistry, Seoul National University, Seoul, 151-747, Korea, Republic of); Ryoo, Soo-Ryoon; Kim, Young-Kwan; Yoon, Soojin; Kim, Henna; Han, Sang Woo; Choi, Byong-Seok; Kim, Dong-Eun; Min, Dal-Hee **Source:** *Angewandte Chemie - International Edition*, v 52, n 8, p 2340-2344, February 18, 2013

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43. Generating stable chinese hamster ovary cell clones to produce a truncated SARS-CoV spike protein for vaccine development

Lin, Shih-Chang (Institute of Biotechnology, Dept. of Life Science, National Tsing Hua University, Hsinchu 30013, Taiwan); Leng, Chih-Hsiang; Wu, Suh-Chin **Source:** *Biotechnology Progress*, v 26, n 6, p 1733-1740, November/December 2010

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44. Investigation of C-terminal domain of SARS nucleocapsid protein-Duplex DNA interaction using transistors and binding-site models

Hsu, You-Ren (Institute of Nanoengineering and Microsystems, National Tsing Hua University, Hsinchu, 300, Taiwan); Kang, Yen-Wen; Fang, Jung-Ying; Lee, Geng-Yen; Chyi, Jen-Inn; Chang, Chung-Ke; Huang, Chih-Cheng; Hsu, Chen-Pin; Huang, Tai-Huang; Huang, Yu-Fen; Sun, Yuh-Chang; Hsu, Chia-Hsien; Chen, Chih-Chen; Li, Sheng-Shian; Yeh, J. Andrew; Yao, Da-Jeng; Ren, Fan; Wang, Yu-Lin **Source:** *Sensors and Actuators, B: Chemical*, v 193, p 334-339, March 31, 2014

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45. Investigation of C-terminal domain of SARS nucleocapsid protein-Duplex DNA interaction using transistors and binding-site models

You-Ren Hsu (Inst. of Nanoengineering & Microsyst., Nat. Tsing Hua Univ., Hsinchu, Taiwan); Yen-Wen Kang; Jung-Ying Fang; Geng-Yen Lee; Jen-Inn Chyi; Chung-ke Chang; Chih-Cheng Huang; Chen-Pin Hsu; Tai-huang Huang; Yu-Fen Huang; Yuh-Chang Sun; Chia-Hsien Hsu; Chih-Chen Chen; Sheng-Shian Li; Yeh, J.A.; Da-Jeng Yao; Fan Ren; Yu-Lin Wang **Source:** *Sensors and Actuators B (Chemical)*, v 193, p 334-9, 31 March 2014

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46. Investigation of C-terminal domain of SARS nucleocapsid protein-Duplex DNA interaction using transistors and binding-site models

Hsu, You-Ren (Institute of Nanoengineering and Microsystems, National Tsing Hua University, Hsinchu, 300, Taiwan); Kang, Yen-Wen; Fang, Jung-Ying; Lee, Geng-Yen; Chyi, Jen-Inn; Chang, Chung-Ke; Huang, Chih-Cheng; Hsu, Chen-Pin; Huang, Tai-Huang; Huang, Yu-Fen; Sun, Yuh-Chang; Hsu, Chia-Hsien; Chen, Chih-Chen; Li, Sheng-Shian; Yeh, J. Andrew; Yao, Da-Jeng; Ren, Fan; Wang, Yu-Lin **Source:** *Sensors and Actuators, B: Chemical*, v 193, p 334-339, March 31, 2014

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47. Development of a Complex of the Respiratory Function Parameters Informative for Screening Diagnosis and Prediction of Dust-Induced Pulmonary Pathology. (FORMIROVANIE KOMPLEKSA INFORMATIVNYKH POKAZATELEI DYKHATEL'NOI FUNKTSII DLYA SKRINING-DIAGNOSTIKI I PROGNOZA PYLEVOI PATOLOGII LEGKIKH.)

Prosina, I.I. **Source:** *Medsina Truda I Promyshlennaya Ekologiya*, p 7-10, Dec 1984 **Language:** Russian

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48. A novel strategy for analyzing RNA-protein interactions by surface plasmon resonance biosensor

Yang, Yaling (State Key Laboratory of Virology, College of Life Sciences, Wuhan University, Wuhan 430072, China); Wang, Quan; Guo, Deyin **Source:** *Molecular Biotechnology*, v 40, n 1, p 87-93, September 2008

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49. Phase detection of the two-port FPW sensor for biosensing

Wen-Yang Chang (Dept. of Eng. Sci., Nat. Cheng Kung Univ., Tainan, Taiwan); Po-Hsun Sung; Chun-Hsun Chu; Ching-Jui Shih; Yu-Cheng Lin **Source:** *IEEE Sensors Journal*, v 8, n 5, p 501-7, May 2008

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50. Development of reflective biosensor using fabrication of functionalized photonic nanocrystals

Park, Tae Jung (Center for Systems and Synthetic Biotechnology, Institute for the BioCentury, KAIST, 335 Gwahangno, Yuseong-gu, Daejeon 305-701, Korea, Republic of); Lee, Seung-Kon; Yoo, Seung Min; Yang, Seung-Man; Lee, Sang Yup **Source:** *Journal of Nanoscience and Nanotechnology*, v 11, n 1, p 632-637, January 2011

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51. Development of Reflective Biosensor Using Fabrication of Functionalized Photonic Nanocrystals

Tae Jung Park (BioProcess Eng. Res. Center, KAIST, Daejeon, Korea, Republic of); Seung-Kon Lee; Seung Min Yoo; Seung-Man Yang; Sang Yup Lee **Source:** *Journal of Nanoscience and Nanotechnology*, v 11, n 1, p 632-7, Jan. 2011

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Lorandi, L. (Department of Mechanical and Industrial Engineering, University of Texas at El Paso, El Paso; TX; 79968, United States); Diong, B.; Nava, P.; Solis, F.; Menendez, R.; Ortiz, G.; Nazeran, H. **Source:** *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS*, v 1, p 778-781, 2003, *Proceedings of the 25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society: A New Beginning for Human Health, EMBS 2003*

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53. Newcastle disease virus, a host range-restricted virus, as a vaccine vector for intranasal immunization against emerging pathogens

DiNapoli, J.M. (Lab. of Infectious Diseases, Nat. Inst. of Health, Bethesda, MD, United States); Kotelkin, A.; Lijuan Yang; Elankumaran, S.; Murphy, B.R.; Samal, S.K.; Collins, P.L.; Bukreyev, A. **Source:** *Proceedings of the National Academy of Sciences of the United States of America*, v 104, n 23, p 9788-93, 5 June 2007

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Enserink, Martin **Source:** *Science*, v 307, n 5709, p 493, January 28, 2005

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55. In vivo and In vitro Diagnosis of Allergic Respiratory Disease During Screening Procedures in the Italian Navy; Comparative Evaluation of a Recent Quantitative Automated Enzyme Immunoassay Method to Dose Specific IgE

Anzalone, G.; Del Trecco, M.; Vizzaccaro, A.; Corsico, A. (Navy Hospital of La Spezia (Italy).), 7p, Apr 1992

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Gasparri, R. (Dept. of Thoracic Surg., Eur. Inst. of Oncology IRCCS, Milan, Italy); Sedda, G.; Spaggiari, L. **Source:** *Sensors*, v 18, n 9, p 3029 (3 pp.), Sept. 2018

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57. Modeling on clinical group decision support system for screening and working diagnosis acute respiratory infections (Open Access)

Syaukani, Muhammad (Information Technology, STMIK Indonesia Banjarmasin, Indonesia); Hartati, Sri; Kusnanto, Hari; Guritno, Suryo **Source:** *IOP Conference Series: Materials Science and Engineering*, v 508, n 1, May 1, 2019, *Tarumanagara International Conference on the Applications of Technology and Engineering*

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58. Modelling of potentially promising SARS protease inhibitors

Plewczynski, D. (Interdiscipl. Centre for Math. & Comput. Modelling, Warsaw Univ., Warsaw, Poland); Hoffmann, M.; von Grotthuss, M.; Knizewski, L.; Rychewski, L.; Eitner, K.; Ginalski, K. **Source:** *Journal of Physics: Condensed Matter*, v 19, n 28, p 285207 (18 pp.), 18 July 2007

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Singh, Jerome A. (Howard College School of Law, University of Natal, King George V Avenue, Durban 4041, South Africa) **Source:** *Nature*, v 423, n 6940, p 585, June 5, 2003

Database: Chimica

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60. Computed tomography in diagnosis and medical examination of respiratory occupational diseases

Lygin, D.P. (Tsent. Prof. Pat., Minzdrav Rostovskoj Obl., Shakhty, Rostovskaya oblast, Russia); Voloshchenko, O.A.

Source: *Meditsina Truda I Promyshlennaya Ekologiya*, n 1, p 36-37, 2004 **Language:** Russian

Database: Compendex

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61. A 65-nm CMOS Low-Power Impulse Radar System for Human Respiratory Feature Extraction and Diagnosis on Respiratory Diseases

Tseng, Shao-Ting (Department of Electrical Engineering, National Tsing Hua University, Hsinchu City; 300, Taiwan); Kao, Yu-Hsien; Peng, Chun-Chieh; Liu, Jinn-Yann; Chu, Shao-Chang; Hong, Guo-Feng; Hsieh, Chi-Hsuan; Hsu, Kung-Tuo; Liu, Wen-Te; Huang, Yuan-Hao; Huang, Shi-Yu; Chu, Ta-Shun **Source:** *IEEE Transactions on Microwave Theory and Techniques*, v 64, n 4, p 1029-1041, April 2016

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62. The Rapid Diagnosis of Acute Respiratory Disease Due to Adenovirus: Preparation and Standardization of Fluorescent Antibody Reagents

McCormick, D. P.; Galapon, Q.; Berling, C.; Smith, E. P.; Combs, R. S. (Naval Medical Field Research Lab Camp Lejeune N C), 12p, May 1972

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63. Artificial Intelligence (AI) Infused Cow Necklace-For Diagnosis of Bovine Respiratory Diseases

Vuppapalapati, Chandrasekar (Hanumayamma Innovations and Technologies Inc., California; 94536, United States); Vuppapalapati, Rajasekar; Kedari, Sharat; Ilapakurti, Anitha; Ramalingam, Archana; Vuppapalapati, Jaya Shankar; Kedari, Santosh **Source:** *Proceedings - International Conference on Machine Learning and Cybernetics*, v 1, p 222-229, November 7, 2018, *Proceedings of 2018 International Conference on Machine Learning and Cybernetics, ICMLC 2018*

Database: Compendex

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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64. Statistical and nonlinear analysis of oximetry from respiratory polygraphy to assist in the diagnosis of Sleep Apnea in children

A'lvarez, D. (Biomed. Eng. Group, Univ. de Valladolid, Valladolid, Spain); Gutierrez-Tobal, G.C.; Alonso, M.L.; Teran, J.; del Campo, F.; Hornero, R. **Source:** *2014 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, p 1860-3, 2014

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65. Low-cost respiratory motion tracking system

Goryawala, Mohammed (Florida International University, Miami, FL, United States); Del Valle, Misael; Wang, Jiali; Byrne, James; Franquiz, Juan; McGoron, Anthony **Source:** *Progress in Biomedical Optics and Imaging - Proceedings of SPIE*, v 6918, 2008, *Medical Imaging 2008 - Visualization, Image-Guided Procedures, and Modeling*

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66. Using respiratory resistance values in diagnosis of paradoxical vocal fold motion

Vossoughi, Jafar (ESRA, 3616 Martins Dairy Circle, Olney, MD 20832, United States); Johnson, Arthur; Gallena, Sally; Tian, Wei **Source:** *2011 IEEE 37th Annual Northeast Bioengineering Conference, NEBEC 2011, 2011, 2011 IEEE 37th Annual Northeast Bioengineering Conference, NEBEC 2011*

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67. Respiratory diseases and their diagnosis in workers engaged into all-mash production

Kuchuk, A.A. (Inst Meditsiny Truda AMN Ukrainy, Kiev, Ukraine); Rossinskaya, L.N.; Basanets, A.V. **Source:** *Meditsina Truda I Promyshlennaya Ekologiya*, n 4, p 19-23, Apr 1999 **Language:** Russian

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Data Provider: Engineering Village

68. A self-assembled fusion protein-based surface plasmon resonance biosensor for rapid diagnosis of severe acute respiratory syndrome

Park, Tae Jung (BioProcess Engineering Research Center, Center for Systems and Synthetic Biotechnology, Institute for the BioCentury, 335 Gwahangno, Yuseong-gu, Daejeon, 305-701, Korea, Republic of); Hyun, Moon Seop; Lee, Hye Jin; Lee, Sang Yup; Ko, Sungho **Source:** *Talanta*, v 79, n 2, p 295-301, July 15, 2009

Database: Compendex

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69. A self-assembled fusion protein-based surface plasmon resonance biosensor for rapid diagnosis of severe acute respiratory syndrome

Park, Tae Jung (BioProcess Engineering Research Center, Center for Systems and Synthetic Biotechnology, Institute for the BioCentury, 335 Gwahangno, Yuseong-gu, Daejeon, 305-701, Korea, Republic of); Hyun, Moon Seop; Lee, Hye Jin; Lee, Sang Yup; Ko, Sungho **Source:** *Talanta*, v 79, n 2, p 295-301, July 15, 2009

Database: Chimica

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70. Effect of various pyrimidines possessing the 1-[(2-hydroxy-1-(hydroxymethyl)ethoxy)methyl] moiety, able to mimic natural 2'-deoxyribose, on wild-type and mutant hepatitis B virus replication

Kumar, Rakesh (Department of Laboratory Medicine and Pathology, Faculty of Medicine and Dentistry, University of Alberta, Edmonton, Alta. T6G 2H7, Canada); Semaine, Wassila; Johar, Monika; Tyrrell, D. Lorne J.; Agrawal, Babita
Source: *Journal of Medicinal Chemistry*, v 49, n 12, p 3693-3700, June 15, 2006

Database: Chimica

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71. Monitoring of respiratory cycles utilizing sensors on sleeping mat

Dow, Douglas E. (Dept. of Electrical Engineering and Technology, Wentworth Institute of Technology, Boston; MA, United States); Horiguchi, Yukio; Hirai, Yoshiki; Hayashi, Isao
Source: *ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE)*, v 3, 2017, *ASME 2017 International Mechanical Engineering Congress and Exposition, IMECE 2017*

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Wilson, R. P.; Nxumalo, M. (Centers for Disease Control and Prevention, Atlanta, GA.)
Sponsor: Agency for International Development, Washington, DC., 28p, 1992

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73. Integrated software suite for diagnosis of respiratory diseases

Badnjević, Almir (New Technology Ltd. Sarajevo, Zmaja od Bosne 90, 71000 Sarajevo, Bosnia and Herzegovina); Cifrek, Mario; Koruga, Dragan
Source: *IEEE EuroCon 2013*, p 564-568, 2013, *IEEE EuroCon 2013*

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74. Evaluation of augmented RIC model of child respiratory impedance based on impulse oscillometry data

Rajagiri, A. (Department of Engineering, Texas Christian University, Fort Worth, TX 76129, United States); Diong, B.
Source: *2006 IEEE Region 5 Conference*, p 291-295, 2006, *2006 IEEE Region 5 Conference*

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75. High-resolution dynamic MR imaging of the thorax for respiratory motion correction of PET using groupwise manifold alignment

Baumgartner, Christian F. (Division of Imaging Sciences and Biomedical Engineering, King's College London, London, United Kingdom); Kolbitsch, Christoph; Balfour, Daniel R.; Marsden, Paul K.; McClelland, Jamie R.; Rueckert, Daniel; King, Andrew P.
Source: *Medical Image Analysis*, v 18, n 7, p 939-952, October 2014

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76. Analysis of impulse oscillometric measures of lung function and respiratory system model parameters in small airway-impaired and healthy children over a 2-year period (Open Access)

Meraz, Erika G. (Department of Electrical and Computer Engineering, The University of Texas at El Paso, El Paso, TX, United States); Nazeran, Homer; Ramos, Carlos D.; Nava, Pat; Diong, Bill; Goldman, Michael D. **Source:** *BioMedical Engineering Online*, v 10, March 25, 2011

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77. A statistical analysis of external respiratory motion using Microsoft Kinect

Tahavori, Fatemeh (CVSSP, FEPS, University of Surrey, Guildford; GU2 7XH, United Kingdom); Rahni, Ashrani Aizzuddin Abd; Wells, Kevin **Source:** *2014 IEEE Nuclear Science Symposium and Medical Imaging Conference, NSS/MIC 2014*, March 10, 2016, *2014 IEEE Nuclear Science Symposium and Medical Imaging Conference, NSS/MIC 2014*

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78. Research on respiratory motion correction method based on liver contrast-enhanced ultrasound images of single mode

Zhang, Ji (Department of Medicine Engineering, Wuhan General Hospital of Guangzhou Command, Wuluo Road 627, Wuhan; 430070, China); Li, Tao; Zheng, Shiqiang; Li, Yiyong **Source:** *Progress in Biomedical Optics and Imaging - Proceedings of SPIE*, v 9419, 2015

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79. Estimation and correction of irregular respiratory motion of the heart in presence of partial angle effects due to amplitude binning in SPECT

Dey, Joyoni (Division of Nuclear Medicine, Department of Radiology, University of Massachusetts Medical School, Worcester, MA, United States); Segars, William P.; Pretorius, P. Hendrik; King, Michael A. **Source:** *IEEE Nuclear Science Symposium Conference Record*, p 3656-3662, 2008, *2008 IEEE Nuclear Science Symposium Conference Record, NSS/MIC 2008*

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Dey, Joyoni (Department of Radiology, University of Massachusetts Medical School, Worcester, MA 01655, United States); King, Michael A. **Source:** *IEEE Nuclear Science Symposium Conference Record*, p 2356-2358, 2010, *IEEE Nuclear Science Symposium and Medical Imaging Conference, NSS/MIC 2010*

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81. Rapid breath analysis for acute respiratory distress syndrome diagnostics using a portable two-dimensional gas chromatography device

Zhou, Menglian (Department of Biomedical Engineering, University of Michigan, 1101 Beal Ave, Ann Arbor; MI; 48109, United States); Sharma, Ruchi; Zhu, Hongbo; Li, Ziqi; Li, Jiliang; Wang, Shiyu; Bisco, Erin; Massey, Justin; Pennington, Amanda; Sjoding, Michael; Dickson, Robert P.; Park, Pauline; Hyzy, Robert; Napolitano, Lena; Gillies, Christopher E.; Ward, Kevin R.; Fan, Xudong **Source:** *Analytical and Bioanalytical Chemistry*, v 411, n 24, p 6435-6447, September 1, 2019

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Abbott, Alison **Source:** *Nature*, v 423, n 6936, p 114, May 8, 2003

Database: Chimica

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83. The Influence of Disease Irritants in Aerosol Form. Etiology, Epidemiology, and Laboratory Diagnosis of Some Acute Virus Diseases in the Respiratory Tract

Husmann, K. H. (Army Biological Labs Frederick MD) **Report:** TRANS-787, 13p, May 1963

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84. Sleep apnoea diagnosis using respiratory effort-based signals - A comparative study

Sadr, Nadi (Sleep Research Group, Charles Perkins Centre, School of Electrical and Information Engineering, University of Sydney, NSW; 2006, Australia); Jayawardhana, Madhuka; De Chazal, Philip **Source:** *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS*, p 1551-1554, September 13, 2017, *2017 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society: Smarter Technology for a Healthier World, EMBC 2017 - Proceedings*

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85. NEW RELIABLE METHOD FOR AUTOMATIC DIAGNOSIS OF RESPIRATORY DISEASES.

Saxena, S.C.; Zachariah, J. **Source:** *Journal of the Institution of Engineers (India), Part I: Interdisciplinary & General Engineering*, v 62, n pt 3, p 49-54, Jun 1981

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Saxena, S.C.; Zachariah, J. **Source:** *Journal of the Institution of Engineers (India), Part I: Interdisciplinary & General Engineering*, v 62, n pt 3, p 49-54, Jun 1981

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87. A study of IOS data using two Mead-related models of respiratory impedance

Nguyen, T.-U.; Diong, B.; Nazeran, H.; Goldman, M. **Source:** *Proceedings of the 29th Annual International Conference of the IEEE EMBS*, p 1078-81, 2007

Database: Inspec

Copyright 2008, The Institution of Engineering and Technology

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88. A microcontroller based system for controlling patient respiratory guidelines

Morales, L. (Dept. de Lenguajes y Sist. Informaticos, Univ. de Sevilla, Seville, Spain); Domínguez Morales, M.; Jiméñez-Ramírez, A.; Escalona, M.J. **Source:** *Bioinformatics and Biomedical Engineering. 5th International Work-Conference, IWBBIO 2017. Proceedings: LNB 10209*, p 631-41, 2017

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89. In vitro diagnosis and analysis of the potential effects of carbon nanotube exposure on the human respiratory system

Bowen, E. (Utah State Univ., Logan, UT, United States); Purser, F.; Young-Bin Park; Joon Sang Lee; Soonjo Kwon **Source:** *Nanotechnology 2008: Life Sciences, Medicine, and Bio Materials. Technical Proceedings of the 2008 NSTI Nanotechnology Conference and Trade Show*, p 157-60, 2008

Database: Inspec

Copyright 2010, The Institution of Engineering and Technology

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90. Asymmetry performance of the respiratory muscles

Ratnovsky, A. (Department of Biomedical Engineering, Faculty of Engineering, Tel Aviv University, Tel Aviv 69978, Israel); Elad, D.; Zaretsky, U.; Shiner, R.J. **Source:** *Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings*, v 4, p 2966-2967, 2000

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91. A least squares based parameter identification of the Mesic respiratory system model

Liu, Ya-Jie (Kunming Medical University (Tumor Hospital of Yunnan Province), Kunming Yunnan 650118, China); Feng, Ji-Hua; Shi, Xin-Ling; Chen, Jian-Hua **Source:** *3rd International Conference on Bioinformatics and Biomedical Engineering, iCBBE 2009, 2009, 3rd International Conference on Bioinformatics and Biomedical Engineering, iCBBE 2009*

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92. Sensitive method for the determination of pulmonary surfactant phospholipid/sphingomyelin ratio in human amniotic fluids for the diagnosis of respiratory distress syndrome by thin-layer chromatography-immunostaining

Iwamori, M. (Department of Biochemistry, Faculty of Medicine, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113, Japan); Hirota, K.; Utsuki, T.; Momoeda, K.; Ono, K.; Tsuchida, Y.; Okumura, K.; Hanaoka, K. **Source:** *Analytical Biochemistry*, v 238, n 1, p 29-33, 1996

Database: Chimica

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93. Developing an App to Interpret Chest X-rays to Support the Diagnosis of Respiratory Pathology with Artificial Intelligence [arXiv]

Elkins, A. (Brighton & Sussex Univ. Hosp. NHS Trust, Brighton, United Kingdom); Freitas, F.F.; Sanz, V. **Source:** *arXiv*, p 28 pp., 26 June 2019

Database: Inspec

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94. Fiber Bragg Grating Respiratory Measurement Device

Pant, Shweta (Department of Instrumentation and Applied Physics, Indian Institute of Science, Bangalore; 560012, India); Umesh, Sharath; Asokan, Sundarajan **Source:** *MeMeA 2018 - 2018 IEEE International Symposium on Medical Measurements and Applications, Proceedings*, August 16, 2018, *MeMeA 2018 - 2018 IEEE International Symposium on Medical Measurements and Applications, Proceedings*

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95. A study of IOS data using the aRIC+Ip model of respiratory impedance

Nguyen, T.-U. (Department of Engineering, Texas Christian University, Fort Worth, TX 76129, United States); Diong, B.; Goldman, M. **Source:** *Proceedings of the 31st Annual International Conference of the IEEE Engineering in Medicine and Biology Society: Engineering the Future of Biomedicine, EMBC 2009*, p 2875-2878, 2009, *Proceedings of the 31st Annual International Conference of the IEEE Engineering in Medicine and Biology Society: Engineering the Future of Biomedicine, EMBC 2009*

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Kaye, J. (Center for Human Modeling and Simulation, Department of Computer and Information Science, University of Pennsylvania, Philadelphia, PA 19104-6389, United States); Metaxas, D.; Badler, N.; Clarke, J.; Webber, B. **Source:** *Studies in Health Technology and Informatics*, v 29, p 580-589, 1996

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97. Diagnostic performance of the Forced Oscillation Technique in the detection of early respiratory changes in Rheumatoid Arthritis

Faria, A.C.D. (Biomedical Instrumentation Laboratory, Institute of Biology Roberto Alcantara Gomes, State University of Rio de Janeiro, Brazil); Lopes, A.J.; Jansen, J.M.; Pinheiro, G.R.C.; Melo, P.L. **Source:** *2010 Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC'10*, p 6034-6037, 2010, *2010 Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC'10*

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Saatçi, Esra (Department of Electronic Engineering, Istanbul Kultur University, Bakirkoy, Istanbul, Turkey); Akan, Aydin **Source:** *Proceedings of the 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS'08 - "Personalized Healthcare through Technology"*, p 307-310, 2008, *Proceedings of the 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS'08*

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99. Non-invasive Diagnosis of Sleep Apnoea Using ECG and Respiratory Bands

Sadr, Nadi (University of Sydney, Charles Perkins Centre, Faculty of Engineering, NSW, Australia); De Chazal, Philip
Source: *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS*, p 1609-1612, July 2019, *2019 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2019*

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100. A new technique designed for the evaluating respiratory function

Zhuravlev, V.F. (Vita-DP, Moscow, Russia); Zhuravleva, N.V. **Source:** *Meditsinskaya Tekhnika*, n 4, p 18-22, 2003

Language: Russian

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101. Respiratory sarcoidosis: epidemiology, pathology, classification, X-ray diagnosis

Dmitrieva, L.I. (TsNII Tuberkuleza RAMN, Moscow, Russia); Stepanyan, I.E. **Source:** *Vestnik Rentgenologii i Radiologii*, n 4, p 33-39, July-Aug 1998 **Language:** Russian

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Toaff-Rosenstein, Rachel L. (Center for Animal Welfare, Department of Animal Science, University of California-Davis, 1 Shields Ave, Davis; CA; 95616, United States); Tucker, Cassandra B. **Source:** *Applied Animal Behaviour Science*, v 201, p 85-92, April 2018

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103. Neural networks for decision making related to asthma diagnosis and other respiratory disorders

Lane, V.P. (Bus. Sch., South Bank Univ., London, United Kingdom); Lane, D.; Littlejohns, P. **Source:** *Current Perspectives in Healthcare Computing Conference*, p 85-93, 1996

Database: Inspec

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Swift, D.L. **Source:** *Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings*, p 127, 1983

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McIntosh, K. (Children's Hospital Medical Center, Boston, MA.) **Sponsor:** National Inst. of Allergy and Infectious Diseases, Bethesda, MD., 12p, Feb 1984

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106. Development and Characterization of Carbonic Anhydrase-Based CO₂ Biosensor for Primary Diagnosis of Respiratory Health

Bagchi, Surajit (Heritage Institute of Technology, Kolkata; 700107, India); Sengupta, Subhabrata; Mondal, Sanjoy

Source: *IEEE Sensors Journal*, v 17, n 5, p 1384-1390, March 1, 2017

Database: Compendex

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(National Cancer Inst., Bethesda, MD. International Cancer Research Data Bank.) **Report:** NCI/ICRDB/SL-218, 42p, Apr 1979

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108. Clinical evaluation of a novel and simple-to-use molecular platform for diagnosis of respiratory syncytial virus

Liikonen, Karoliina (Research and Development, Orion Diagnostica Oy, Espoo, Finland); Ojalehto, Tuomas; Elf, Sonja; Mäki, Minna; Matero, Pirjo; Eboigbodin, Kevin E. **Source:** *Analytical Biochemistry*, v 551, p 4-6, 15 June 2018

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109. Analysis of cough sounds for diagnosis of respiratory infections in intensive pig farming

Ferrari, Sara (Faculty of Veterinary Medicine, Department of Veterinarian Sciences and Technologies for Food Safety, University of Milan, Milan, Italy); Silva, Mitchell; Guarino, Marcella; Berckmans, Daniel **Source:** *Transactions of the ASABE*, v 51, n 3, p 1051-1055, May/June 2008

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110. A Markovian decision model for clinical diagnosis and treatment applied to the respiratory system

Gheorghe, A.V. (Dept. of Systems Sci., City Univ., London, London, United Kingdom); Ball, H.N.; Carson, E.R.

Source: *IEEE Transactions on Systems, Man and Cybernetics*, v SMC-6, n 9, p 595-605, Sept. 1976

Database: Inspec

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111. Separating heart sounds from lung sounds: accurate diagnosis of respiratory disease depends on understanding noises

Gnitecki, J. (Dept. of Electr. Eng., Manitoba Univ., Winnipeg, Man., Canada); Moussavi, Z.M.K. **Source:** *IEEE Engineering in Medicine and Biology Magazine*, v 26, n 1, p 20-9, Jan.-Feb. 2007

Database: Inspec

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112. Altachem Pharma Ltd receives positive results for testing Bionex against the coronavirus and poliovirus.

Publication date: 24 Jul 2003 **Availability:** Altachem Pharma Ltd, 17215, 108 Avenue, NW Edmonton, AB T5S 1G2, Canada, Tel: +1 780 448 1400, Fax: +1 780 416 0324, E-mail: altachempharma@altachempharma.com, Website: <http://www.altachempharma.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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113. Meridian Bioscience supports diagnostic companies in fighting coronavirus pandemic by providing zero cost proprietary technology for evaluation.

Source: *globenewswire*, 16 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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114. Generex provides coronavirus update: Generex receives contract from Chinese partners to develop a COVID-19 vaccine using li-Key peptide vaccines.

Source: *globenewswire*, 27 Feb 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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115. Coronavirus (COVID-19)-focused joint venture formed between Emerald Organic and Todos Medical to supply US market with rapid point-of-care screening and confirmatory testing kits.

Source: *PR Newswire*, 24 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

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116. Todos Medical and 3DMed enter into coronavirus (COVID-19) and influenza A/B testing kit distribution agreement in US and Israel.

Source: *globenewswire*, 17 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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117. Roche's cobas SARS-CoV-2 Test to detect novel coronavirus receives FDA Emergency Use Authorization and is available in markets accepting the CE mark.

Source: *Chemical Business News Base (CBNB)*, 13 Mar 2020 **Availability:** Roche, website: <http://www.roche.com/index.htm>

Database: CBNB

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118. Roche's cobas SARS-CoV-2 Test to detect novel coronavirus receives FDA Emergency Use Authorization and is available in markets accepting the CE mark.

Source: *globenewswire*, 13 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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119. Several drugmakers are racing to create and test a vaccine for China's deadly coronavirus: Fate Therapeutics Inc.

Source: *PR Newswire*, 29 Jan 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

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120. CNS Pharmaceuticals announces independent university research confirms active compound in WP1122 completely prevents coronavirus replication in vitro; WP1122 is subject to development agreement with WPD Pharmaceuticals.

Source: *PR Newswire*, 13 Apr 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

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121. O-glycosylation of the coronavirus M protein: Differential localization of sialyltransferases in N- and O-linked glycosylation

Locker, Jacomine Krijnse (Institute of Virology, Faculty of Veterinary Medicine, State University, Utrecht, Netherlands); Griffiths, Gareth; Horzinek, Marian C.; Rottier, Peter J. M. **Source:** *Journal of Biological Chemistry*, v 267, n 20, p 14094-14101, Jul 15 1992

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Izeta, A. (Department of Molecular and Cell Biology, Centra Nacional de Biotecnología, Campus Universidad Autónoma, Canto Blanco 28049 Madrid, Spain); Sanchez, C.M.; Smerdou, C.; Mendez, A.; Alonso, S.; Balasch, M.; Plana-Durán, J.; Enjuanes, L. **Source:** *Advances in Experimental Medicine and Biology*, v 440, p 207-214, 1998

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Na, Wonhwi (Department of Micro/Nano Systems, Korea University, Seoul; 02841, Korea, Republic of); Nam, Dongwoo; Lee, Hoyoon; Shin, Sehyun **Source:** *Biosensors and Bioelectronics*, v 108, p 9-13, June 15, 2018

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Glushakova, Lyudmyla G. (Firebird Biomolecular Sciences, Alachua; FL, United States); Sharma, Nidhi; Hoshika, Shuichi; Bradley, Andrea C.; Bradley, Kevin M.; Yang, Zunyi; Benner, Steven A. **Source:** *Analytical Biochemistry*, v 489, p 62-72, November 15, 2015

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Shi, Lei (Guangdong Province Key Laboratory of Molecular Immunology and Antibody Engineering, Antibody Engineering Center, Jinan University, Guangzhou; 510632, China); Sun, Qiuxiang; He, Jian'an; Xu, Hua; Liu, Chunxiao; Zhao, Chunzhong; Xu, Yunqing; Wu, Changlin; Xiang, Junjian; Gu, Dayong; Long, Jun; Lan, Hekui **Source:** *Bio-Medical Materials and Engineering*, v 26, p S2207-S2216, 2015

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Lei Shi (Guangdong Province Key Lab. of Mol. Immunology & Antibody Eng., Jinan Univ., Guangzhou, China); Qiuxiang Sun; Jian'an He; Hua Xu; Chunxiao Liu; Chunzhong Zhao; Yunqing Xu; Changlin Wu; Junjian Xiang; Dayong Gu; Jun Long; Hekui Lan **Source:** *Bio-Medical Materials and Engineering*, v 26, suppl.1, p S2207-16, 2015

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Hanh Nguyen, Thi Thanh (School of Biological Sciences and Technology, Research Institute for Catalysis, Chonnam National University, Gwangju, Korea, Republic of); Ryu, Hwa-Ja; Lee, Se-Hoon; Hwang, Soonwook; Breton, Vincent; Rhee, Joon Haeng; Kim, Doman **Source:** *Bioorganic and Medicinal Chemistry Letters*, v 21, n 10, p 3088-3091, May 15, 2011

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Shah, Parag P. (Department of Chemical and Biomolecular Engineering, Institute for Medicine and Engineering, University of Pennsylvania, Philadelphia, PA, United States); Wang, Tianhua; Kaletsky, Rachel L.; Myers, Michael C.; Purvis, Jeremy E.; Jing, Huiyan; Hurn, Donna M.; Greenbaum, Doron C.; Smith III, Amos B.; Bates, Paul; Diamond, Scott L. **Source:** *Molecular Pharmacology*, v 78, n 2, p 319-324, August 2010

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Leong, Hoe-Nam (Department of Infectious Diseases, Tan Tock Seng Hospital, Singapore); Ang, Brenda; Earnest, Arul; Teoh, Cindy; Xu, Wei; Leo, Yee-Sin **Source:** *Tropical Medicine and International Health*, v 9, n 8, p 923-927, August 2004

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130. Respiratory disease diagnosis using lung sounds

Kahya, Yasemin P. (Bogazici Univ, Istanbul, Turkey); Guler, E.Cagatay; Sahin, Serdar **Source:** *Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings*, v 5, p 2051-2053, 1997

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Yip, Timothy T.C. (Department of Clinical Oncology, Queen Elizabeth Hospital, Hong Kong, Hong Kong); Chan, Johnny W.M.; Cho, William C.S.; Yip, Tai-Tung; Wang, Zheng; Kwan, Ting-Lok; Law, Stephen C.K.; Tsang, Dominic N.C.; Chan, John K.C.; Lee, King-Chung; Cheng, Wai-Wai; Ma, Victor W.S.; Yip, Christine; Lim, Cadmon K.P.; Ngan, Roger K.C.; Au, Joseph S.K.; Chan, Angel; Lim, Wilina W.L. **Source:** *Clinical Chemistry*, v 51, n 1, p 47-55, January 2005

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Buddaert, W. (Laboratory of Veterinary Virology, Faculty of Veterinary Medicine, University of Gent, Salisburylaan 133, B-9820 Merelbeke, Belgium); Van Reeth, K.; Pensaert, M. **Source:** *Advances in Experimental Medicine and Biology*, v 440, p 461-467, 1998

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Kosarev, V.V. (Samarskij Gos. Meditsinskij Univ., Samara, Russia); Mokina, N.A. **Source:** *Meditsina Truda i Promyshlennaya Ekologiya*, n 6, p 13-17, 2004 **Language:** Russian

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Jain, Rajendra P. (Department of Chemistry, University of Alberta, Edmonton, Alta. T6G 2G2, Canada); Pettersson, Hanna I.; Zhang, Jianmin; Aull, Katherine D.; Fortin, Pascal D.; Huitema, Carly; Eltis, Lindsay D.; Parrish, Jonathan C.; James, Michael N. G.; Wishart, David S.; Vederas, John C. **Source:** *Journal of Medicinal Chemistry*, v 47, n 25, p 6113-6116, December 2, 2004

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Darooei, R. (Dept. of Electr. & Comput. Eng., Tarbiat Modares Univ., Tehran, Iran); Mahloojifar, A.; Raoufy, M.R. **Source:** *2015 22nd Iranian Conference on Biomedical Engineering (ICBME)*, p 216-20, 2015

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Zaglam, Nesrine (Sainte-Justine Hospital Research Center, Montreal, QC H3T 1C5, Canada); Jouvet, Philippe; Flechelles, Olivier; Emeriaud, Guillaume; Cheriet, Farida **Source:** *Computers in Biology and Medicine*, v 52, p 41-48, September 1, 2014

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Ozhiganova, V.N. (Inst Meditsiny Truda RAMN, Moscow, Russia); Pankova, V.B.; Milishnikova, V.V.; Gladkova, E.V.; Nikitina, L.S.; Lobanova, E.A.; Polyakova, I.N. **Source:** *Meditsina Truda I Promyshlennaya Ekologiya*, n 2, p 23-29, Feb 1993 **Language:** Russian

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Blanco, Kate C. (São Carlos Institute of Physics, University of São Paulo, São Carlos; SP; 13566-590, Brazil); Inada, Natalia M.; Kurachi, Cristina; Bagnato, Vanderlei S. **Source:** *Progress in Biomedical Optics and Imaging - Proceedings of SPIE*, v 9531, 2015, *Biophotonics South America*

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Sadr, N. (Charles Perkins Centre, Univ. of Sydney, Sydney, NSW, Australia); de Chazal, P. **Source:** *2019 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, p 1609-12, 2019

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Subiyanto (Dept. of Electr. Eng., Univ. Negeri Semarang, Semarang, Indonesia); Mulwinda, A.; Andriani, D. **Source:** *2017 3rd International Conference on Science in Information Technology (ICSITech). Proceedings*, p 558-62, 2017

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Kahya, Y.P. (Dept. of Electr. Eng., Bogazici Univ., Istanbul, Turkey); Guler, E.C.; Sahin, S. **Source:** *Proceedings of the 19th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. 'Magnificent Milestones and Emerging Opportunities in Medical Engineering' (Cat. No.97CH36136)*, p 2051-3 vol.5, 1997

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Charalampous, Themoula (Bob Champion Research and Educational Building, University of East Anglia, Norwich Research Park, Norwich, United Kingdom); Kay, Gemma L.; Richardson, Hollian; Aydin, Alp; Baldan, Rossella; Jeanes, Christopher; Rae, Duncan; Grundy, Sara; Turner, Daniel J.; Wain, John; Leggett, Richard M.; Livermore, David M.; O'Grady, Justin **Source:** *Nature Biotechnology*, v 37, n 7, p 783-792, July 1, 2019

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Zhang, Han-Zhong (Maxim Pharmaceuticals, 6650 Nancy Ridge Drive, San Diego, CA 92121, United States); Zhang, Hong; Kemnitzer, William; Tseng, Ben; Cinatl Jr., Jindrich; Michaelis, Martin; Doerr, Hans Wilhelm; Cai, Sui Xiong **Source:** *Journal of Medicinal Chemistry*, v 49, n 3, p 1198-1201, February 9, 2006

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Mazzulli, Tony (Department of Microbiology, Mount Sinai Hospital, University of Toronto, Toronto, Ont., Canada); Low, Donald E.; Poutanen, Susan M. **Source:** *Clinical Chemistry*, v 51, n 1, p 6-7, January 2005

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Saacutenchez, C. (Inst. of Phys. Technol. & Inf., Madrid, Spain); Santos, J.P.; Lozano, J. **Source:** *Biosensors*, v 9, n 1, p 35 (20 pp.), March 2019

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Farley, R.D. (Dept. of Respiratory Med., Western Infirmary, Glasgow, United Kingdom); Patel, K.R. **Source:** *Proceedings of the Institution of Mechanical Engineers, Part H (Journal of Engineering in Medicine)*, v 203, n H1, p 43-8, 1989

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Ping Gong (Biomed. Eng. Center, Hunan Univ., Changsha, China); Xiaoxiao He; Kemin Wang; Weihong Tan; Wengang Xie; Ping Wu; Huimin Li **Source:** *Journal of Nanoscience and Nanotechnology*, v 8, n 1, p 293-300, Jan. 2008

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Shao-Ting Tseng (Dept. of Electr. Eng., Nat. Tsing Hua Univ., Hsinchu, Taiwan); Yu-Hsien Kao; Chun-Chieh Peng; Jinn-Yann Liu; Shao-Chang Chu; Guo-Feng Hong; Chi-Hsuan Hsieh; Kung-Tuo Hsu; Wen-Te Liu; Yuan-Hao Huang; Shi-Yu Huang; Ta-Shun Chu **Source:** *IEEE Transactions on Microwave Theory and Techniques*, v 64, n 4, p 1029-41, April 2016

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Osterhaus, A.D.M.E. (Institute of Virology, Erasmus University Rotterdam, Dr Molewaterplein 50, 3015 GE Rotterdam, Netherlands); Fouchier, R.A.M.; Kuiken, T. **Source:** *Philosophical Transactions of the Royal Society of London Series B Biological Sciences*, v 359, n 1447, p 1081-1082, July 29, 2004

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Sadr, N. (Sleep Res. Group, Univ. of Sydney, Sydney, NSW, Australia); Jayawardhana, M.; de Chazal, P. **Source:** *2017 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, p 1551-4, 2017

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Ulukaya, S. (Elektrik-Elektron. Muhendisligi, Bogazici Univ., Istanbul, Turkey); Kahya, Y.P. **Source:** *2014 18th National Biomedical Engineering Meeting (BIYOMUT). Proceedings*, p 4 pp., 2014 **Language:** Turkish

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Sancho, Alexandre G. (Biomedical Instrumentation Laboratory, Institute of Biology and Faculty of Engineering, State University of Rio de Janeiro, Rio de Janeiro, Brazil); Faria, Alvaro C. D.; Amaral, Jorge L. M.; Lopes, Agnaldo J.; Melo, Pedro L. **Source:** *IFMBE Proceedings*, v 70, n 1, p 45-50, 2019

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Ali, S. Harris (Faculty of Environmental Studies, York University, 4700 Keele Street, Toronto, Ont. M3J 1P3, Canada); Keil, Roger **Source:** *Urban Studies*, v 43, n 3, p 491-509, March 2006

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Kurdia, H. (Computizer Sci. Dept., KSU, Riyadh, Saudi Arabia); AlMansour, N. **Source:** *2017 Intelligent Systems Conference (IntelliSys)*, p 430-5, 2017

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Subiyanto (Department of Electrical Engineering, Universitas Negeri Semarang, Semarang, Indonesia); Mulwinda, Anggraini; Andriani, Dwi **Source:** *Proceeding - 2017 3rd International Conference on Science in Information Technology: Theory and Application of IT for Education, Industry and Society in Big Data Era, ICSITech 2017*, v 2018-January, p 558-562, July 1, 2017, *Proceeding - 2017 3rd International Conference on Science in Information Technology: Theory and Application of IT for Education, Industry and Society in Big Data Era, ICSITech 2017*

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157. Fluorescence diagnosis of upper respiratory tract infections

Blanco, K.C. (Sao Carlos Inst. of Phys., Univ. of Sao Paulo, Saõ Carlos, Brazil); Inada, N.M.; Kurachi, C.; Bagnato, V.S. **Source:** *Proceedings of the SPIE - Progress in Biomedical Optics and Imaging*, v 9531, p 953137 (6 pp.), 2015

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Hernando, D. (BSICoS group, I3A, IIS Aragón, University of Zaragoza, Zaragoza, Spain); Kähönen, M.; Lázaro, J.; Lehtinen, R.; Nieminen, T.; Nikus, K.; Lehtimäki, T.; Bailón, R.; Viik, J. **Source:** *IFMBE Proceedings*, v 65, p 270-273, 2017, *EMBECE and NBC 2017 - Joint Conference of the European Medical and Biological Engineering Conference EMBECE 2017 and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics, NBC 2017*

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Park, Tae Jung (Department of Chemical and Biomolecular Engineering (BK21 Program), BioProcess Engineering Research Center, Korea Advanced Institute of Science and Technology (KAIST), Daejeon 305-701, Korea, Republic of); Lee, Sang Yup; Lee, Seok Jae; Park, Jong Pil; Yang, Kwang Suk; Lee, Kyung-Bok; Ko, Sungho; Park, Jong Bae; Kim, Taekeun; Kim, Seong Kyu; Shin, Yong Bum; Chung, Bong Hyun; Ku, Su-Jin; Kim, Do Hyun; Choi, Insung S. **Source:** *Analytical Chemistry*, v 78, n 20, p 7197-7205, October 15, 2006

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Vossoughi, J. (ESRA, Olney, MD, United States); Johnson, A.; Gallena, S.; Wei Tian **Source:** *2011 37th Annual Northeast Bioengineering Conference (NEBEC 2011)*, p 2 pp., 2011

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Badnjevic, A. (New Technol. Ltd. Sarajevo, Sarajevo, Bosnia-herzegovina); Cifrek, M.; Koruga, D. **Source:** *IEEE EUROCON 2013*, p 564-8, 2013

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Syaukani, M. (Dept. of Comput. Sci. & Electron., Univ. Gadjah Mada, Yogyakarta, Indonesia); Hartati, S.; Kusnanto, H.; Guritno, S. **Source:** *Journal of Theoretical and Applied Information Technology*, v 95, n 11, p 2544-51, 15 June 2017

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Kahya, Y.P. (Dept. of Electr. and Electron. Eng., Bogazici Univ., Istanbul, Turkey); Çini, U.; Cerid, Ö. **Source:** *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS*, v 4, p 3098-3101, 2003, *Proceedings of the 25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society: A New Beginning for Human Health, EMBS 2003*

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Vuppalapati, C. (Hanumayamma Innovations & Technol., Inc., Fremont, CA, United States); Vuppalapati, R.; Kedari, S.; Ilapakurti, A.; Ramalingam, A.; Vuppalapati, J.S.; Kedari, S. **Source:** *2018 International Conference on Machine Learning and Cybernetics (ICMLC)*, p 222-9, 2018

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Desjardins, M.R. (Department of Epidemiology & Spatial Science for Public Health Center, Johns Hopkins Bloomberg School of Public Health, Baltimore; MD; 21205, United States); Hohl, A.; Delmelle, E.M. **Source:** *Applied Geography*, v 118, May 2020

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Uguz, Durmus Umutcan (Medical Information Technology, RWTH Aachen University, Pauwelsstr. 20, Aachen; 52074, Germany); Venema, Boudewijn; Leonhardt, Steffen; Teichmann, Daniel **Source:** *IFMBE Proceedings*, v 68, n 2, p 905-909, 2018

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Liu, Quanjun (State Key Laboratory of Bioelectronics, Southeast University, Nanjing, China); Bai, Yunfei; Ge, Qinyu; Zhou, Shixin; Wen, Tian; Lu, Zuhong **Source:** *Clinical Chemistry*, v 53, n 2, p 188-194, February 2007

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Bagˇci, Ulas (Center for Infectious Diseases Imaging, United States); Yao, Jianhua; Caban, Jesus; Palmore, Tara N.; Suffredini, Anthony F.; Mollura, Daniel J. **Source:** *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS*, p 5096-5099, 2011, *33rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS 2011*

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Lima Junior, N.A. (Biomedical Instrumentation Laboratory, State University of Rio de Janeiro, Institute of Biology and Faculty of Engineering, Rio de Janeiro, Brazil); Queiroz, I.M.; Oliveira, N.V.; Lopes, A.J.; Melo, P.L. **Source:** *IFMBE Proceedings*, v 70, n 1, p 453-458, 2019

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Faridi, Sasan (Centre for Air Pollution Research (CAPR), Institute for Environmental Research (IER), Tehran University of Medical Sciences, Tehran, Iran); Niazi, Sadegh; Sadeghi, Kaveh; Naddafi, Kazem; Yavarian, Jila; Shamsipour, Mansour; Jandaghi, Nazanin Zahra Shafiei; Sadeghniai, Khosro; Nabizadeh, Ramin; Yunesian, Masud; Momeniha, Fatemeh; Mokamel, Adel; Hassanvand, Mohammad Sadegh; MokhtariAzad, Talat **Source:** *Science of the Total Environment*, v 725, 10 July 2020

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Ferrari, Sara (Faculty of Veterinary Medicine, Department of Veterinarian Sciences and Technologies for Food Safety, University of Milan, Milan, Italy); Silva, Mitchell; Guarino, Marcella; Berckmans, Daniel **Source:** *Transactions of the ASABE*, v 51, n 3, p 1051-1055, May/June 2008

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Liu, Rui (Dept. of Clinical Laboratory, Renmin Hospital of Wuhan University, Wuhan 430060; Hubei, China); Han, Huan; Liu, Fang; Lv, Zhihua; Wu, Kailang; Liu, Yingle; Feng, Yong; Zhu, Chengliang **Source:** *Clinica Chimica Acta*, v 505, p 172-175, June 2020

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Lei Gao (Coll. of Inf. Sci. & Technol., DongHua Univ., Shanghai, Shanghai, China); Yongsheng Ding; Hua Dai; Zhende Huang; Shihuang Shao **Source:** *Proceedings. Third International Conference on Image and Graphics*, p 226-9, 2004

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Uskov, A.A. (Russian Univ. of Cooperation, Mytishchi, Russia); Shipilov, M.V. **Source:** *Neurocomputers: Development and Application*, n 4, p 30-7, 2012 **Language:** Russian

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Cole, F. S.; Hamvas, A.; Trusgnich, M.; Noguee, L. M. (Mayer, Brown, Rowe & Maw, LLP., Chicago, IL.) **Sponsor:** National Heart, Lung, and Blood Inst., Bethesda, MD. **Report:** PAT-APPL-10-927-426, 12p, Aug 2004

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Voronov, M.V. **Source:** *Cybernetics and Computing Technology*, n 114, p 54-7, 1998

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Abramov, G.V. (Voronezh State Univ., Voronezh, Russia); Korobova, L.A.; Ivashin, A.L.; Matytsina, I.A. **Source:** *Journal of Physics: Conference Series*, v 1015, p 042036 (6 pp.), 2018

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Vellingiri, Balachandar (Human Molecular Cytogenetics and Stem Cell Laboratory, Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore; Tamil Nadu; 641 046, India); Jayaramayya, Kaavya; Iyer, Mahalaxmi; Narayanasamy, Arul; Govindasamy, Vivekanandhan; Giridharan, Bupesh; Ganesan, Singaravelu; Venugopal, Anila; Venkatesan, Dhivya; Ganesan, Harsha; Rajagopalan, Kamarajan; Rahman, Pattanathu K.S.M.; Cho, Ssang-Goo; Kumar, Nachimuthu Senthil; Subramaniam, Mohana Devi **Source:** *Science of the Total Environment*, v 725, 10 July 2020

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179. An improved method of early diagnosis of smoking-induced respiratory changes using machine learning algorithms

Amaral, J.L.M. (Dept. of Electron. & Telecommun. Eng., State Univ. of Rio de Janeiro, Rio de Janeiro, Brazil); Lopes, A.J.; Jansen, J.M.; Faria, A.C.D.; Melo, P.L. **Source:** *Computer Methods and Programs in Biomedicine*, v 112, n 3, p 441-54, Dec. 2013

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Bagchi, S. (Heritage Inst. of Technol., Kolkata, India); SenGupta, S.; Mondal, S. **Source:** *IEEE Sensors Journal*, v 17, n 5, p 1384-90, 1 March 2017

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Bowen, Emily (Utah State University, Logan, UT, United States); Purser, Forrest; Park, Young-Bin; Lee, Joon Sang; Kwon, Soonjo **Source:** *Technical Proceedings of the 2008 NSTI Nanotechnology Conference and Trade Show, NSTI-Nanotech, Nanotechnology 2008*, v 2, p 157-160, 2008, *Technical Proceedings of the 2008 NSTI Nanotechnology Conference and Trade Show, NSTI-Nanotech, Nanotechnology 2008*

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Darooei, Reza (Tarbiat Modares University, Department of Electrical and Computer Engineering, Tehran, Iran); Mahloojifar, Ali; Raoufy, Mohammad Reza **Source:** *2015 22nd Iranian Conference on Biomedical Engineering, ICBME 2015*, p 216-220, February 9, 2016, *2015 22nd Iranian Conference on Biomedical Engineering, ICBME 2015*

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Winkler, Stephan M. (Upper Austria University of Applied Sciences, Department of Bioinformatics, Softwarepark 11, 4232 Hagenberg, Austria); Affenzeller, Michael; Jacak, Witold; Stekel, Herbert **Source:** *Genetic and Evolutionary Computation Conference, GECCO'11 - Companion Publication*, p 503-510, 2011, *Genetic and Evolutionary Computation Conference, GECCO'11 - Companion Publication*

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Dea, S. (Centre de Recherche en Virologie, Institut Armand Frappier, Université du Québec, Laval, Que. H7V 4Z3, Canada); Sawyer, N.; Alain, R.; Athanassious, R. **Source:** *Advances in Experimental Medicine and Biology*, v 380, p 95-98, 1995

Database: Chimica

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Lewandowicz-Uszynska, A. (Children Immunology Clinic, Univ. of Medicine Wroclaw, Poland); Jankowski, A. **Source:** *Proceedings of the SPIE - The International Society for Optical Engineering*, v 4515, p 91-6, 2001

Database: Inspec

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Ng, E.Y.K. (Sch. of Mech. & Aersp. Eng., Nanyang Technol. Univ., Singapore, Singapore); Chong, C. **Source:** *Journal of Medical Engineering & Technology*, v 30, n 5, p 330-7, Sept.-Oct. 2006

Database: Inspec

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Molotkov, V.N. (Tuberculosis, Pulmonology & Chest Surgery, Sci. Res. Inst., Kiev, Ukrainian SSR, Ussr); Mintser, O.P.; Yashina, L.A.; Mukhin, A.A.; Cheshel, L.S. **Source:** *Cybernetics and Computing Technology*, n 78, p 58-63, 1988

Database: Inspec

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Palanki, Rohan (Department of Chemical and Biomolecular Engineering, University of South Alabama, Mobile; AL; 36695, United States); Poiroux, Justin; Palanki, Srinivas **Source:** *International Journal Bioautomation*, v 19, n 4, p 521-530, 2015

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Elfiky, Abdo A. (Biophysics Department, Faculty of Sciences, Cairo University, Giza, Egypt) **Source:** *Life Sciences*, v 248, 1 May 2020

Database: Chimica

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Kang, Xixiong (Center for Laboratory Diagnosis, Beijing Tiantan Hospital, Cap. University of Medical Sciences, Beijing, China); Xu, Yang; Wu, Xiaoyi; Liang, Yong; Wang, Chen; Guo, Junhua; Wang, Yajie; Chen, Maohua; Wu, Da; Wang, Youchun; Bi, Shengli; Qiu, Yan; Lu, Peng; Cheng, Jing; Xiao, Bai; Hu, Liangping; Gao, Xing; Liu, Jingzhong; Wang, Yiping; Song, Yingzhao; Zhang, Liqun; Suo, Fengshuang; Chen, Tongyan; Huang, Zeyu; Zhao, Yunzhuan; Lu, Hong; Pan, Chunqin; Tang, Hong **Source:** *Clinical Chemistry*, v 51, n 1, p 56-64, January 2005

Database: Chimica

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Haaheim, H. (Department of Microbiology, University Hospital of Tromsø, Tromsø N-9038, Norway); Vorland, L.; Gutteberg, T.J. **Source:** *Nucleosides, Nucleotides and Nucleic Acids*, v 20, n 4-7, p 1255-1258, 2001

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Kandaswamy, A. (Dept. Electronics and Commun. Eng., PSG College of Technology, Coimbatore - 641 004, India); Sukesh Kumar, A. **Source:** *Modelling, Measurement and Control C*, v 58, n 1, p 39-55, 1998

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Manton, K.G. (Dept. of Community & Family Med., Duke Univ., Durham, NC, United States); Stallard, E. **Source:** *Computers and Biomedical Research*, v 15, n 4, p 342-60, Aug. 1982

Database: Inspec

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(National Cancer Inst., Bethesda, MD. International Cancer Research Data Bank.) **Report:** NCI/ICRDB/SL-318, 29p, Nov 1979

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Ulukaya, Sezer (Elektrik-Elektronik Mühendisli{i, Bo{aziçi Üniversitesi, Turkey); Kahya, Yasemin P.

Source: 2014 18th National Biomedical Engineering Meeting, BIYOMUT 2014, 2014 **Language:** Turkish

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Lewandowicz-Uszyn´ska, A. (Children Immunology Clinic, University of Medicine Wroclaw, ul. Kasprowicza 64/66, 51-137 Wroclaw, Poland); Jankowski, A. **Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 4515, p 91-96, 2000

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Sola, J. (Centre Suisse d'Electron. et de Microtech., Neuchatel, Switzerland); Braun, F.; Muntane, E.; Verjus, C.; Bertschi, M.; Hugon, F.; Manzano, S.; Benissa, M.; Gervaix, A. **Source:** 2016 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), p 283-6, 2016

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Kolesnikova, L. (Inst. fur Virologie der Philipps, Marburg Univ., Germany); Slenczka, W.; Brodt, H.-R.; Klenk, H.-D.; Becker, S. **Source:** *Microscopy and Microanalysis*, v 9, suppl.3, p 438-9, 2003

Database: Inspec

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Zaglam, N. (Ste.-Justine Hosp. Res. Center, Montreal, QC, Canada); Jovet, P.; Flechelles, O.; Emeriaud, G.; Cheriet, F. **Source:** *Computers in Biology and Medicine*, v 52, p 41-8, 1 Sept. 2014

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Source: *BioSpace*, 13 Mar 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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202. Luminex provides updates on critical efforts related to novel coronavirus.

Source: *PR Newswire*, 4 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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203. Pfizer plans to test coronavirus treatment on humans soon.

Source: *Chemie Aktuell*, 9 Apr 2020 **Language:** German **Availability:** Website: <http://www.maerkte-weltweit.de>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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Source: *globenewswire*, 14 Apr 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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Source: *PR Newswire*, 25 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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206. Pharmaceutical company Sanofi offers anti-malaria drug against coronavirus.

Source: *Chemie Aktuell*, 18 Mar 2020 **Language:** German **Availability:** Website: <http://www.maerkte-weltweit.de>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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Source: *Business Line*, v 27, n 82, p 2, 4 Apr 2020 **Availability:** Website: <http://www.thehindubusinessline.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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Source: *BioSpace*, 4 Mar 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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Source: *BioSpace*, 19 Mar 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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210. Information on Lonza operations related to the current coronavirus outbreak.

Source: *Not Available*, 3 Feb 2020 **Availability:** Lonza, website: <http://www.lonza.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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Publication date: 5 Sep 2003 **Availability:** Intradigm Corp, 12115, Parklawn Drive, Suite K, Rockville, MD 20852, USA, Tel: +1 301 984 0185, Fax: +1 301 984 0186, E-mail: info@intradigm.com, Website: <http://www.intradigm.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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212. AnPac Bio files coronavirus detection patent and initiates related research project.

Source: *PR Newswire*, 27 Feb 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

213. Starpharma's SPL7013 shows significant activity against SARS-CoV-2 (coronavirus).

Source: *BioSpace*, 16 Apr 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

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214. Clinical trials of four anti-coronavirus agents started in Europe.

Source: *Chemie Aktuell*, 23 Mar 2020 **Language:** German **Availability:** Website: <http://www.maerkte-weltweit.de>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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215. TempTraq ready to support remote temperature monitoring of coronavirus patients.

Source: *PR Newswire*, 10 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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216. Innovation Pharmaceuticals signs second MTA to explore Brilacidin as coronavirus COVID-19 treatment.

Source: *globenewswire*, 6 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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Prentice, Erik (Dept. of Microbiology and Immunology, Vanderbilt University Medical Center, Nashville, TN 37221, United States); Jerome, W. Gray; Yoshimori, Tamotsu; Mizushima, Noboru; Denison, Mark R. **Source:** *Journal of Biological Chemistry*, v 279, n 11, p 10136-10141, March 12, 2004

Database: Compendex

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Publication date: 15 Jun 2004 **Availability:** Intradigm Corp, 12115, Parklawn Drive, Suite K, Rockville, MD 20852, USA, Tel: +1 301 984 0185, Fax: +1 301 984 0186, E-mail: info@intradigm.com, Website: <http://www.intradigm.com>

Database: CBNB

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219. Maxim Pharmaceuticals discovers potential therapeutic against the SARS coronavirus.

Publication date: 22 Jan 2004 **Availability:** Maxim Pharmaceuticals, 8899, University Center Lane, Suite 400, San Diego, CA 92122, USA, Tel: +1 858 453 4040, Website: <http://www.maxim.com>

Database: CBNB

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220. Cepheid announces development of test for new Coronavirus strain (2019-nCoV).

Source: *PR Newswire*, 10 Feb 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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221. Moderna doses first patient with mRNA-1273 in coronavirus vaccine trial.

Source: *PBR Pharmaceutical Business Review*, 17 Mar 2020 **Availability:** Website: <http://www.pharmaceutical-business-review.com/>

Database: CBNB

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222. Curetis begins offering BGI's CE-IVD rapid test kit for coronavirus in Europe.

Source: *globenewswire*, 16 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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223. Innovation Pharmaceuticals announces testing procedures of Brilacidin against coronavirus (COVID-19).

Source: *globenewswire*, 12 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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224. Co-Diagnostics Inc announces successful initial verification of novel coronavirus test.

Source: *BioSpace*, 31 Jan 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

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225. Medicago, a subsidiary in Canada, is tackling with COVID-19, coronavirus.

Source: *Chemical Business News Base (CBNB)*, 12 Mar 2020 **Availability:** Mitsubishi Tanabe Pharma, website: <http://www.mt-pharma.co.jp/e/index.php>

Database: CBNB

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226. Serum amyloid A is not useful in the diagnosis of severe acute respiratory syndrome [3]

Pang, Ronald T. K. (Centre for Emerging Infectious Diseases, Chinese University of Hong Kong, Prince of Wales Hospital, Shatin, N.T., Hong Kong); Poon, Terence C. W.; Chan, K. C. Allen; Lee, Nelson L. S.; Chiu, Rossa W. K.; Tong, Yu-Kwan; Chim, Stephen S. C.; Sung, Joseph J. Y.; Lo, Y. M. Dennis **Source:** *Clinical Chemistry*, v 52, n 6, p 1202-1204, June 2006

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Source: *globenewswire*, 20 Feb 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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228. Growing number of coronavirus vaccines under development with three in human trials.

Source: *PR Newswire*, 14 Apr 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

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229. Rendu gets NMPA's emergency approval for coronavirus nucleic acid detection system.

Source: *PR Newswire*, 30 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

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230. Biogen terminates employee who fled to China after testing positive for coronavirus.

Source: *BioSpace*, 20 Mar 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

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231. Avellino Labs announces availability of new FDA-recognized genetic test for coronavirus.

Source: *BioSpace*, 9 Mar 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

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232. Thermo Fisher Scientific launches new AcroMetrix Coronavirus 2019 (COVID-19) RNA Control (RUO).

Source: *PR Newswire*, 31 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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233. Algenon announces availability of its NP-120 Ifenprodil drug for compassionate use for Coronavirus.

Source: *globenewswire*, 6 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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234. WPD Pharmaceuticals' WP1122 drug to be tested on a range of viruses including coronavirus.

Source: *globenewswire*, 19 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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235. Abbott receives FDA Emergency Use Authorization and launches test to detect novel Coronavirus.

Source: *Chemical Business News Base (CBNB)*, 18 Mar 2020 **Availability:** Abbott, website: <http://www.abbott.com/>

Database: CBNB

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Data Provider: Engineering Village

236. Innovation Pharmaceuticals submits Material Transfer Agreement to study lead defensin mimetic Brilacidin for coronavirus (COVID-19).

Source: *globenewswire*, 24 Feb 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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237. WPD Pharmaceuticals partners with CNS Pharmaceuticals on drug development for coronavirus and other antiviral indications.

Source: *globenewswire*, 24 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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238. T2 Biosystems announces worldwide licensing agreement of COVID-19, novel coronavirus assay from Hackensack Meridian Health's Center for Discovery and Innovation.

Source: *globenewswire*, 24 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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239. Viracor Eurofins launches Coronavirus SARS-CoV-2 RT-PCR test with same day results (12-18 hours).

Source: *PR Newswire*, 10 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

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240. Innovation Pharmaceuticals Brilacidin received by US Regional Biocontainment Laboratory; testing against coronavirus (COVID-19).

Source: *globenewswire*, 9 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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241. CureVac and CEPI extend their cooperation to develop a vaccine against coronavirus nCoV-2019.

Source: *globenewswire*, 31 Jan 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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242. SR-rich motif plays a pivotal role in recombinant SARS coronavirus nucleocapsid protein multimerization

Luo, Haibin (State Key Laboratory of Drug Research, Shanghai Institute of Materia Medica, Graduate School of the Chinese Academy of Sciences, Shanghai 201203, China); Ye, Fei; Chen, Kaixian; Shen, Xu; Jiang, Hualiang **Source:** *Biochemistry*, v 44, n 46, p 15351-15358, November 22, 2005

Database: Compendex

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243. World's first two-stage coronavirus (COVID-19) test is available to US frontline workers now.

Source: *PR Newswire*, 9 Apr 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

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244. Astrovirus-Like, Coronavirus-Like, and Parovirus-Like Particles Detected in the Diarrheal Stools of Beagle Pups

Williams, F. P. (Health Effects Research Lab., Cincinnati, OH.) **Report:** EPA-600/J-80-296, 14p, May 1980

Database: NTIS

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245. GenereX signs contract with EpiVax to develop li-key peptide vaccines to address the coronavirus pandemic.

Source: *globenewswire*, 4 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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246. OpGen provides update on Curetis now offering BGI's CE-IVD rapid test kit for coronavirus in Europe.

Source: *globeNewswire*, 16 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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247. Inovio collaborating with Beijing Advaccine to advance INO-4800 vaccine against new coronavirus in China.

Source: *PR Newswire*, 30 Jan 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

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248. Amplidag COVID-19 molecular diagnostic test granted Emergency Use Authorization in Finland for novel coronavirus.

Source: *BioSpace*, 14 Apr 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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249. Molculin signs agreement with UTMB to test WP1122 on a range of viruses including Coronavirus.

Source: *PR Newswire*, 17 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

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250. Characterization and immunological evaluation of chitosan nanoparticles as adjuvants for bovine coronavirus N protein

Sun, Qingshen (Laboratory of Microbiology, College of Life Science, Heilongjiang University, Harbin 150080, Heilongjiang Province, China); Zhang, Jialing; Han, Dequan; Yang, Yongbo; Zhu, Li; Yu, Li **Source:** *Applied Mechanics and Materials*, v 161, p 113-120, 2012, *Advanced Materials and Engineering Applications*

Database: Compendex

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251. Several drugmakers are racing to create and test a vaccine for China's deadly coronavirus: Aethlon Medical.

Source: *PR Newswire*, 29 Jan 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

252. Sanofi joins forces with US Department of Health and Human Services to advance a novel coronavirus vaccine.

Source: *Chemical Business News Base (CBNB)*, 18 Feb 2020 **Availability:** Sanofi, website: <http://en.sanofi.com/>

Database: CBNB

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Data Provider: Engineering Village

253. WPD Pharmaceuticals reports active compound in licensed drug candidate reduces coronavirus replication in vitro by 100%.

Source: *globoNewsWire*, 9 Apr 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

254. Development of Novodiag Assay for safe and easy molecular testing of novel coronavirus and influenza viruses.

Source: *BioSpace*, 10 Feb 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

255. Fulgent Genetics announces launch of next generation sequencing (NGS) test to detect coronavirus disease (COVID-19).

Source: *globoNewsWire*, 17 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

256. Innovation Pharmaceuticals to ship Brilacidin to US Regional Biocontainment Laboratory for research against coronavirus COVID-19.

Source: *globoNewsWire*, 27 Feb 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

257. Coronavirus update: FDA and FTC warn seven companies selling fraudulent products that claim to treat or prevent COVID-19.

Source: *US Food and Drug Administration News*, 9 Mar 2020 **Availability:** Website: <http://www.fda.gov>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

258. Coronavirus: treated with remdesivir, the patient from Bordeaux, who came from Wuhan, is out of the woods.

Source: *La Tribune*, 14 Feb 2020 **Language:** French **Availability:** Website: <http://www.latribune.fr/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

259. Abbott launches molecular point-of-care test to detect novel coronavirus in as little as five minutes.

Source: *Chemical Business News Base (CBNB)*, 27 Mar 2020 **Availability:** Abbott, website: <http://www.abbott.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

260. Abbott launches molecular point-of-care test to detect novel coronavirus in as little as five minutes.

Source: *PR Newswire*, 27 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

261. Assessing nitrogen dioxide (NO₂) levels as a contributing factor to coronavirus (COVID-19) fatality

Ogen, Yaron (The Department of Remote Sensing and Cartography, Institute of Geosciences and Geography, Martin-Luther University Halle-Wittenberg, Von-Seckendorff-Platz 4, Room: H4 2.23, Halle (Saale); 06120, Germany)

Source: *Science of the Total Environment*, v 726, 15 July 2020

Database: Compendex

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

262. Several drugmakers are racing to create and test a vaccine for China's deadly coronavirus: Moderna Inc.

Source: *PR Newswire*, 29 Jan 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

263. Meridian Bioscience Lyo-Ready 1-Step RT-qPCR mix is used in the development of molecular diagnostics for new coronavirus outbreak.

Source: *globenewswire*, 27 Jan 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

264. COVID-19 molecular test from XCR Diagnostics delivers results in half the time of existing coronavirus tests.

Source: *BioSpace*, 17 Mar 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

265. Tauriga Sciences Inc and Aegea Biotechnologies Inc enter into collaboration agreement to develop a rapid, multiplexed novel coronavirus (COVID-19) test designed to exhibit superior performance.

Source: *globenewswire*, 7 Apr 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

266. EmphyCorp news: Nitric oxide is currently being tested in clinical trials as a potential treatment for patients infected with the Coronavirus.

Source: *PR Newswire*, 17 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

267. OpGen provides update on Curetis Group company Ares Genetics' collaboration with BGI Group to offer next-generation sequencing and PCR-based coronavirus (2019-nCoV) testing in Europe.

Source: *globenewswire*, 30 Jan 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

268. Coronavirus (COVID-19) update: FDA gives flexibility to New York State Department of Health, FDA issues Emergency Use Authorization diagnostic.

Source: *PR Newswire*, 13 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

269. Laboratory diagnosis of SARS

Bermingham, A. (Enteric, Resp. and Neurol. Lab., Hlth. Protect. Agy. Ctrl. Pub. H., 61 Colindale Avenue, London NW9 5HT, United Kingdom); Heinen, P.; Iturriza-Gómara, M.; Gray, J.; Appleton, H.; Zambon, M.C. **Source:** *Philosophical Transactions of the Royal Society of London Series B Biological Sciences*, v 359, n 1447, p 1083-1089, July 29, 2004

Database: GEOBASE

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

270. Todos Medical signs novel coronavirus (COVID-19) point-of-care rapid antibody testing kit exclusive distribution agreement for the US and Israel with Shanghai Liangrun Subsidiary Gibraltar.

Source: *globenewswire*, 19 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

271. Cynomolgus Macaque as an Animal Model for Severe Acute Respiratory Syndrome

Lawler, J. V.; Endy, T. P.; Hensley, L. E.; Garrison, A.; Fritz, E. A. (Army Medical Research Inst. of Infectious Diseases, Fort Detrick, MD.) **Report:** RPP-05-302, 11p, May 2006

Database: NTIS

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Data Provider: Engineering Village

272. Predicting commercially available antiviral drugs that may act on the novel coronavirus (SARS-CoV-2) through a drug-target interaction deep learning model

Beck, Bo Ram (Deargen, Inc., Daejeon, Korea, Republic of); Shin, Bonggun; Choi, Yoonjung; Park, Sungsoo; Kang, Keunsoo **Source:** *Computational and Structural Biotechnology Journal*, v 18, p 784-790, 2020

Database: Compendex

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

273. Synthetic virus-like particles prepared via protein corona formation enable effective vaccination in an avian model of coronavirus infection

Chen, Hui-Wen (Department of Veterinary Medicine, National Taiwan University, Taipei, Taiwan); Huang, Chen-Yu; Lin, Shu-Yi; Fang, Zih-Syun; Hsu, Chen-Hsuan; Lin, Jung-Chen; Chen, Yuan-I; Yao, Bing-Yu; Hu, Che-Ming J.

Source: *Biomaterials*, v 106, p 111-118, November 1, 2016

Database: Compendex

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Data Provider: Engineering Village

274. Generex Biotechnology subsidiaries NuGenerex Immuno-Oncology and NuGenerex Diagnostics working to address the coronavirus pandemic and emerging risk of avian flu using li-Key peptide vaccines.

Source: *globenewswire*, 6 Feb 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

275. Digital Citizens Alliance calls on US Department of Justice to halt advertising of medical masks, coronavirus test kits and "vaccines" on Facebook and Instagram.

Source: *PR Newswire*, 19 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

276. CNS Pharmaceuticals signs agreement with WPD Pharmaceuticals to develop drug candidates for a range of viruses including coronavirus for international markets.

Source: *PR Newswire*, 23 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

277. QIAGEN dramatically ramping up global production capacity for RNA extraction kits for use in detection of SARS-CoV-2 coronavirus.

Source: *BioSpace*, 17 Mar 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

278. Applied DNA Sciences subsidiary, LineaRx, and Takis Biotech collaborate for development of a linear DNA vaccine candidate against Wuhan coronavirus 2019-nCoV.

Source: *BioSpace*, 7 Feb 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

279. Tonix Pharmaceuticals announces research collaboration with Southern Research to develop a potential vaccine to protect against new coronavirus disease 2019 (COVID-19) based on horsepox virus (TNX-1800).

Source: *globenewswire*, 26 Feb 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

280. Immunosensor based on antibody-functionalized MoS₂ for rapid detection of avian coronavirus on cotton thread

Weng, Xuan (BioNano Laboratory, School of Engineering, University of Guelph, Guelph; ON; N1G 2W1, Canada); Neethirajan, Suresh **Source:** *IEEE Sensors Journal*, v 18, n 11, p 4358-4363, June 1, 2018

Database: Compendex

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281. Learning from SARS (Severe Acute Respiratory Syndrome): Preparing for the Next Disease Outbreak. Workshop Summary. Held in Washington, DC on September 30-October 1, 2003

(Institute of Medicine, Washington, DC.) **Sponsor:** Centers for Disease Control and Prevention, Atlanta, GA.; Food and Drug Administration, Rockville, MD.; Agency for International Development, Washington, DC.; Department of Defense, Washington, DC. **Report:** ISBN-0-309-53034-2, 376p, 2004

Database: NTIS

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282. Investigation of the binding affinity of C-terminal domain of SARS coronavirus nucleocapsid protein to nucleotide using AlGaN/GaN high electron mobility transistors

Hsu, You-Ren (Institute of Nanoengineering and Microsystems, National Tsing Hua University, Hsinchu, 300, Taiwan); Lee, Geng-Yen; Chyi, Jen-Inn; Chang, Chung-Ke; Huang, Chih-Cheng; Hsu, Chen-Pin; Huang, Tai-Huang; Ren, Fan; Wang, Yu-Lin **Source:** *Proceedings of IEEE Sensors, 2012, IEEE SENSORS 2012 - Proceedings*

Database: Compendex

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283. Arch-shaped multiple-target sensing for rapid diagnosis and identification of emerging infectious pathogens

Bonhan Koo (Dept. of Convergence Med., Univ. of Ulsan Coll. of Med., Seoul, Korea, Republic of); Ki Ho Hong; Choong Eun Jin; Ji Yeun Kim; Sung-Han Kim; Yong Shin **Source:** *Biosensors and Bioelectronics*, v 119, p 79-85, 15 Nov. 2018

Database: Inspec

Copyright 2018, The Institution of Engineering and Technology

Data Provider: Engineering Village

284. Increased detection of viruses in children with respiratory tract infection using PCR

Lin, Chien-Yu (Department of Pediatrics, Hsinchu MacKay Memorial Hospital, Hsinchu; 30071, Taiwan); Hwang, David; Chiu, Nan-Chang; Weng, Li-Chuan; Liu, Hsin-Fu; Mu, Jung-Jung; Liu, Chang-Pan; Chi, Hsin **Source:** *International Journal of Environmental Research and Public Health*, v 17, n 2, January 2, 2020

Database: GEOBASE

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

285. An isothermal, label-free, and rapid one-step RNA amplification/detection assay for diagnosis of respiratory viral infections

Koo, Bonhan (Department of Convergence Medicine, Asan Medical Center, University of Ulsan College of Medicine, Biomedical Engineering Research Center, Asan Institute of Life Sciences, Asan Medical Center, 88 Olympic-ro-43gil, Songpa-gu, Seoul, Korea, Republic of); Jin, Choong Eun; Lee, Tae Yoon; Lee, Jeong Hoon; Park, Mi Kyoung; Sung, Heungsup; Park, Se Yoon; Lee, Hyun Jung; Kim, Sun Mi; Kim, Ji Yeun; Kim, Sung-Han; Shin, Yong **Source:** *Biosensors and Bioelectronics*, v 90, p 187-194, April 15, 2017

Database: Compendex

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Data Provider: Engineering Village

286. Compositions and Methods for Detecting Severe Acute Respiratory Syndrome Coronavirus

Gillim-Ross, L.; Taylor, J.; Scholl, D. R.; Wetnworth, D. E.; Jollick, J. D. (Health Research, Inc., Rensselaer, NY.) **Sponsor:** National Institutes of Health, Bethesda, MD. **Report:** PAT-APPL-10-699-936, 285p, Aug 2003

Database: NTIS

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Data Provider: Engineering Village

287. BioNTech joins the coronavirus race.

Source: *Chemical and Engineering News*, v 98, n 11, p 13, 23 Mar 2020 **Availability:** Website: <http://www.cen-online.org>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

288. Advances in the diagnosis of respiratory tract infections: Role of the Luminex xTAG respiratory viral panel

Krunic, Nancy (Luminex Molecular Diagnostics, Toronto, ON, Canada); Merante, Frank; Yaghoubian, Sevana; Himsworth, David; Janeczko, Richard **Source:** *Annals of the New York Academy of Sciences*, v 1222, n 1, p 6-13, March 2011

Database: Chimica

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289. Protein nanopatterns and biosensors using gold binding polypeptide as a fusion partner

Park, Tae Jung (Department of Chemical and Biomolecular Engineering (BK21 Program), BioProcess Engineering Research Center, Korea Advanced Institute of Science and Technology (KAIST), Daejeon 305-701, Korea, Republic of); Lee, Sang Yup; Lee, Seok Jae; Park, Jong Pil; Yang, Kwang Suk; Lee, Kyung-Bok; Ko, Sungho; Park, Jong Bae; Kim, Taekeun; Kim, Seong Kyu; Shin, Yong Bum; Chung, Bong Hyun; Ku, Su-Jin; Kim, Do Hyun; Choi, Insung S.

Source: *Analytical Chemistry*, v 78, n 20, p 7197-7205, October 15, 2006

Database: Chimica

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290. Generation of a defective RNA of avian coronavirus infectious bronchitis virus (IBV): Defective RNA of coronavirus IBV

Penzes, Z. (Division of Molecular Biology, Institute for Animal Health, Newbury, Berkshire RG16 ONN, United Kingdom); Tibbles, K.W.; Shaw, K.; Britton, P.; Brown, T.D.K.; Cavanagh, D. **Source:** *Advances in Experimental Medicine and Biology*, v 380, p 563-569, 1995

Database: Chimica

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291. Moleculin announces agreement with ImQuest Biosciences to Expand coronavirus testing.

Source: *PR Newswire*, 20 Apr 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

292. Chembio Diagnostics and Stony Brook Medicine collaborate to identify coronavirus survivors.

Source: *globoNewsWire*, 9 Apr 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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293. Arch-shaped multiple-target sensing for rapid diagnosis and identification of emerging infectious pathogens

Koo, Bonhan (Department of Convergence Medicine, Asan Medical Center, University of Ulsan College of Medicine, Biomedical Engineering Research Center, Asan Institute of Life Sciences, Asan Medical Center, 88 Olympic-ro-43gil, Songpa-gu, Seoul, Korea, Republic of); Hong, Ki Ho; Jin, Choong Eun; Kim, Ji Yeun; Kim, Sung-Han; Shin, Yong **Source:** *Biosensors and Bioelectronics*, v 119, p 79-85, 15 November 2018

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

294. Biopharma industry news for 26 Mar 2020: update on the novel coronavirus.

Source: *BioSpace*, 26 Mar 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

295. Agency taps Australia to create a coronavirus vaccine with 'unprecedented speed': NanoViricides Inc.

Source: *PR Newswire*, 28 Jan 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

296. Moleculin announces active compound in WP1122 reduces coronavirus replication in vitro by 100%.

Source: *PR Newswire*, 8 Apr 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

297. Todos Medical expands on coronavirus (COVID-19) distribution agreement with Shanghai Liangrun subsidiary Gibraltar.

Source: *globenewswire*, 30 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

298. Characterization of temperature-sensitive (ts) mutants of coronavirus infectious bronchitis virus (IBV)

Shen, Shuo (Institute of Molecular Agrobiolgy, National University of Singapore, 1 Research Linke, Singapore 117604, Singapore); Ding, Xiang Liu **Source:** *Advances in Experimental Medicine and Biology*, v 494, p 557-562, 2001

Database: Chimica

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299. Serum proteomic fingerprints of adult patients with severe acute respiratory syndrome

Pang, Ronald T. K. (Centre for Emerging Infectious Diseases, Chinese University of Hong Kong, Prince of Wales Hospital, Shatin, NT, Hong Kong); Poon, Terence C. W.; Chan, K.C. Allen; Lee, Nelson L. S.; Chiu, Rossa W. K.; Tong, Yu-Kwan; Wong, Ronald M. Y.; Chim, Stephen S. C.; Ngai, Sai M.; Sung, Joseph J. Y.; Lo, Y. M. Dennis **Source:** *Clinical Chemistry*, v 52, n 3, p 421-429, March 2006

Database: Chimica

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300. Ridgeback Biotherapeutics and Drug Innovations Ventures at Emory partner to develop clinical stage coronavirus treatment.

Source: *PR Newswire*, 19 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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301. Use of dual TaqMan probes to increase the sensitivity of 1-step quantitative reverse transcription-PCR: Application to the detection of SARS coronavirus

Yip, Shea Ping (Department of Health Technology and Informatics, Hong Kong Polytechnic University, Hong Kong, Hong Kong); To, Shing Shun T.; Leung, Polly H. M.; Cheung, Tsz Shan; Cheng, Peter K. C.; Lim, Wilina W. L. **Source:** *Clinical Chemistry*, v 51, n 10, p 1885-1888, October 2005

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302. Expression of SARS-coronavirus nucleocapsid protein in Escherichia coli and Lactococcus lactis for serodiagnosis and mucosal vaccination

Pei, Huadong (State Key Laboratory of Microbial Resources, Institute of Microbiology, Chinese Academy of Sciences, Beijing, 100080, China); Liu, Jingfang; Cheng, Yun; Sun, Chaomin; Wang, Chen; Lu, Yueping; J., Ding; J., Zhou; H., Xiang **Source:** *Applied Microbiology and Biotechnology*, v 68, n 2, p 220-227, July 2005

Database: Compendex

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303. Novel system for detecting SARS coronavirus nucleocapsid protein using an ssDNA aptamer

Cho, Seong-Je (Department of Bio and Nanochemistry, Kookmin University, Seoul 136-702, Korea, Republic of); Woo, Hye-Min; Kim, Ki-Sun; Oh, Jong-Won; Jeong, Yong-Joo **Source:** *Journal of Bioscience and Bioengineering*, v 112, n 6, p 535-540, December 2011

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304. Structural flexibility of the pentameric SARS coronavirus envelope protein ion channel

Parthasarathy, K. (Sch. of Biol. Sci., Nanyang Technol. Univ., Singapore); Lifang Ng; Xin Lin; Ding Xiang Liu; Pervushin, K.; Xiandi Gong; Torres, J. **Source:** *Biophysical Journal*, v 95, n 6, p L39-L41, Sept. 2008

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305. Expression and purification of SARS coronavirus membrane protein

Dai, Wuxing (Department of Biochemistry and Molecular Biology, School of Basic Medical Science, Huang-zhong University of Science and Technology, Wuhan 430040, China); Lei, Mingjun; Wu, Shaoting; Chen, Zhihao; Liang, Liang; Pan, Huirong; Qin, Li; Gao, Shitong; Yuan, Shishan; Zang, Renli **Source:** *Journal of Huazhong University of Science and Technology - Medical Science*, v 24, n 5, p 414-416, 2004

Database: Compendex

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Data Provider: Engineering Village

306. Rapid diagnosis test for coronavirus COVID-19 now available.

Source: *PR Newswire*, 12 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

307. The genome sequence of the SARS-associated coronavirus (Open Access)

Marra, Marco A. (Brit. Columbia Cancer Agency (BCCA), Genome Sciences Centre, 600 West 10th Avenue, Vancouver, BC V5Z 4E6, Canada); Jones, Steven J. M.; Astell, Caroline R.; Holt, Robert A.; Brooks-Wilson, Angela; Butterfield, Yaron S. N.; Khattri, Jaswinder; Asano, Jennifer K.; Barber, Sarah A.; Chan, Susanna Y.; Cloutier, Alison; Coughlin, Shaun M.; Freeman, Doug; Girn, Noreen; Griffith, Obi L.; Leach, Stephen R.; Mayo, Michael; McDonald, Helen; Montgomery, Stephen B.; Pandoh, Pawan K.; Petrescu, Anca S.; Robertson, A. Gordon; Schein, Jacqueline E.; Siddiqui, Asim; Smailus, Duane E.; Stott, Jeff M.; Yang, George S.; Plummer, Francis; Andonov, Anton; Artsob, Harvey; Bastien, Nathatie; Bernard, Kathy; Booth, Timothy F.; Bowness, Donnie; Czub, Martin; Drebot, Michael; Fernando, Lisa; Flick, Ramon; Garbutt, Michael; Gray, Michael; Grolla, Allen; Jones, Steven; Feldmann, Heinz; Meyers, Adrienne; Kabani, Amin; Li, Yan; Normand, Susan; Stroher, Ute; Tipples, Graham A.; Tyler, Shaun; Vogrig, Robert; Ward, Diane; Watson, Brynn; Brunham, Robert C.; Krajden, Mel; Petric, Martin; Skowronski, Danuta M.; Upton, Chris; Roper, Rachel L. **Source:** *Science*, v 300, n 5624, p 1399-1404, May 30, 2003

Database: Compendex

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308. TMPRSS11A activates the influenza A virus hemagglutinin and the MERS coronavirus spike protein and is insensitive against blockade by HAI-1 (Open Access)

Zmora, Pawel (Infection Biology Unit, German Primate Center–Leibniz Institute for Primate Research, Göttingen; 37077, Germany); Hoffmann, Markus; Kollmus, Heike; Moldenhauer, Anna-Sophie; Danov, Olga; Braun, Armin; Winkler, Michael; Schughart, Klaus; Stefan Pöhlmann, X. **Source:** *Journal of Biological Chemistry*, v 293, n 36, p 13863-13873, September 7, 2018

Database: Compendex

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309. A 193-Amino Acid Fragment of the SARS Coronavirus S Protein Efficiently Binds Angiotensin-converting Enzyme 2 (Open Access)

Wong, Swee Kee (Brigham and Women's Hospital, Department of Medicine, Harvard Medical School, Boston, MA 02115, United States); Li, Wenhui; Moore, Michael J.; Choe, Hyeryun; Farzan, Michael **Source:** *Journal of Biological Chemistry*, v 279, n 5, p 3197-3201, January 30, 2004

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310. A new model for coronavirus transcription

Sawicki, S.G. (Department of Microbiology and Immunology, Medical College of Ohio, Toledo, OH 43699, United States); Sawicki, D.L. **Source:** *Advances in Experimental Medicine and Biology*, v 440, p 215-219, 1998

Database: Chimica

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311. Adaptation and serial passage of bovine coronavirus in an established diploid swine testicular cell line and subsequent development of a modified live vaccine

Welter, Mark W. (Oragen L.C., Des Moines, IA 50322, United States) **Source:** *Advances in Experimental Medicine and Biology*, v 440, p 707-711, 1998

Database: Chimica

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312. The 3a protein of SARS-coronavirus induces apoptosis in vero E6 cells

Waye, Mary M. Y. (Department of Biochemistry, Chinese University of Hong Kong, Shatin, N.T., Hong Kong); Law, Patrick T. W.; Wong, Chi-Hang; Au, Thomas C. C.; Chuck, Chi-Pang; Kong, Siu-Kai; Chan, Paul K. S.; To, Ka-Fai; Lo, Anthony W.I.; Chan, Judy Y. W.; Suen, Yick-Keung; Chan, H. Y. Edwin; Fung, Kwok-Pui; Sung, Joseph J. Y.; Lo, Y. M. Dennis; Tsui, Stephen K. W. **Source:** *Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings*, 7 VOLS, p 7482-7485, 2005, *Proceedings of the 2005 27th Annual International Conference of the Engineering in Medicine and Biology Society, IEEE-EMBS 2005*

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313. Human macrophages are susceptible to coronavirus OC43

Collins, A.R. (Department of Microbiology, School of Med./Biomedical Sciences, State University of New York, Buffalo, NY 14214, United States) **Source:** *Advances in Experimental Medicine and Biology*, v 440, p 635-647, 1998

Database: Chimica

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314. Long distance RT-PCRS of human coronavirus 229E RNA

Thiel, Volker (Institute of Virology and Immunology, University of Wuerzburg, Versbacherstr. 7, 97078 Wuerzburg, Germany); Herold, Jens; Siddell, Stuart G. **Source:** *Advances in Experimental Medicine and Biology*, v 440, p 269-273, 1998

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315. 2-Substituted benzoxazinone analogues as anti-human coronavirus (anti-HCoV) and ICAM-1 expression inhibition agents

Hsieh, Pei-Wen (Grad. Institute of Natural Products, Kaohsiung Medical University, Kaohsiung 807, Taiwan); Chang, Fang-Rong; Chang, Cheng-Hsien; Cheng, Pei-Wen; Chiang, Lien-Chai; Zeng, Fu-Long; Lin, Kuei-Hsiang; Wu, Yang-Chang **Source:** *Bioorganic and Medicinal Chemistry Letters*, v 14, n 18, p 4751-4754, September 20, 2004

Database: Chimica

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316. Kaempferol derivatives as antiviral drugs against the 3a channel protein of coronavirus

Schwarz, Silvia (Shanghai Research Center for Acupuncture and Meridians, Shanghai, China); Sauter, Daniel; Wang, Kai; Zhang, Ronghua; Sun, Bing; Karioti, Anastasia; Bilia, Anna Rita; Efferth, Thomas; Schwarz, Wolfgang **Source:** *Planta Medica*, v 80, n 2-3, p 177-182, February 2014

Database: Chimica

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317. Bovine coronavirus nucleocapsid protein processing and assembly

Hogue, B.G. (Division of Molecular Virology, Dept. of Microbiology and Immunology, Baylor College of Medicine, Houston, TX, United States) **Source:** *Advances in Experimental Medicine and Biology*, v 380, p 259-263, 1995

Database: Chimica

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318. Altered proteolytic processing of the polymerase polyprotein in RNA(-) temperature sensitive mutants of murine coronavirus

Baker, S.C. (Dept. of Microbiology/Immunology, Loyola University Medical Center, Maywood, IL 60153, United States); Gao, H.; Baric, R.S. **Source:** *Advances in Experimental Medicine and Biology*, v 342, p 215-219, 1994

Database: Chimica

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319. Structure and intracellular assembly of the transmissible gastroenteritis coronavirus

Risco, C. (Centro Nacional de Biotecnología (CSIC), Campus Universidad Autónoma, 28049 Madrid, Spain); Antón, I.M.; Muntión, M.; González, J.M.; Carrascosa, J.L.; Enjuanes, L. **Source:** *Advances in Experimental Medicine and Biology*, v 440, p 341-346, 1998

Database: Chimica

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320. Coronavirus-induced demyelination of neural pathways triggers neurogenic bladder overactivity in a mouse model of multiple sclerosis

McMillan, Matthew T. (Division of Urology, Department of Surgery, Perelman School of Medicine, University of Pennsylvania, Glenolden, PA, United States); Pan, Xiao-Qing; Smith, Ariana L.; Newman, Diane K.; Weiss, Susan R.; Ruggieri Sr., Michael R.; Malykhina, Anna P. **Source:** *American Journal of Physiology - Renal Physiology*, v 307, n 5, p F612-F622, September 1, 2014

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321. Piezoelectric immunosensor for SARS-associated coronavirus in sputum

Zuo, Boli (Analytical Center, Institute of Chemical Defense of PLA, Beijing, 102205, China); Li, Shanmao; Guo, Zhao; Zhang, Jinfang; Chen, Chuanzhi **Source:** *Analytical Chemistry*, v 76, n 13, p 3536-3540, July 1, 2004

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322. 7 Hills Pharma announces coronavirus vaccine programme targeting at-risk elderly.

Source: *globenewswire*, 15 Apr 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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Data Provider: Engineering Village

323. Coronavirus JHM OMP1 pathogenesis in owl monkey CNS and coronavirus infection of owl monkey CNS via peripheral routes

Cabirac, G.F. (Rocky Mt. Multiple Sclerosis Center, Colorado Neurological Institute, Swedish Medical Center, Englewood, CO 80150, United States); Soike, K.F.; Butunoi, C.; Hoel, K.; Johnson, S.; Cai, G.-Y.; Murray, R.S.

Source: *Advances in Experimental Medicine and Biology*, v 342, p 347-352, 1994

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

324. Characterization of human T cell clones specific for coronavirus 229E

Spencer, J.S. (RMMS, Colorado Neurological Institute, Englewood, CO, United States); Cabirac, G.F.; Best, C.; McLaughlin, L.; Murray, R.S. **Source:** *Advances in Experimental Medicine and Biology*, v 380, p 121-129, 1995

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

325. Polarized entry of bovine coronavirus in epithelial cells

Schultze, B. (Institut für Virologie, Philipps-Universität Marburg, Marburg, Germany); Herrler, G. **Source:** *Advances in Experimental Medicine and Biology*, v 380, p 375-378, 1995

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

326. Structure of the X (ADRP) domain of nsp3 from feline coronavirus

Wojdyla, J.A. (EMBL Hamburg Outstation, Hamburg, Germany); Manolaridis, I.; Snijder, E.J.; Gorbalenya, A.E.; Coutard, B.; Piotrowski, Y.; Hilgenfeld, R.; Tucker, P.A. **Source:** *Acta Crystallographica, Section D (Biological Crystallography)*, v D65, n 12, p 1292-300, 1 Dec. 2009

Database: Inspec

Copyright 2010, The Institution of Engineering and Technology

Data Provider: Engineering Village

327. Antiviral activity of glycyrrhizic acid derivatives against SARS-coronavirus

Hoeber, Gerold (Institute of Medical Virology, J. Wolfgang Goethe Univ. Frankfurt, Paul-Ehrlich-Strasse 40, 60596 Frankfurt, Germany); Baltina, Lidia; Michaelis, Martin; Kondratenko, Rimma; Baltina, Lia; Tolstikov, Genrich A.; Doerr, Hans W.; Cinatl Jr., Jindrich **Source:** *Journal of Medicinal Chemistry*, v 48, n 4, p 1256-1259, February 24, 2005

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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328. Virus-ligand interactions of OC43 coronavirus with cell membranes

Collins, A.R. (Department of Microbiology, State Univ. of NY, Buffalo, NY 14214, United States) **Source:** *Advances in Experimental Medicine and Biology*, v 342, p 285-291, 1994

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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329. Fusogenic properties of uncleaved spike protein of murine coronavirus JHMV

Taguchi, F. (National Institute of Neuroscience, NCNP, 4-1-1 Ogawahigashi, Kodaira, Tokyo 187, Japan); Ikeda, T.; Saeki, K.; Kubo, H.; Kikuchi, T. **Source:** *Advances in Experimental Medicine and Biology*, v 342, p 171-175, 1994

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

330. Norgen Biotek offers first-class products to assist researchers in the study and molecular diagnosis of the 2019 Novel Coronavirus (COVID-19) outbreak.

Source: *PR Newswire*, 18 Feb 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

331. Coronavirus infection and demyelination: Development of inflammatory lesions in Lewis rats

Wege, Helmut (Institute of Diagnostic Virology, Federal Research Centre for Virus Diseases of Animals, Friedrich-Loeffler-Institutes, D-17498 Isle of Riems, Germany); Schluesener, Hermann; Meyermann, Richard; Barac-Latas, Vesna; Suchanek, Gerda; Lassmann, Hans **Source:** *Advances in Experimental Medicine and Biology*, v 440, p 437-444, 1998

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

332. Synthesis and evaluation of isatin derivatives as effective SARS coronavirus 3CL protease inhibitors

Chen, Li-Rung (Development Center for Biotechnology, 102, Ln. 169, K. Ning St., X Zhi 221, Taipei, Taiwan); Wang, Yu-Chin; Yi, Wen Lin; Chou, Shan-Yen; Chen, Shyh-Fong; Lee, Tai Liu; Wu, Ying-Ta; Kuo, Chih-Jung; Chen, Tom Shieh-Shung; Juang, Shin-Hun **Source:** *Bioorganic and Medicinal Chemistry Letters*, v 15, n 12, p 3058-3062, June 15, 2005

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

333. Computational characterization and design of SARS coronavirus receptor recognition and antibody neutralization

Zhang, Yuan (School of Life Sciences, Fudan University, Shanghai, 200433, China); Zheng, Nan; Zhong, Yang

Source: *Computational Biology and Chemistry*, v 31, n 2, p 129-133, April 2007

Database: Compendex

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

334. Automating the determination of open reading frames in genomic sequences using the web service techniques - A case study using SARS Coronavirus

Chang, Paul Hsueh-Min (Department of Computer Science, National Tsing-Hua University, 101, Section 2, Kuang-Fu Road, Hsinchu, 300, Taiwan); Soo, Von-Wun; Chen, Tai-Yu; Lai, Wei-Shen; Su, Shiun-Cheng; Huang, Yu-Ling

Source: *Proceedings - Fourth IEEE Symposium on Bioinformatics and Bioengineering, BIBE 2004*, p 451-458, 2004,

Proceedings - Fourth IEEE Symposium on Bioinformatics and Bioengineering, BIBE 2004

Database: Compendex

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

335. Dissemination of MHV4 (strain JHM) infection does not require specific coronavirus receptors

Gallagher, T.M. (Division of Virology, Department of Neuropharmacology, Scripps Research Institute, San Diego, CA 92037, United States); Buchmeier, M.J.; Perlman, S. **Source:** *Advances in Experimental Medicine and Biology*, v 342, p 279-284, 1994

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

336. In vitro antiviral activity of phlorotannins isolated from *Ecklonia cava* against porcine epidemic diarrhea coronavirus infection and hemagglutination

Kwon, Hyung-Jun (Infection Control Material Research Center, AI Control Material Research Center, Korea Research Institute of Bioscience and Biotechnology, 181 Ipsin-gil, Jeongeup-si, Jeonbuk 580-185, Korea, Republic of); Ryu, Young Bae; Kim, Young-Min; Song, Naaleum; Kim, Cha Young; Rho, Mun-Chual; Jeong, Jae-Ho; Cho, Kyoung-Oh;

Lee, Woo Song; Park, Su-Jin **Source:** *Bioorganic and Medicinal Chemistry*, v 21, n 15, p 4706-4713, August 1, 2013

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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337. Characterization and immunological evaluation of chitosan nanoparticles as adjuvants for bovine coronavirus N protein

Qingshen Sun (Lab. of Microbiol., Heilongjiang Univ., Harbin, China); Jialing Zhang; Dequan Han; Yongbo Yang; Li

Zhu; Li Yu **Source:** *Applied Mechanics and Materials*, v 161, p 113-20, 2012

Database: Inspec

Copyright 2012, The Institution of Engineering and Technology

Data Provider: Engineering Village

338. Homologous RNA recombination allows efficient introduction of site-specific mutations into the genome of coronavirus MHV-A59 via synthetic co-replicating RNAs

Van der Most, R. (Department of Virology, Institute of Medical Microbiology, Faculty of Medicine, Postbus 320, 2300 AH Leiden, Netherlands); Heijnen, L.; Spaan, W.; De Groot, R. **Source:** *Advances in Experimental Medicine and Biology*, v 342, p 149-154, 1994

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

339. Safe and sensitive antiviral screening platform based on recombinant human coronavirus OC43 expressing the luciferase reporter gene

Shen, Liang (Key Laboratory of Medical Virology, Ministry of Health, National Institute for Viral Disease Control and Prevention, China CDC, Beijing, China); Yang, Yang; Ye, Fei; Liu, Gaoshan; Desforges, Marc; Talbot, Pierre J.; Tan, Wenjie **Source:** *Antimicrobial Agents and Chemotherapy*, v 60, n 9, p 5492-5503, September 1, 2016

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

340. High throughput approach to drug discovery: Sars coronavirus - A case study

Gosalia, Dhaval N.; Simmons, Graham; Diamond, Scott L.; Bates, Paul **Source:** *AICHE Annual Meeting, Conference Proceedings*, p 9201, 2005, *05AIChE: 2005 AIChE Annual Meeting and Fall Showcase, Conference Proceedings*

Database: Compendex

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

341. Recognition of N-acetyl-9-O-acetylneuraminic acid by bovine coronavirus and hemagglutinating encephalomyelitis virus

Schultze, B. (Institut für Virologie, Philipps-Universität Marburg, Robert-Koch-Str. 17, 3550 Marburg, Germany); Herrler, G. **Source:** *Advances in Experimental Medicine and Biology*, v 342, p 299-304, 1994

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

342. Coronavirus envelope assembly is sensitive to changes in the terminal regions of the viral M protein

De Haan, C.A.M. (Institute of Virology, Department of Infectious Diseases and Immunology, Utrecht University, Yalelaan 1, 3584 CL Utrecht, Netherlands); Vennema, H.; Rottier, P.J.M. **Source:** *Advances in Experimental Medicine and Biology*, v 440, p 367-375, 1998

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

343. Cloning, sequence analysis and expression in E. coli of nucleoprotein gene of canine coronavirus giant panda isolate

Qiao, Jun (Institute of Military Veterinary, Quarter University of PLA, Changchun 130062, China); Xia, Xianzhu; Hu, Guixue; Hu, Rongliang; Xie, Zhijing; Yan, Fang; Yang, Songtao; Huang, Geng **Source:** *Acta Theriologica Sinica*, v 24, n 3, p 248-253, August 2004 **Language:** Chinese

Database: GEOBASE

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

344. α -Ketoamides as Broad-Spectrum Inhibitors of Coronavirus and Enterovirus Replication: Structure-Based Design, Synthesis, and Activity Assessment

Zhang, Linlin (Institute of Biochemistry, Center for Structural and Cell Biology in Medicine, University of Lübeck, Lübeck; 23562, Germany); Lin, Daizong; Kusov, Yuri; Nian, Yong; Ma, Qingjun; Wang, Jiang; Von Brunn, Albrecht; Leyssen, Pieter; Lanko, Kristina; Neyts, Johan; De Wilde, Adriaan; Snijder, Eric J.; Liu, Hong; Hilgenfeld, Rolf **Source:** *Journal of Medicinal Chemistry*, 2020 Article in Press

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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345. Immunosensor Based on Antibody-Functionalized MoS₂ for Rapid Detection of Avian Coronavirus on Cotton Thread

Xuan Weng (Sch. of Eng., Univ. of Guelph, Guelph, ON, Canada); Neethirajan, S. **Source:** *IEEE Sensors Journal*, v 18, n 11, p 4358-63, 1 June 2018

Database: Inspec

Copyright 2018, The Institution of Engineering and Technology

Data Provider: Engineering Village

346. Further characterisation of the coronavirus IBV ORF1a products encoded by the 3C-like proteinase domain and the flanking regions

Ng, L.F.P. (Institute of Molecular Agrobiolgy, 59A Fleming, 1 Science Park Drive, Singapore 118240, Singapore); Liu, D.X. **Source:** *Advances in Experimental Medicine and Biology*, v 440, p 161-171, 1998

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

347. Investigation of the binding affinity of C-terminal domain of SARS coronavirus nucleocapsid protein to nucleotide using AlGa_N/Ga_N high electron mobility transistors

You-Ren Hsu (Inst. of Nanoengineering & Microsyst., Nat. Tsing Hua Univ., Hsinchu, Taiwan); Geng-Yen Lee; Jen-Inn Chyi; Chung-ke Chang; Chih-Cheng Huang; Chen-Pin Hsu; Tai-Huang Huang; Fan Ren; Yu-Lin Wang **Source:** *2012 IEEE Sensors*, p 4 pp., 2012

Database: Inspec

Copyright 2013, The Institution of Engineering and Technology

Data Provider: Engineering Village

348. Automating the determination of open reading frames in genomic sequences using the Web service techniques - a case study using SARS coronavirus

Chang, P.H.-M. (Nat. Tsing Hua Univ., Hsinchu, Taiwan); Von-Wun Soo; Tai-Yu Chen; Wei-Shen Lai; Shiun-Cheng Su; Yu-Ling Huang **Source:** *Proceedings. Fourth IEEE Symposium on Bioinformatics and Bioengineering*, p 451-8, 2004

Database: Inspec

Copyright 2004, IEE

Data Provider: Engineering Village

349. Design, synthesis, testing, and quantitative structure - Activity relationship analysis of substituted salicylaldehyde Schiff bases of 1-amino-3-hydroxyguanidine tosylate as new antiviral agents against coronavirus

Wang, P.-H. (Section of Biomedical Chemistry, School of Pharmacy, University of Southern California, Los Angeles, CA 90033, United States); Keck, J.G.; Lien, E.J.; Lai, M.M.C. **Source:** *Journal of Medicinal Chemistry*, v 33, n 2, p 608-614, 1990

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

350. Dynamic change process of target genes by RT-PCR testing of SARS-Cov-2 during the course of a Coronavirus Disease 2019 patient

Lv, Ding-feng (Department of Blood Transfusion, Ningbo First Hospital, Ningbo, China); Ying, Qi-ming; Weng, Yue-song; Shen, Chi-bin; Chu, Jin-guo; Kong, Jing-ping; Sun, Ding-he; Gao, Xiang; Weng, Xing-bei; Chen, Xue-qin

Source: *Clinica Chimica Acta*, v 506, p 172-175, July 2020

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

351. An isothermal, label-free, and rapid one-step RNA amplification/detection assay for diagnosis of respiratory viral infections

Bonhan Koo (Dept. of Convergence Med., Univ. of Ulsan, Seoul, Korea, Republic of); Choong Eun Jin; Tae Yoon Lee; Jeong Hoon Lee; Mi Kyoung Park; Heungsung Sung; Se Yoon Park; Hyun Jung Lee; Sun Mi Kim; Ji Yeun Kim; Sung-Han Kim; Yong Shin **Source:** *Biosensors and Bioelectronics*, v 90, p 187-94, 15 April 2017

Database: Inspec

Copyright 2018, The Institution of Engineering and Technology

Data Provider: Engineering Village

352. Coronavirus outbreak sparks renewed interest in combatting infectious diseases: Inovio Pharmaceuticals Inc.

Source: *PR Newswire*, 4 Feb 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

353. Challenges and solutions for addressing critical shortage of supply chain for personal and protective equipment (PPE) arising from Coronavirus disease (COVID19) pandemic – Case study from the Republic of Ireland (Open Access)

Rowan, Neil J. (Department of Nursing and Healthcare, Athlone Institute of Technology, Ireland); Laffey, John G.

Source: *Science of the Total Environment*, v 725, 10 July 2020

Database: Compendex

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

354. Innovation Pharmaceuticals Brilacidin to be researched as possible novel coronavirus (COVID-19) vaccine; Brilacidin now being tested as drug and vaccine at different institutions.

Source: *globenewswire*, 17 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

355. Primagen licenses newly discovered coronavirus CoV-NL63 to bioMerieux.

Publication date: 1 Feb 2006 **Availability:** Primagen Holding BV, Meibergdreef 59, 1105, BA Amsterdam, The Netherlands, Tel: +31 20 566 8575, Fax: +31 20 566 9081, E-mail: info@primagen.com, Website: <http://www.primagen.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

356. Analysis of different probe-labeling systems for detection by hybridization of bovine coronavirus

Verbeek, J.A. (CRMC - Institute Armand-Frappier - University of Quebec, Laval-des-Rapides, Que., H7N 4Z3, Canada); Dea, S.; Tijssen, P. **Source:** *Advances in Experimental Medicine and Biology*, v 276, p 467-474, 1990

Database: Chimica

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357. Coronavirus receptor specificity

Holmes, K.V. (Department of Pathology, Uniformed Services Univ. Health Sci., Bethesda, MD 20814-4799, United States); Dveksler, G.; Gagneten, S.; Yeager, C.; Lin, S.-H.; Beauchemin, N.; Look, A.T.; Ashmun, R.; Dieffenbach, C.

Source: *Advances in Experimental Medicine and Biology*, v 342, p 261-266, 1994

Database: Chimica

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358. Bcl-xL inhibits T-cell apoptosis induced by expression of SARS coronavirus E protein in the absence of growth factors

Yang, Yu (Department of Medicine, Biology of Inflammation Center, Baylor College of Medicine, Houston, TX 77030, United States); Xiong, Zeyu; Zhang, Sheng; Yan, Yan; Nguyen, Justin; Ng, Bernard; Lu, Huifang; Brendese, John; Yang, Fan; Wang, Hong; Yang, Xiao-Feng

Source: *Biochemical Journal*, v 392, n 1, p 135-143, November 15, 2005

Database: Compendex

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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359. Murine coronavirus temperature sensitive mutants

Baric, R.S. (Department of Parasitology and Laboratory Practice, School of Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599, United States); Schaad, M.C.; Wei, T.; Fu, K.; Lum, K.; Shieh, C.; Stohman, S.A.

Source: *Advances in Experimental Medicine and Biology*, v 276, p 349-356, 1990

Database: Chimica

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Data Provider: Engineering Village

360. Transmissible gastroenteritis coronavirus carrier sow

Woods, Roger D. (Virology Swine Research Unit, National Animal Disease Center, Agricultural Research Service, 2300 Dayton Avenue, Ames, IA 50010, United States); Wesley, Ronald D.

Source: *Advances in Experimental Medicine and Biology*, v 440, p 641-647, 1998

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

361. Isatin compounds as noncovalent SARS coronavirus 3C-like protease inhibitors

Zhou, Lu (State Key Laboratory for Structural Chemistry of Unstable and Stable Species, College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, China); Liu, Ying; Zhang, Weilin; Wei, Ping; Huang, Changkang; Pei, Jianfeng; Yuan, Yaxia; Lai, Luhua

Source: *Journal of Medicinal Chemistry*, v 49, n 12, p 3440-3443, June 15, 2006

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

362. QIAGEN gains BARDA funding for approval process of QIAstat-Dx test kit for SARS-CoV-2 coronavirus.

Source: *BioSpace*, 13 Mar 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

363. OPKO Health's BioReference Laboratories to introduce Coronavirus Disease (COVID-19) test.

Source: *PR Newswire*, 5 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

364. Structure and encapsidation of transmissible gastroenteritis coronavirus (TGEV) defective interfering genomes

Mendez, A. (Dept. of Molecular/Cellular Biology, Centro Nacional de Biotecnología, Campus Universidad Autónoma, Canto Blanco, Madrid 28049, Spain); Smerdou, C.; Gebauer, F.; Izeta, A.; Enjuanes, L. **Source:** *Advances in Experimental Medicine and Biology*, v 380, p 583-589, 1995

Database: Chimica

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Data Provider: Engineering Village

365. Coronavirus 3CLpro proteinase cleavage sites: Possible relevance to SARS virus pathology (Open Access)

Kiemer, Lars (Ctr. Biol. Seq. Anal. Biocentrum-DTU, Technical University of Denmark, Building 208, DK-2800 Lyngby, Denmark); Lund, Ole; Brunak, Søren; Blom, Nikolaj **Source:** *BMC Bioinformatics*, v 5, June 6, 2004

Database: Compendex

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366. Role of host age and genotype in murine enterotropic coronavirus infection

Barthold, S.W. (Section of Comparative Medicine, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06510, United States); Smith, A.L. **Source:** *Advances in Experimental Medicine and Biology*, v 342, p 371-376, 1994

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

367. XORTX launches XRx-101, a new programme to treat coronavirus COVID-19 infection.

Source: *globenewswire*, 16 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

368. Detection of coronavirus RNA in CNS tissue of multiple sclerosis and control patients

Murray, R.S. (Rocky Mountain Multiple Sclerosis Center, Univ. of Colorado Health Sciences Center, Denver, CO, United States); MacMillan, B.; Cabirac, G.; Burks, J.S. **Source:** *Advances in Experimental Medicine and Biology*, v 276, p 505-510, 1990

Database: Chimica

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Data Provider: Engineering Village

369. US Regional Biocontainment Lab to begin testing of Brilacidin against coronavirus (COVID-19) next week.

Source: *globenewswire*, 10 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

370. Isolation and characterization of viruses related to the SARS coronavirus from animals in Southern China (Open Access)

Guan, Y. (Department of Microbiology, University of Hong Kong, Queen Mary Hospital, Hong Kong Spec. Admin. Reg. (S.A.R.), Hong Kong); Zheng, B.J.; He, Y.Q.; Liu, X.L.; Zhuang, Z.X.; Cheung, C.L.; Luo, S.W.; Li, P.H.; Zhang, L.J.; Guan, Y.J.; Butt, K.M.; Wong, K.L.; Chan, K.W.; Lim, W.; Shortridge, K.F.; Yuen, K.Y.; Peiris, J.S.M.; Poon, L.L.M.

Source: *Science*, v 302, n 5643, p 276-278, October 10, 2003

Database: Compendex

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

371. The protective role of cytotoxic T cells and interferon against coronavirus invasion of the brain

Lavi, E. (Division of Neuropathology, Dept. of Pathology/Laboratory Med., Pennsylvania Univ. Sch. of Medicine, Philadelphia, PA 19104-6079, United States); Wang, Q. **Source:** *Advances in Experimental Medicine and Biology*, v 380, p 145-149, 1995

Database: Chimica

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372. Coronavirus infection and demyelination: Sequence conservation of the S- gene during persistent infection of Lewis-rats

Wege, H. (Institute of Diagnostic Virology, Fed. Res. Ctr. for Virus Anim. Dis., Friedrich-Loeffler-Institutes, D-17498 Isle of Riems, Germany); Stuhler, A.; Lassmann, H.; Wege, H. **Source:** *Advances in Experimental Medicine and Biology*, v 440, p 767-773, 1998

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

373. Design and synthesis of a series of serine derivatives as small molecule inhibitors of the SARS coronavirus 3CL protease

Konno, Hiroyuki (Department of Biological Engineering, Graduate School of Science and Technology, Yamagata University, Yonezawa, Yamagata, Japan); Wakabayashi, Masaki; Takanuma, Daiki; Saito, Yota; Akaji, Kenichi **Source:** *Bioorganic and Medicinal Chemistry*, v 24, n 6, p 1241-1254, March 15, 2016

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

374. Identification of 120 kD and 30 kD receptors for human coronavirus OC43 in cell membrane preparations from newborn mouse brain

Collins, A.R. (Department of Microbiology, State University of New York, Buffalo, NY, United States) **Source:** *Advances in Experimental Medicine and Biology*, v 380, p 387-390, 1995

Database: Chimica

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

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375. 2019 Novel coronavirus disease (COVID-19): Paving the road for rapid detection and point-of-care diagnostics

Nguyen, Trieu (Department of Biotechnology and Biomedicine, Technical University of Denmark, Kongens Lyngby; 2800, Denmark); Bang, Dang Duong; Wolff, Anders **Source:** *Micromachines*, v 11, n 3, p 1-7, 2020

Database: Compendex

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Data Provider: Engineering Village

376. Algernon explores the use of NP-120 (Ifenprodil) as a novel treatment for coronavirus.

Source: *globeNewswire*, 6 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

377. Portable chest X-ray in coronavirus disease-19 (COVID-19): A pictorial review (Open Access)

Jacobi, Adam (Department of Diagnostic, Molecular and Interventional Radiology, Icahn School of Medicine at Mount Sinai, New York, NY. 1 Gustave L. Levy Pl, Bix 1234, New York; NY; 10029, United States); Chung, Michael; Bernheim, Adam; Eber, Corey **Source:** *Clinical Imaging*, v 64, p 35-42, August 2020

Database: Compendex

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

378. QIAGEN receives US FDA EUA for QIAstat-Dx test kit, first and only syndromic solution integrating detection of SARS-CoV-2 coronavirus.

Source: *BioSpace*, 31 Mar 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

379. Rheonix Inc to launch rapid, fully automated coronavirus disease 2019 (COVID-19) assay.

Source: *BioSpace*, 19 Mar 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

380. A German company develops one of world's first commercial test for China coronavirus.

Source: *PR Newswire*, 4 Feb 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

381. CTK Biotech in San Diego, launches test kits for Coronavirus Disease 2019 (COVID-19).

Source: *PR Newswire*, 20 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

382. Progress of the small sample clinical trial of Ganovo and ritonavir combination therapy on novel coronavirus pneumonia.

Source: *PR Newswire*, 10 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

Compilation and indexing terms, Copyright 2020 Elsevier Inc.

Data Provider: Engineering Village

383. Sorrento develops STI-4398 (COVIDTRAP protein) for potential prevention and treatment of SARS-CoV-2 coronavirus disease (COVID-19).

Source: *globoNewsWire*, 20 Mar 2020 **Availability:** Website: <http://www.globenewswire.com>

Database: CBNB

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384. An isothermal, label-free, and rapid one-step RNA amplification/detection assay for diagnosis of respiratory viral infections

Koo, Bonhan (Department of Convergence Medicine, Asan Medical Center, University of Ulsan College of Medicine, Biomedical Engineering Research Center, Asan Institute of Life Sciences, Asan Medical Center, 88 Olympic-ro-43gil, Songpa-gu, Seoul, Korea, Republic of); Jin, Choong Eun; Lee, Tae Yoon; Lee, Jeong Hoon; Park, Mi Kyung; Sung, Heungsup; Park, Se Yoon; Lee, Hyun Jung; Kim, Sun Mi; Kim, Ji Yeun; Kim, Sung-Han; Shin, Yong **Source:** *Biosensors and Bioelectronics*, v 90, p 187-194, April 15, 2017

Database: Chimica

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385. Mesa Biotech developing molecular point-of-care (PCR) diagnostic test for novel coronavirus (COVID-19).

Source: *PR Newswire*, 4 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

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Data Provider: Engineering Village

386. German company Pharmact AG develops a point-of-care rapid test for the detection of the coronavirus (SARS-CoV-2).

Source: *PR Newswire*, 10 Mar 2020 **Availability:** Website: <https://prnmedia.prnewswire.com/>

Database: CBNB

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Source: *Chemical Business News Base (CBNB)*, 13 Feb 2020 **Availability:** Denka, website: <http://www.denka.co.jp/eng/top.htm>

Database: CBNB

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388. Primary characterization of SARS coronavirus (Frankfurt 1 strain)

Agafonov, A.P. (Ts. Virusol. i Biotekhn. 'Vektor', Kol'tsovo, Novosibirskaya oblast', Russia); Gus'kov, A.A.; Ternovoj, V.A.; Ryabchikova, E.I.; Durymanov, A.G.; Vinogradov, I.V.; Maksimov, N.L.; Ignat'ev, G.M.; Nachaeva, E.A.; Netesov, S.V. **Source:** *Doklady Akademii Nauk*, v 394, n 4, p 566-568, 2004 **Language:** Russian

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389. Primary characterization of SARS coronavirus (Frankfurt 1 strain)

Agafonov, A.P. (Ts. Virusol. i Biotekhn. 'Vektor', Kol'tsovo, Novosibirskaya oblast', Russia); Gus'kov, A.A.; Ternovoj, V.A.; Ryabchikova, E.I.; Durymanov, A.G.; Vinogradov, I.V.; Maksimov, N.L.; Ignat'ev, G.M.; Nachaeva, E.A.; Netesov, S.V. **Source:** *Doklady Akademii Nauk*, v 394, n 4, p 566-568, 2004 **Language:** Russian

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Publication date: 29 May 2003 **Availability:** Altachem Pharma Ltd, 17215, 108 Avenue, NW Edmonton, AB T5S 1G2, Canada, Tel: +1 780 448 1400, Fax: +1 780 416 0324, E-mail: altachempharma@altachempharma.com, Website: <http://www.altachempharma.com>

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Li, Wendong (Institute of Zoology, Chinese Academy of Sciences (CAS), Beijing, China); Shi, Zhengli; Yu, Meng; Ren, Wuzhe; Smith, Craig; Epstein, Jonathan H.; Wang, Hanzhong; Cramer, Gary; Hu, Zhihong; Zhang, Huajun; Zhang, Jianhong; McEachern, Jennifer; Field, Hume; Daszak, Peter; Eaton, Bryan T.; Zhang, Shuyi; Wang, Lin-Fa **Source:** *Science*, v 310, n 5748, p 676-679, October 28, 2005

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392. LANXESS product Rely+On Virkon effective against coronavirus.

Source: *Chemical Business News Base (CBNB)*, 3 Feb 2020 **Availability:** Lanxess, website: <http://lanxess.com/>

Database: CBNB

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393. Novacyt launches novel coronavirus test.

Source: *Manufacturing Chemist*, v 91, n 2, p 10, Feb 2020 **Availability:** Website: <http://www.manufacturingchemist.com>

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Source: *BioSpace*, 9 Mar 2020 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

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Source: *BioSpace*, 7 Apr 2020 **Availability:** Website: <http://www.biospace.com>

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Source: *Chemical and Engineering News*, v 98, n 9, p 19, 9 Mar 2020 **Availability:** Website: <http://www.cen-online.org>

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Source: *Chemie Aktuell*, 16 Mar 2020 **Language:** German **Availability:** Website: <http://www.maerkte-weltweit.de>

Database: CBNB

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Source: *Chemical and Engineering News*, v 98, n 5, p 11, 3 Feb 2020 **Availability:** Website: <http://www.cen-online.org>

Database: CBNB

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Keenan, K. P.; Binn, L. N.; Takeuchi, A. (Walter Reed Army Inst of Research Washington DC), 6p, 1979

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Source: *Chemical Business News Base (CBNB)*, 13 Mar 2020 **Availability:** Eni, website: <http://www.eni.com/>

Database: CBNB

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401. Detection of severe acute respiratory syndrome (SARS) coronavirus nucleocapsid protein in human serum using a localized surface plasmon coupled fluorescence fiber-optic biosensor

Huang, Jason C. (Department of Biotechnology, Laboratory Science in Medicine, National Yang-Ming University, Taipei, 112, Taiwan); Chang, Ying-Feng; Chen, Kuan-Hsuan; Su, Li-Chen; Lee, Chun-Wei; Chen, Chii-Chang; Chen, Yi-Ming Arthur; Chou, Chien **Source:** *Biosensors and Bioelectronics*, v 25, n 2, p 320-325, October 15, 2009

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402. Regulation of IRF-3-dependent innate immunity by the papain-like protease domain of the severe acute respiratory syndrome coronavirus (Open Access)

Devaraj, Santhana G. (Department of Microbiology and Immunology, Institute for Human Infections and Immunity, University of Texas Medical Branch, Galveston, TX 77555-1019, United States); Wang, Nan; Chen, Zhongbin; Chen, Zihong; Tseng, Monica; Barretto, Naina; Lin, Rongtuan; Peters, Clarence J.; Tseng, Chien-Te K.; Baker, Susan C.; Li, Kui **Source:** *Journal of Biological Chemistry*, v 282, n 44, p 32208-32221, November 2, 2007

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Poon, Leo L.M. (Department of Microbiology, University of Hong Kong, Queen Mary Hospital, Pokfulam, Hong Kong, Hong Kong); Wong, On Kei; Luk, Winsie; Yuen, Kwok Yung; Peiris, Joseph S.M.; Guan, Yi **Source:** *Clinical Chemistry*, v 49, n 6, p 953-955, June 1, 2003

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Annan, Augustina (Kumasi Centre for Collaborative Research in Tropical Medicine, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana); Owusu, Michael; Marfo, Kwadwo Sarfo; Larbi, Richard; Sarpong, Francisca Naana; Adu-Sarkodie, Yaw; Amankwa, Joseph; Fiafemetsi, Samuel; Drosten, Christian; Owusu-Dabo, Ellis; Eckerle, Isabella **Source:** *Tropical Medicine and International Health*, v 20, n 6, p 807-812, June 1, 2015

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Chen, Zeliang (Inst. of Microbiol. and Epidemiology, Academy of Military Medical Sciences, Beijing 100071, China); Pei, Decui; Jiang, Lingxiao; Song, Yajun; Wang, Jin; Wang, Hongxia; Zhou, Dongsheng; Zhai, Junhui; Du, Zongmin; Li, Bei; Qiu, Maofeng; Han, Yanping; Guo, Zhaobiao; Yang, Ruifu **Source:** *Clinical Chemistry*, v 50, n 6, p 988-995, June 2004

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Hui-Ping Chang (Dept. of Life Sci., Nat. Yang-Ming Univ., Taipei, Taiwan); Chi-Yuan Chou; Gu-Gang Chang **Source:** *Biophysical Journal*, v 92, n 4, p 1374-83, 15 Feb. 2007

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Wang, Jingqiang (Beijing Genomics Institute (BGI), Chinese Academy of Sciences, I-Zone, Shunyi, Beijing 101300, China); Wen, Jie; Li, Jingxiang; Yin, Jianning; Zhu, Qingyu; Wang, Hao; Yang, Yongkui; Qin, E'de; You, Bo; Li, Wei; Li, Xiaolei; Huang, Shengyong; Yang, Ruifu; Zhang, Xumin; Yang, Ling; Zhang, Ting; Yin, Ye; Cui, Xiaodai; Tang, Xiangjun; Wang, Luoping; He, Bo; Ma, Lianhua; Lei, Tingting; Zeng, Changqing; Fang, Jianqiu; Yu, Jun; Wang, Jian; Yang, Huanming; West, Matthew B.; Bhatnagar, Aruni; Lu, Youyong; Xu, Ningzhi; Liu, Siqi **Source:** *Clinical Chemistry*, v 49, n 12, p 1989-1996, December 2003

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Roh, Changyun (Radiation Research Division for Biotechnology, Advanced Radiation Technology Institute (ARTI), Korea Atomic Energy Research Institute (KAERI), 1266, Sinjeong-dong, Jeongeup, Jeonbuk 580-185, Korea, Republic of); Jo, Sung Kee **Source:** *Journal of Chemical Technology and Biotechnology*, v 86, n 12, p 1475-1479, December 2011

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Liang, Yunfei (Institute of Immunology, PLA, Third Military Medical University, Shapingba District, Chongqing 400038, China); Wan, Ying; Qiu, Li-Wen; Zhou, Jingran; Ni, Bing; Guo, Bo; Zou, Qiang; Zou, Liyun; Zhou, Wei; Jia, Zhengcai; Che, Xiao-Yan; Wu, Yuzhang **Source:** *Clinical Chemistry*, v 51, n 8, p 1382-1396, August 2005

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Yang, Qingang (Shanghai Institute of Materia Medica, Chinese Academy of Sciences, 555 Zuchongzhi Road, Shanghai 201203, China); Chen, Lili; He, Xuchang; Gao, Zhenting; Shen, Xu; Bai, Donglu **Source:** *Chemical and Pharmaceutical Bulletin*, v 56, n 10, p 1400-1405, October 2008

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Huang, J.C. (Dept. of Biotechnol., Nat. Yang-Ming Univ., Taipei, Taiwan); Ying-Feng Chang; Kuan-Hsuan Chen; Li-Chen Su; Chun-Wei Lee; Chii-Chang Chen; Chen, Y.-M.A.; Chien Chou **Source:** *Biosensors & Bioelectronics*, v 25, n 2, p 320-5, 15 Oct. 2009

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Cinatl Jr., J. (Institute for Medical Virology, Johann Wolfgang Goethe Univ. Hosp., Paul-Ehrlich Str. 40, 60596 Frankfurt am Main, Germany); Hoever, G.; Morgenstern, B.; Preiser, W.; Vogel, J.-U.; Hofmann, W.-K.; Bauer, G.; Michaelis, M.; Rabenau, H.F.; Doerr, H.W. **Source:** *Cellular and Molecular Life Sciences*, v 61, n 16, p 2100-2112, August II 2004

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Cinatl Jr, J. (Institute for Medical Virology, Johann Wolfgang Goethe University Hospital, Paul-Ehrlich Str. 40, Frankfurt am Main; 60596, Germany); Hoeber, G.; Morgenstern, B.; Preiser, W.; Vogel, J.-U.; Hofmann, W.-K.; Bauer, G.; Michaelis, M.; Rabenau, H.F.; Doerr, H.W. **Source:** *Cellular and Molecular Life Sciences*, v 61, n 16, p 2100-2112, August 1, 2004

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Kamel Boulos, Maged N. (School of Information Management, Sun Yat-sen University, East Campus, Guangzhou, Guangdong; 510006, China); Geraghty, Estella M. **Source:** *International Journal of Health Geographics*, v 19, n 1, 2020

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Migault, C. (CHU Reims, Hôpital Robert Debré, Unité des Maladies Infectieuses et Tropicales, Reims; F-51092, France); Kanagaratnam, L.; Hentzien, M.; Giltat, A.; Nguyen, Y.; Brunet, A.; Thibault, M.; Legall, A.; Drame, M.; Bani-Sadr, F. **Source:** *Public Health*, v 173, p 29-32, August 2019

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Dyall, Julie (Integrated Research Facility, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Frederick, MD, United States); Coleman, Christopher M.; Hart, Brit J.; Venkataraman, Thiagarajan; Holbrook, Michael R.; Kindrachuk, Jason; Johnson, Reed F.; Olinger Jr., Gene G.; Jahrling, Peter B.; Laidlaw, Monique; Johansen, Lisa M.; Lear-Rooney, Calli M.; Glass, Pamela J.; Hensley, Lisa E.; Frieman, Matthew B. **Source:** *Antimicrobial Agents and Chemotherapy*, v 58, n 8, p 4885-4893, August 2014

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Poon, Leo L.M. (Department of Microbiology, University of Hong Kong, Hong Kong, Hong Kong); Chan, Kwok Hung; Wong, O. Kei; Cheung, Timothy K.W.; Ng, Iris; Zheng, Bojian; Seto, Wing Hong; Yuen, Kwok Yung; Guan, Y.; Peiris, Joseph S.M. **Source:** *Clinical Chemistry*, v 50, n 1, p 67-72, January 2004

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Chou, Chih-Fong (Institute of Molecular and Cell Biology, Proteos, Singapore 138673, Singapore); Shen, Shuo; Mahadevappa, Geetha; Lim, Seng Gee; Hong, Wanjin; Tan, Yee-Joo **Source:** *Analytical Biochemistry*, v 366, n 2, p 190-196, July 15, 2007

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Wei Lu (Lab. of Molecular Virology, Chinese Acad. of Sci., Shanghai, China); Bo-Jian Zheng; Ke Xu; Schwarz, W.; Du, L.; Wong, C.K.L.; Jiadong Chen; Shuming Duan; Deubel, V.; Bing Sun **Source:** *Proceedings of the National Academy of Sciences of the United States of America*, v 103, n 33, p 12540-5, 15 Aug. 2006

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Meher, Geetanjali (School of Chemistry, Sambalpur University, Jyoti Vihar, Burla, Odisha; 768 019, India); Bhattacharjya, Surajit; Chakraborty, Hiralak **Source:** *Journal of Physical Chemistry B*, v 123, n 50, p 10654-10662, December 19, 2019

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Meher, Geetanjali (School of Chemistry, Sambalpur University, Jyoti Vihar, Burla, Odisha; 768 019, India); Bhattacharjya, Surajit; Chakraborty, Hiralak **Source:** *Journal of Physical Chemistry B*, v 123, n 50, p 10654-10662, December 19, 2019

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Chang, Ying-Feng (Institute of Biophotonics, National Yang-Ming University, Taipei, 112, Taiwan); Huang, Jason C.; Su, Li-Chen; Chen, Yi-Ming Arthur; Chen, Chii-Chang; Chou, Chien **Source:** *2009 14th OptoElectronics and Communications Conference, OECC 2009, 2009, 2009 14th OptoElectronics and Communications Conference, OECC 2009*

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Ying-Feng Chang (Inst. of Biophotonics, Nat. Yang-Ming Univ., Taipei, Taiwan); Huang, J.C.; Li-Chen Su; Chen, Y.-M.A.; Chii-Chang Chen; Chien Chou **Source:** *2009 14th OptoElectronics and Communications Conference (OECC)*, p 2 pp., 2009

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Liao, Hsiang-I. (Department of Molecular and Medical Pharmacology, UCLA, 650 Charles E. Young Dr. South, Los Angeles, CA 90095, United States); Olson, C. Anders; Hwang, Seungmin; Deng, Hongyu; Wong, Elaine; Baric, Ralph S.; Roberts, Richard W.; Sun, Ren **Source:** *Journal of Biological Chemistry*, v 284, n 26, p 17512-17520, June 26, 2009

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Sirinarumitr, Theerapol (Iowa State University, College of Veterinary Medicine, Vet. Medical Research Institute, Ames, IA 50011, United States); Paul, Prem S.; Halbur, Patrick G.; Kluge, John P. **Source:** *Advances in Experimental Medicine and Biology*, v 412, p 37-46, 1997

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Ng, Enders K.O. (Department of Chemical Pathology, Chinese University of Hong Kong, Prince of Wales Hospital, Hong Kong SAR, China); Hui, David S.; Chan, K.C. Allen; Hung, Emily C.W.; Chiu, Rossa W.K.; Lee, Nelson; Wu, Alan; Chim, Stephen S.C.; Tong, Yu K.; Sung, Joseph J.Y.; Tam, John S.; Lo, Y.M. Dennis **Source:** *Clinical Chemistry*, v 49, n 12, p 1976-1980, December 2003

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Hsu, You-Ren (Institute of Nanoengineering and Microsystems, National Tsing Hua University, Hsinchu, 300, Taiwan); Lee, Geng-Yen; Chyi, Jen-Inn; Chang, Chung-Ke; Huang, Chih-Cheng; Hsu, Chen-Pin; Huang, Tai-Huang; Ren, Fan; Wang, Yu-Lin **Source:** *ECS Transactions*, v 50, n 6, p 239-243, 2012, *Low-Dimensional Nanoscale Electronic and Low-Dimensional Nanoscale Electronic and on Compound Semiconductors 54, SOTAPOCS 2012*

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Lessler, Justin (Bloomberg School of Public Health, Johns Hopkins University, Baltimore; MD, United States); Salje, Henrik; Van Kerkhove, Maria D.; Ferguson, Neil M.; Cauchemez, Simon; Rodriguez-Barrquer, Isabel; Hakeem, Rafat; Jombart, Thibaut; Aguas, Ricardo; Al-Barrak, Ali; Cummings, Derek A.T. **Source:** *American Journal of Epidemiology*, v 183, n 7, p 657-663, April 1, 2016

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Wang, X.W. (Intitute of Hygiene and Environmental Medicine, Academy of Military Medical Sciences, 1 Da Li Road, Tiajin 300050, China); Li, J.; Guo, T.; Zhen, B.; Kong, Q.; Yi, B.; Li, Z.; Song, N.; Jin, M.; Xiao, W.; Zhu, X.; Gu, C.; Yin, J.; Wei, W.; Yao, W.; Liu, C.; Li, J.; Ou, G.; Wang, M.; Fang, T.; Wang, G.; Qiu, Y.; Wu, H.; Chao, F.; Li, J. **Source:** *Water Science and Technology*, v 52, n 8, p 213-221, 2005

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Lu, I-Lin (Graduate Institute of Life Sciences, National Defense Medical Center, Taipei, Taiwan); Mahindroo, Neeraj; Liang, Po-Huang; Peng, Yi-Hui; Kuo, Chih-Jung; Tsai, Keng-Chang; Hsieh, Hsing-Pang; Chao, Yu-Sheng; Wu, Su-Ying **Source:** *Journal of Medicinal Chemistry*, v 49, n 17, p 5154-5161, August 24, 2006

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St. John, Sarah E. (Department of Biological Sciences, Purdue University, West Lafayette; IN, United States); Tomar, Sakshi; Stauffer, Shaun R.; Mesecar, Andrew D. **Source:** *Bioorganic and Medicinal Chemistry*, v 23, n 17, p 6036-6048, September 1, 2015

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Callebaut, P. (Laboratory of Virology, Faculty of Veterinary Medicine, University of Gent, Casinoplein 24, B-9000 Gent, Belgium); Pensaert, M. **Source:** *Advances in Experimental Medicine and Biology*, v 380, p 265-270, 1995

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Liu, Qi (Key Lab of Medical Molecular Virology of MOE/MOH, Shanghai Medical College, Fudan University, Xuhui District, Shanghai, China); Xia, Shuai; Sun, Zhiwu; Wang, Qian; Du, Lanying; Lu, Lu; Jianga, Shibo
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Choy, Wai-Yan (Molecular Biotechnology Program, Department of Biology, Chinese University of Hong Kong, Shatin, Hong Kong); Lin, Shu-Guang; Chan, Paul Kay-Sheung; Tam, John Siu-Lun; Lo, Y.M. Dennis; Chu, Ida Miu-Ting; Tsai, Sau-Na; Zhong, Ming-Qi; Fung, Kwok-Pui; Waye, Mary Miu-Yee; Tsui, Stephen Kwok-Wing; Ng, Kai-On; Shan, Zhi-Xin; Yang, Min; Wu, Yi-Long; Lin, Zhan-Yi; Ngai, Sai-Ming
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Poon, Leo L.M. (Department of Microbiology, Queen Mary Hospital, University of Hong Kong, Hong Kong); Leung, Cynthia S.W.; Tashiro, Masato; Chan, Kwok Hung; Wong, Bonnie W.Y.; Yuen, Kwok Yung; Guan, Yi; Peiris, Joseph S.M.
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Tao, Shengce (Lab. of Biomembrane, Dept. of Biol. Sci., Tsinghua Univ., Beijing 100084, China); Yang, Renquan; Li, Ze; Zhang, Zhiwei; Zhou, Yiming; Zhang, Qiong; Zhu, Peixuan; Du, Jianyu; Zhao, Chuanzan; Ma, Qingmei; Ren, Lili; Wang, Can; Jiang, Di; Liu, Yanhua; Yang, Huawei; Rong, Li; An, Shuang; Li, Zhe; Wang, Jianwei; Cheng, Yun; Liu, Ou; Zheng, Zhong; Zuo, Huancong; Shan, Quanzhong; Ruan, Li; Lu, Zhanxiu; Hong, Tao; Cheng, Jing **Source:** *Qinghua Daxue Xuebao/Journal of Tsinghua University*, v 43, n 5, p 715-720, May 2003 **Language:** Chinese

Database: Compendex

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Data Provider: Engineering Village

440. Generating vesicular stomatitis virus pseudotype bearing the severe acute respiratory syndrome coronavirus spike envelope glycoprotein for rapid and safe neutralization test or cell-entry assay

Ge, Jinying (National Key Laboratory of Veterinary Biotechnology, Harbin Veterinary Research Institute, Chinese Academy of Agricultural Science, Harbin 150001, China); Wen, Zhiyun; Wang, Xijun; Hu, Sen; Liu, Yonggang; Kong, Xiangang; Chen, Hualan; Bu, Zhigao **Source:** *Annals of the New York Academy of Sciences*, v 1081, p 246-248, October 2006, *Impact of Emerging Zoonotic Diseases on Animal Health: 8th Biennial Conference of the Society for Tropical Veterinary Medicine*

Database: Chimica

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441. A Case Study Evaluating the Risk of Infection from Middle Eastern Respiratory Syndrome Coronavirus (MERS-CoV) in a Hospital Setting Through Bioaerosols

Adhikari, Umesh (Department of Biosystems and Agricultural Engineering, Michigan State University, East Lansing; MI, United States); Chabrelie, Alexandre; Weir, Mark; Boehnke, Kevin; McKenzie, Erica; Ikner, Luisa; Wang, Meng; Wang, Qing; Young, Kyana; Haas, Charles N.; Rose, Joan; Mitchell, Jade **Source:** *Risk Analysis*, v 39, n 12, p 2608-2624, December 1, 2019

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442. Detection and monitoring of SARS coronavirus in the plasma and peripheral blood lymphocytes of patients with severe acute respiratory syndrome

Wang, Haibin (Department of Laboratory Medicine, Beijing 302 Hospital, Beijing, China); Mao, Yuanli; Ju, Liancai; Zhang, Jing; Liu, Zhiguo; Zhou, Xianzhi; Li, Qinghong; Wang, Yuedong; Kim, Sunghee; Zhang, Lurong **Source:** *Clinical Chemistry*, v 50, n 7, p 1237-1240, July 2004

Database: Chimica

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443. Interferon-Beta 1a and SARS Coronavirus Replication

Hensley, L. E.; Fritz, E. A.; Jahrling, P. B.; Karp, C. L.; Huggins, J. W. (Children's Hospital Medical Center, Cincinnati, OH.), 4p, Feb 2004

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444. Quantitative and sensitive detection of SARS coronavirus nucleocapsid protein using quantum dots-conjugated RNA aptamer on chip

Roh, Changyun (Radiation Research Division for Biotechnology, Advanced Radiation Technology Institute (ARTI), Korea Atomic Energy Research Institute (KAERI), 1266, Sinjeong-dong, Jeongeup, Jeonbuk 580-185, Korea, Republic of); Jo, Sung Kee **Source:** *Journal of Chemical Technology and Biotechnology*, v 86, n 12, p 1475-1479, December 2011

Database: Compendex

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445. Detection of severe acute respiratory syndrome (SARS) coronavirus nucleocapsid protein in human serum using a localized surface plasmon coupled fluorescence fiber-optic biosensor

Huang, Jason C. (Department of Biotechnology, Laboratory Science in Medicine, National Yang-Ming University, Taipei, 112, Taiwan); Chang, Ying-Feng; Chen, Kuan-Hsuan; Su, Li-Chen; Lee, Chun-Wei; Chen, Chii-Chang; Chen, Yi-Ming Arthur; Chou, Chien **Source:** *Biosensors and Bioelectronics*, v 25, n 2, p 320-325, October 15, 2009

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446. The SARS coronavirus nucleocapsid protein induces actin reorganization and apoptosis in COS-1 cells in the absence of growth factors

Surjit, Milan (Virology Group, Intl. Ctr. for Genetic Eng./Biotech., Aruna Asaf Ali Road, New Delhi 110067, India); Liu, Boping; Jameel, Shahid; Chow, Vincent T. K.; Lal, Sunil K. **Source:** *Biochemical Journal*, v 383, n 1, p 13-18, October 1, 2004

Database: Compendex

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447. Influenza as a model system for studying the cross-species transfer and evolution of the SARS coronavirus

Bush, Robin M. (Dept. of Ecol. and Evol. Biology, 321 Steinhaus, University of California, Irvine, CA 92697, United States) **Source:** *Philosophical Transactions of the Royal Society of London Series B Biological Sciences*, v 359, n 1447, p 1067-1073, July 29, 2004

Database: GEOBASE

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448. Determination of SARS-coronavirus by a microfluidic chip system

Xiaomian Zhou (Dalian Inst. of Chem. Phys., Dalian, China); Dayu Liu; Runtao Zhong; Zhongpeng Dai; Dapeng Wu; Hui Wang; Yuguang Du; Zhinan Xia; Liping Zhang; Xiaodai Mei; Bingcheng Lin **Source:** *Electrophoresis*, v 25, n 17, p 3032-9, Sept. 2004

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Copyright 2004, IEE

Data Provider: Engineering Village

449. Maturation mechanism of severe acute respiratory syndrome (SARS) coronavirus 3C-like proteinase (Open Access)

Li, Chunmei (Beijing National Laboratory for Molecular Science, College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, China); Qi, Yifei; Teng, Xin; Yang, Zongchang; Wei, Ping; Zhang, Changsheng; Tan, Lei; Zhou, Lu; Liu, Ying; Lai, Luhua **Source:** *Journal of Biological Chemistry*, v 285, n 36, p 28134-28140, September 3, 2010

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450. Dynamics of coronavirus infection in human

Rihan, F.A. (Dept. of Math. Sci., United Arab Emirates Univ., Al-Ain, United Arab Emirates); Al-Salti, N.S.; Anwar, M.-N.Y. **Source:** *AIP Conference Proceedings*, v 1982, p 020009 (7 pp.), 27 July 2018

Database: Inspec

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Data Provider: Engineering Village

451. Isolation and characterization of a bat SARS-like coronavirus that uses the ACE2 receptor

Ge, Xing-Yi (State Key Laboratory of Virology, Center for Emerging Infectious Diseases, Wuhan Institute of Virology, Wuhan 430071, China); Li, Jia-Lu; Yang, Xing-Lou; Chmura, Aleksei A.; Zhu, Guangjian; Epstein, Jonathan H.; Mazet, Jonna K.; Hu, Ben; Zhang, Wei; Peng, Cheng; Zhang, Yu-Ji; Luo, Chu-Ming; Tan, Bing; Wang, Ning; Zhu, Yan; Cramer, Gary; Zhang, Shu-Yi; Wang, Lin-Fa; Daszak, Peter; Shi, Zheng-Li **Source:** *Nature*, v 503, n 7477, p 535-538, 2013

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452. Erratum: Rapid diagnosis of a coronavirus associated with severe acute respiratory syndrome (International Journal of Laboratory Medicine and Molecular Diagnostics (2003) 49 (953-5))

Poon, Leo L.M. (Department of Microbiology, Queen Mary Hospital, University of Hong Kong, Hong Kong, Hong Kong); Wong, On Kei; Chan, Kwok Hung; Luk, Winsie; Yuen, Kwok Yung; Peiris, Joseph S.M.; Guan, Yi **Source:** *Clinical Chemistry*, v 49, n 7, p 1234, July 1, 2003

Database: Chimica

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453. Middle East respiratory syndrome coronavirus and bat coronavirus HKU9 both can utilize GRP78 for attachment onto host cells (Open Access)

Chu, Hin (Departments of Microbiology, Queen Mary Hospital, 102 Pokfulam Rd., Pokfulam, Hong Kong); Chan, Che-Man; Zhang, Xi; Wang, Yixin; Yuan, Shuofeng; Zhou, Jie; Au-Yeung, Rex Kwok-Him; Sze, Kong-Hung; Yang, Dong; Shuai, Huiping; Hou, Yuxin; Li, Cun; Zhao, Xiaoyu; Poon, Vincent Kwok-Man; Leung, Sze Pui; Yeung, Man-Lung; Yan, Jinghua; Lu, Guangwen; Jin, Dong-Yan; Gao, George Fu; Chan, Jasper Fuk-Woo; Yuen, Kwok-Yung **Source:** *Journal of Biological Chemistry*, v 293, n 30, p 11709-11726, July 27, 2018

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454. The genome sequence of the SARS-associated coronavirus

Marra, Marco A. (Brit. Columbia Cancer Agency (BCCA), Genome Sciences Centre, 600 West 10th Avenue, Vancouver, BC V5Z 4E6, Canada); Jones, Steven J. M.; Astell, Caroline R.; Holt, Robert A.; Brooks-Wilson, Angela; Butterfield, Yaron S. N.; Khattra, Jaswinder; Asano, Jennifer K.; Barber, Sarah A.; Chan, Susanna Y.; Cloutier, Alison; Coughlin, Shaun M.; Freeman, Doug; Girn, Noreen; Griffith, Obi L.; Leach, Stephen R.; Mayo, Michael; McDonald, Helen; Montgomery, Stephen B.; Pandoh, Pawan K.; Petrescu, Anca S.; Robertson, A. Gordon; Schein, Jacqueline E.; Siddiqui, Asim; Smailus, Duane E.; Stott, Jeff M.; Yang, George S.; Plummer, Francis; Andonov, Anton; Artsob, Harvey; Bastien, Nathatie; Bernard, Kathy; Booth, Timothy F.; Bowness, Donnie; Czub, Martin; Drebot, Michael; Fernando, Lisa; Flick, Ramon; Garbutt, Michael; Gray, Michael; Grolla, Allen; Jones, Steven; Feldmann, Heinz; Meyers, Adrienne; Kabani, Amin; Li, Yan; Normand, Susan; Stroher, Ute; Tipples, Graham A.; Tyler, Shaun; Vogrig, Robert; Ward, Diane; Watson, Brynn; Brunham, Robert C.; Kraiden, Mel; Petric, Martin; Skowronski, Danuta M.; Upton, Chris; Roper, Rachel L. **Source:** *Science*, v 300, n 5624, p 1399-1404, May 30, 2003

Database: Chimica

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Data Provider: Engineering Village

455. Human intestinal tract serves as an alternative infection route for Middle East respiratory syndrome coronavirus (Open Access)

Zhou, Jie (State Key Laboratory of Emerging Infectious Diseases, University of Hong Kong, Hong Kong, China); Li, Cun; Zhao, Guangyu; Chu, Hin; Wang, Dong; Yan, Helen Hoi-Ning; Poon, Vincent Kwok-Man; Wen, Lei; Wong, Bosco Ho-Yin; Zhao, Xiaoyu; Chiu, Man Chun; Yang, Dong; Wang, Yixin; Au-Yeung, Rex K. H.; Chan, Ivy Hau-Yee; Sun, Shihui; Chan, Jasper Fuk-Woo; To, Kelvin Kai-Wang; Memish, Ziad A.; Corman, Victor M.; Drosten, Christian; Hung, Ivan Fan-Ngai; Zhou, Yusen; Leung, Suet Yi; Yuen, Kwok-Yung **Source:** *Science Advances*, v 3, n 11, 2017

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456. Preparation and application of SARS-associated coronavirus spike protein antibodies

Xu, Wen-Ge (China Inst. of Atomic Energy, P.O. Box 275-39, Beijing 102413, China); Liu, Yi-Bing; Han, Shi-Quan; Hu, Yi-Ding; Luo, Zhi-Fu **Source:** *Yuanzineng Kexue Jishu/Atomic Energy Science and Technology*, v 39, n 2, p 101-105, March 2005 **Language:** Chinese

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Data Provider: Engineering Village

457. The severe acute respiratory syndrome (SARS) coronavirus NTPase/helicase belongs to a distinct class of 5' to 3' viral helicases (Open Access)

Tanner, Julian A. (Department of Biochemistry, Faculty of Medicine, University of Hong Kong, Pokfulam, Hong Kong S. A. R., Hong Kong); Watt, Rory M.; Chai, Yu-Bo; Lu, Lin-Yu; Lin, Marie C.; Peiris, J.S. Malik; Poon, Leo L. M.; Kung, Hsiang-Fu; Huang, Jian-Dong **Source:** *Journal of Biological Chemistry*, v 278, n 41, p 39578-39582, October 10, 2003

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458. Detection of feline coronavirus using microcantilever sensors

Velanki, S. (Chem. Program, Louisiana Tech Univ., Ruston, LA, United States); Hai-Feng Ji **Source:** *Measurement Science & Technology*, v 17, n 11, p 2964-8, Nov. 2006

Database: Inspec

Copyright 2006, The Institution of Engineering and Technology

Data Provider: Engineering Village

459. Isolation and characterization of viruses related to the SARS coronavirus from animals in Southern China

Guan, Y. (Department of Microbiology, University of Hong Kong, Queen Mary Hospital, Hong Kong Spec. Admin. Reg. (S.A.R.), Hong Kong); Zheng, B.J.; He, Y.Q.; Liu, X.L.; Zhuang, Z.X.; Cheung, C.L.; Luo, S.W.; Li, P.H.; Zhang, L.J.; Guan, Y.J.; Butt, K.M.; Wong, K.L.; Chan, K.W.; Lim, W.; Shortridge, K.F.; Yuen, K.Y.; Peiris, J.S.M.; Poon, L.L.M.

Source: *Science*, v 302, n 5643, p 276-278, October 10, 2003

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460. Detection of a respiratory coronavirus from tissues archived during a pneumonia epizootic in free-ranging pacific harbor seals *Phoca vitulina richardsii*

Nollens, Hendrik H. (Marine Mammal Health Program, College of Veterinary Medicine, University of Florida, Gainesville, FL 32610, United States); Wellehan, James F. X.; Archer, Linda; Lowenstine, Linda J.; Gulland, Frances M. D. **Source:** *Diseases of Aquatic Organisms*, v 90, n 2, p 113-120, June 11, 2010

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461. Concentration and detection of SARS coronavirus in sewage from Xiao Tang Shan hospital and the 309th Hospital of the Chinese People's Liberation Army

Wang, X.W. (Intitute of Hygiene and Environmental Medicine, Academy of Military Medical Sciences, 1 Da Li Road, Tiajin 300050, China); Li, J.; Guo, T.; Zhen, B.; Kong, Q.; Yi, B.; Li, Z.; Song, N.; Jin, M.; Xiao, W.; Zhu, X.; Gu, C.; Yin, J.; Wei, W.; Yao, W.; Liu, C.; Li, J.; Ou, G.; Wang, M.; Fang, T.; Wang, G.; Qiu, Y.; Wu, H.; Chao, F.; Li, J. **Source:** *Water Science and Technology*, v 52, n 8, p 213-221, 2005

Database: Compendex

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462. Molecular dynamics of Middle East Respiratory Syndrome Coronavirus (MERS CoV) fusion heptad repeat trimers

Kandeel, Mahmoud (Department of Physiology, Biochemistry and Pharmacology, Faculty of Veterinary Medicine, King Faisal University, Alhofuf; Alahsa, Saudi Arabia); Al-Taher, Abdulla; Li, Huifang; Schwingenschlogl, Udo; Al-Nazawi, Mohamed **Source:** *Computational Biology and Chemistry*, v 75, p 205-212, August 2018

Database: Compendex

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463. Molecular dynamics of Middle East Respiratory Syndrome Coronavirus (MERS CoV) fusion heptad repeat trimers

Kandeel, Mahmoud (Department of Physiology, Biochemistry and Pharmacology, Faculty of Veterinary Medicine, King Faisal University, Alhofuf; Alahsa, Saudi Arabia); Al-Taher, Abdulla; Li, Huifang; Schwingenschlogl, Udo; Al-Nazawi, Mohamed **Source:** *Computational Biology and Chemistry*, v 75, p 205-212, August 2018

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464. The SARS coronavirus: Rapid diagnostics in the limelight

McIntosh, Kenneth (Department of Pediatrics, Children's Hospital, Harvard Medical School, Boston, MA 02115, United States) **Source:** *Clinical Chemistry*, v 49, n 6, p 845-846, June 1, 2003

Database: Chimica

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465. Novel system for detecting SARS coronavirus nucleocapsid protein using an ssDNA aptamer

Cho, Seong-Je (Department of Bio and Nanochemistry, Kookmin University, Seoul 136-702, Korea, Republic of); Woo, Hye-Min; Kim, Ki-Sun; Oh, Jong-Won; Jeong, Yong-Joo **Source:** *Journal of Bioscience and Bioengineering*, v 112, n 6, p 535-540, December 2011

Database: Chimica

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466. The transmembrane oligomers of coronavirus protein E

Torres, J. (Sch. of Biol. Sci., Nanyang Technol. Univ., Singapore, Singapore); Jifeng Wang; Parthasarathy, K.; Ding Xiang Liu **Source:** *Biophysical Journal*, v 88, n 2, p 1283-90, Feb. 2005

Database: Inspec

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Data Provider: Engineering Village

467. Determination of SARS-coronavirus by a microfluidic chip system

Zhou, Xiaomian (Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian 116023, China); Liu, Dayu; Zhong, Runtao; Dai, Zhongpeng; Wu, Dapeng; Wang, Hui; Du, Yuguang; Xia, Zhinan; Zhang, Liping; Mei, Xiaodai; Lin, Bingcheng **Source:** *Electrophoresis*, v 25, n 17, p 3032-3039, September 2004

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468. Lonza Inc issues guidance on infection control regarding novel Coronaviruses (nCoV), including the Middle East Respiratory Syndrome Coronavirus (MERS-CoV).

Source: *BioSpace*, 29 Aug 2013 **Availability:** Website: <http://www.biospace.com>

Database: CBNB

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469. Coronavirus Nsp10, a critical co-factor for activation of multiple replicative enzymes (Open Access)

Bouvet, Mickaël (Aix-Marseille Université, AFMB UMR 7257, Marseille; 13288, France); Lugari, Adrien; Posthuma, Clara C.; Zevenhoven, Jessika C.; Bernard, Stéphanie; Betzi, Stéphane; Imbert, Isabelle; Canard, Bruno; Guillemot, Jean-Claude; Lécine, Patrick; Pfefferle, Susanne; Drosten, Christian; Snijder, Eric J.; Decroly, Etienne; Morelli, Xavier **Source:** *Journal of Biological Chemistry*, v 289, n 37, p 25783-25796, September 12, 2014

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470. The genome sequence of the SARS-associated coronavirus

Marra, Marco A. (Brit. Columbia Cancer Agency (BCCA), Genome Sciences Centre, 600 West 10th Avenue, Vancouver, BC V5Z 4E6, Canada); Jones, Steven J. M.; Astell, Caroline R.; Holt, Robert A.; Brooks-Wilson, Angela; Butterfield, Yaron S. N.; Khattra, Jaswinder; Asano, Jennifer K.; Barber, Sarah A.; Chan, Susanna Y.; Cloutier, Alison; Coughlin, Shaun M.; Freeman, Doug; Girn, Noreen; Griffith, Obi L.; Leach, Stephen R.; Mayo, Michael; McDonald, Helen; Montgomery, Stephen B.; Pandoh, Pawan K.; Petrescu, Anca S.; Robertson, A. Gordon; Schein, Jacqueline E.; Siddiqui, Asim; Smailus, Duane E.; Stott, Jeff M.; Yang, George S.; Plummer, Francis; Andonov, Anton; Artsob, Harvey; Bastien, Nathatie; Bernard, Kathy; Booth, Timothy F.; Bowness, Donnie; Czub, Martin; Drebot, Michael; Fernando, Lisa; Flick, Ramon; Garbutt, Michael; Gray, Michael; Grolla, Allen; Jones, Steven; Feldmann, Heinz; Meyers, Adrienne; Kabani, Amin; Li, Yan; Normand, Susan; Stroher, Ute; Tipples, Graham A.; Tyler, Shaun; Vogrig, Robert; Ward, Diane; Watson, Brynn; Brunham, Robert C.; Kraiden, Mel; Petric, Martin; Skowronski, Danuta M.; Upton, Chris; Roper, Rachel L. **Source:** *Science*, v 300, n 5624, p 1399-1404, May 30, 2003

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471. Verbesserung der Diagnostik humaner Coronavirusinfektionen. Schlussbericht. (Improvements in the diagnostics of human coronavirus infections. Final report)

Siddell, S.G. (Wuerzburg Univ. (DE). Inst. fuer Virologie und Immunbiologie.), 22p, 1993 **Language:** German

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472. Expression of SARS-coronavirus nucleocapsid protein in Escherichia coli and Lactococcus lactis for serodiagnosis and mucosal vaccination

Pei, Huadong (State Key Laboratory of Microbial Resources, Institute of Microbiology, Chinese Academy of Sciences, Beijing, 100080, China); Liu, Jingfang; Cheng, Yun; Sun, Chaomin; Wang, Chen; Lu, Yueping; Ding, Jie; Zhou, Jian; Xiang, Hua **Source:** *Applied Microbiology and Biotechnology*, v 68, n 2, p 220-227, July 2005

Database: GEOBASE

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473. The 3a protein of SARS-coronavirus induces apoptosis in Vero E6 cells

Waye, M.M.Y. (Dept. of Biochem., Hong Kong Univ., Shatin, China); Law, P.T.W.; Chi-Hang Wong; Au, T.C.C.; Chi-Pang Chuck; Siu-Kai Kong; Chan, P.K.S.; Ka-Fai To; Lo, A.W.I.; Chan, J.Y.W.; Yick-Keung Suen; Chan, H.Y.E.; Kwok-Pui Fung; Sung, J.J.Y.; Lo, Y.M.D.; Tsui, S.K.W. **Source:** *2005 27th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (IEEE Cat. No.05CH37611C)*, p 4 pp., 2006

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474. RNA aptamer-based sensitive detection of SARS coronavirus nucleocapsid protein

Ahn, Dae-Gyun (Department of Biotechnology, Yonsei University, Seoul 120-749, Korea, Republic of); Jeon, Il-Ji; Kim, Jung Dong; Song, Min-Sun; Han, Seung-Ryul; Lee, Seong-Wook; Jung, Hyungil; Oh, Jong-Won **Source:** *Analyst*, v 134, n 9, p 1896-1901, 2009

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475. Application of a Risk Analysis Tool to Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Outbreak in Saudi Arabia

Chen, Xin (Biosecurity Program, Kirby Institute, Faculty of Medicine, University of New South Wales, Sydney; NSW; 2052, Australia); Chughtai, Abrar A.; MacIntyre, Chandini R. **Source:** *Risk Analysis*, 2020 Article in Press

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476. Life Technologies Supports global effort to help accelerate emergency screening of novel middle east respiratory syndrome Coronavirus (MERS-CoV).

Source: *PR Newswire*, 26 Jun 2013 **Availability:** Website: <http://www.prnewswire.com>

Database: CBNB

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477. Isolation and characterization of viruses related to the SARS coronavirus from animals in Southern China

Guan, Y. (Department of Microbiology, University of Hong Kong, Queen Mary Hospital, Hong Kong Spec. Admin. Reg. (S.A.R.), Hong Kong); Zheng, B.J.; He, Y.Q.; Liu, X.L.; Zhuang, Z.X.; Cheung, C.L.; Luo, S.W.; Li, P.H.; Zhang, L.J.; Guan, Y.J.; Butt, K.M.; Wong, K.L.; Chan, K.W.; Lim, W.; Shortridge, K.F.; Yuen, K.Y.; Peiris, J.S.M.; Poon, L.L.M.

Source: *Science*, v 302, n 5643, p 276-278, October 10, 2003

Database: Chimica

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478. Preparation of virus-like particle mimetic nanovesicles displaying the S protein of Middle East respiratory syndrome coronavirus using insect cells

Kato, Tatsuya (Department of Agriculture, Graduate School of Integrated Science and Technology, Shizuoka University, Ohya 836, Suruga-ku, Shizuoka, Japan); Takami, Yoshihiro; Kumar Deo, Vipin; Park, Enoch Y. **Source:** *Journal of Biotechnology*, v 306, p 177-184, 20 December 2019

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479. Assessing nitrogen dioxide (NO₂) levels as a contributing factor to coronavirus (COVID-19) fatality

Ogen, Yaron (The Department of Remote Sensing and Cartography, Institute of Geosciences and Geography, Martin-Luther University Halle-Wittenberg, Von-Seckendorff-Platz 4, Room: H4 2.23, Halle (Saale); 06120, Germany)

Source: *Science of the Total Environment*, v 726, 15 July 2020

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480. Distinct Patterns of IFITM-Mediated Restriction of Filoviruses, SARS Coronavirus, and Influenza A Virus

Huang, I.; Bailey, C. C.; Weyer, J. L.; Radoshitzky, S. R.; Becker, M. M. (Army Medical Research Inst. of Infectious Diseases, Fort Detrick, MD.), 15p, Jan 2011

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481. Stability of bovine coronavirus on lettuce surfaces under household refrigeration conditions

Mullis, L. (Nat. Center for Toxicological Res., Food & Drug Adm., Jefferson, AR, United States); Saif, L.J.; Yongbin Zhang; Xuming Zhang; Azevedo, M.S.P. **Source:** *Food Microbiology*, v 30, n 1, p 180-6, May 2012

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Gassen, Nils C. (Department of Translational Research in Psychiatry, Max Planck Institute of Psychiatry, Kraepelinstr. 10, Munich; 80804, Germany); Niemeyer, Daniela; Muth, Doreen; Corman, Victor M.; Martinelli, Silvia; Gassen, Alwine; Hafner, Kathrin; Papies, Jan; Mösbauer, Kirstin; Zellner, Andreas; Zannas, Anthony S.; Herrmann, Alexander; Holsboer, Florian; Brack-Werner, Ruth; Boshart, Michael; Müller-Myhsok, Bertram; Drosten, Christian; Müller, Marcel A.; Rein, Theo **Source:** *Nature Communications*, v 10, n 1, December 1, 2019

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483. Imgenex now offers an Elisa Kit to measure severe acute respiratory syndrome (SARS) coronavirus nucleocapsid protein.

Publication date: 13 Apr 2004 **Availability:** Imgenex Corp, 11175, Flintkote Avenue, Suite E, San Diego, CA 92121, USA, Tel: +1 858 642 0978, Toll free: +1 888 723 4363, Fax: +1 858 642 0937, E-mail: info@imgenex.com, Website: <http://www.imgenex.com>

Database: CBNB

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484. Piezoelectric immunosensor for SARS-associated coronavirus in sputum

Zuo, Boli (Analytical Center, Institute of Chemical Defense of PLA, Beijing, 102205, China); Li, Shanmao; Guo, Zhao; Zhang, Jinfang; Chen, Chuanzhi **Source:** *Analytical Chemistry*, v 76, n 13, p 3536-3540, July 1, 2004

Database: Chimica

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485. Imgenex now offers antibodies against severe acute respiratory syndrome (SARS) Coronavirus Proteins.

Publication date: 13 Oct 2003 **Availability:** Imgenex Corp, 11175, Flintkote Avenue, Suite E, San Diego, CA 92121, USA, Tel: +1 858 642 0978, Toll free: +1 888 723 4363, Fax: +1 858 642 0937, E-mail: info@imgenex.com, Website: <http://www.imgenex.com>

Database: CBNB

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486. Detection of feline coronavirus using microcantilever sensors

Velanki, Sreepriya (Chemistry Program, Institute for Micromanufacturing, Louisiana Tech University, Ruston, LA, United States); Ji, Hai-Feng **Source:** *Measurement Science and Technology*, v 17, n 11, p 2964-2968, November 1, 2006

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Chuck, Chi-Pang (School of Life Sciences, Center for Protein Science and Crystallography, Chinese University of Hong Kong, Shatin, Hong Kong); Chen, Chao; Ke, Zhihai; Chi-Cheong Wan, David; Chow, Hak-Fun; Wong, Kam-Bo
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Zhang, Yuan (School of Life Sciences, Fudan University, Shanghai, 200433, China); Zheng, Nan; Zhong, Yang
Source: *Computational Biology and Chemistry*, v 31, n 2, p 129-133, April 2007

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Pyrç, Krzysztof (Department of Human Retrovirology, University of Amsterdam, Meibergdreef 15, 1105 AZ Amsterdam, Netherlands); Bosch, Berend Jan; Berkhout, Ben; Jebbink, Maarten F.; Dijkman, Ronald; Rottier, Peter; Van Der Hoek, Lia
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Satija, Namita (Virology Group, International Centre for Genetic Engineering and Biotechnology, New Delhi, India); Lal, Sunil K.
Source: *Annals of the New York Academy of Sciences*, v 1102, p 26-38, April 2007, *Biology of Emerging Viruses: SARS, Avian and Human Influenza, Metapneumovirus, Nipah, West Nile, and Ross River Virus*

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Wang, X.W. (Intitute of Hygiene and Environmental Medicine, Academy of Military Medical Sciences, 1 Da Li Road, Tiajin 300050, China); Li, J.; Guo, T.; Zhen, B.; Kong, Q.; Yi, B.; Li, Z.; Song, N.; Jin, M.; Xiao, W.; Zhu, X.; Gu, C.; Yin, J.; Wei, W.; Yao, W.; Liu, C.; Li, J.; Ou, G.; Wang, M.; Fang, T.; Wang, G.; Qiu, Y.; Wu, H.; Chao, F.; Li, J.
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Adhikari, Umesh (Department of Biosystems and Agricultural Engineering, Michigan State University, East Lansing; MI, United States); Chabrelie, Alexandre; Weir, Mark; Boehnke, Kevin; McKenzie, Erica; Ikner, Luisa; Wang, Meng; Wang, Qing; Young, Kyana; Haas, Charles N.; Rose, Joan; Mitchell, Jade
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Fan, Changyu (School of Sociology, Central China Normal University, Wuhan; Hubei Province; 430079, China); Liu, Linping; Guo, Wei; Yang, Anuo; Ye, Chenchen; Jilili, Maitixirepu; Ren, Meina; Xu, Peng; Long, Hexing; Wang, Yufan
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Schwegmann-Wessels, Christel (Institut für Virologie, Tierarztl. Hochschule Hannover, Bünteweg 17, D-30559 Hannover, Germany); Al-Falah, Marwan; Escors, David; Wang, Zai; Zimmer, Gert; Deng, Hongkui; Enjuanes, Luis; Naim, Hassan Y.; Herrler, Georg
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Khurshid, Zohaib (Department of Prosthodontics and Dental Implantology, College of Dentistry, King Faisal University, Al-Ahsa, 31982, Saudi Arabia); Asiri, Faris Yahya Ibrahim; Al Wadaani, Hamed
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Source: *Federal Register*, v 78, n 108, p 33842-33843, 5 Jun 2013 **Availability:** Website: <http://www.gpo.gov/fdsys>

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Zhou, Peng (CAS Key Laboratory of Special Pathogens and Biosafety, Wuhan Institute of Virology, Chinese Academy of Sciences, Wuhan, China); Fan, Hang; Lan, Tian; Yang, Xing-Lou; Shi, Wei-Feng; Zhang, Wei; Zhu, Yan; Zhang, Ya-Wei; Xie, Qing-Mei; Mani, Shailendra; Zheng, Xiao-Shuang; Li, Bei; Li, Jin-Man; Guo, Hua; Pei, Guang-Qian; An, Xiao-Ping; Chen, Jun-Wei; Zhou, Ling; Mai, Kai-Jie; Wu, Zi-Xian; Li, Di; Anderson, Danielle E.; Zhang, Li-Biao; Li, Shi-Yue; Mi, Zhi-Qiang; He, Tong-Tong; Cong, Feng; Guo, Peng-Ju; Huang, Ren; Luo, Yun; Liu, Xiang-Ling; Chen, Jing; Huang, Yong; Sun, Qiang; Zhang, Xiang-Li-Lan; Wang, Yuan-Yuan; Xing, Shao-Zhen; Chen, Yan-Shan; Sun, Yuan; Li, Juan; Daszak, Peter; Wang, Lin-Fa; Shi, Zheng-Li; Tong, Yi-Gang; Ma, Jing-Yun
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498. Genome sequence variation analysis of two SARS coronavirus isolates after passage in Vero cell culture

Jin Weiwu (State Key Lab. for Agrobiotechnol., China Agric. Univ., Beijing, China); Hu Liangxiang; Du Zhenglin; Gao Qiang; Gao Hong; Ning Ye; Feng Jidong; Zhang Jiansan; Yin Weidong; Li Ning **Source:** *Chinese Science Bulletin*, v 49, n 17, p 1824-7, Sept. 2004

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Ivanov, Dmitry (Berlin School of Economics and Law, Department of Business Administration, Professor for Supply Chain and Operations Management, Berlin; 10825, Germany) **Source:** *Transportation Research Part E: Logistics and Transportation Review*, v 136, April 2020

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Talbot, P.J. (Montreal Neurological Institute, McGill University, Montreal, Que. H3A 2B4, Canada); Ekande, S.; Cashman, N.R.; Mounir, S.; Stewart, J.N. **Source:** *Advances in Experimental Medicine and Biology*, v 342, p 339-346, 1994

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