# Planetary & Space Sciences

## Journal Catalogue

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## Aerospace Science and Technology


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This journal publishes original papers, review articles and short communications related to all fields of aerospace research, fundamental and applied, potential applications of which are clearly related to:

- The design and the manufacture of aircraft, helicopters, missiles, launchers and satellites
- The control of their environment
- The study of various systems they are involved in, as supports or as targets.

**Editor-in-Chief:**

**J. A. Ekaterinaris** – *Embry-Riddle Aeronautical University, USA*

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## Acta Astronautica


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Content is based on original contributions in all fields of basic, engineering, life and social space sciences and of space technology related to the peaceful scientific exploration of space, its exploitation for human welfare and progress, conception, design, development and operation of space-borne and Earth-based systems.

**Editor-in-Chief**

**R. J.-S. Chern** – *Ryerson University, Toronto, Ontario, Canada*

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## Advances in Space Research


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The COSPAR publication *Advances in Space Research* (ASR) covers all areas of space research including: space studies of the Earth's surface, meteorology, climate, the Earth-Moon system, planets and small bodies of the solar system, upper atmospheres, ionospheres and magnetospheres of the Earth and planets including reference atmospheres, space plasmas in the solar system, astrophysics from space, materials sciences in space, fundamental physics in space, space debris, space weather, earth observations of space phenomena, etc.

**Editor-in-Chief**

**P. Willis** – *Direction Technique, Institut Geographique National, France*

**Co-Editor for Special Issues**

**M. A. Shea** – *Air Force Research Laboratory, USA (Retired)*

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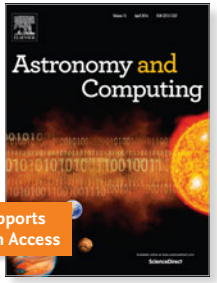
## Astronomy & Computing

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The journal publishes the work of scientists and (software) engineers in all aspects of astronomical computing, including the collection, analysis, reduction, visualization, preservation and dissemination of data, and the development of astronomical software and simulations. It covers applications for academic computer science techniques to astronomy, as well as novel applications of information technologies within astronomy.

**Editors:**

**A. Accomazzi** – *Harvard-Smithsonian Center for Astrophysics, US*
**T. Budavari** – *Johns Hopkins University, US*
**C. Fluke** – *Swinburne University of Technology, Australia*
**N. Gray** – *University of Glasgow, UK*
**G. Lemson** – *Johns Hopkins University, US*
**R. Mann** – *University of Edinburgh, UK*
**W. O'Mullane** – *European Space Astronomy Centre (ESA), Spain*
**A. Wicenec** – *University of Western Australia, Australia*
**M. Wise** – *ASTRON Netherlands Institute for Radio Astronomy, Netherlands*

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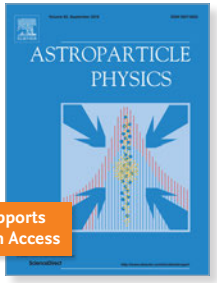
## Astroparticle Physics

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Publishes experimental and theoretical research papers in the interacting fields of cosmic ray physics, astronomy and astrophysics, cosmology and particle physics focusing on new developments in the areas of high-energy cosmic-ray physics and astrophysics, particle cosmology, particle astrophysics, related astrophysics (supernova, AGN, cosmic abundances, dark matter, etc.), high-energy, VHE and UHE gamma-ray astronomy, high-and low-energy neutrino astronomy, instrumentation and detector developments related to the above-mentioned fields.

**Receiving editors:**

**S. W. Barwick** – *University of California at Irvine, USA*
**P. Blasi** – *INAF-Istituto Nazionale di Astrofisica, Italy*
**D. Huterer** – *University of Michigan, USA*
**J. Knapp** – *DESY Zeuthen, Zeuthen, Germany*
**K. Kotake** – *Fukuoka University, Japan*
**H. Kraus** – *University of Oxford, UK*
**S. Markoff** – *Universiteit van Amsterdam, Netherlands*
**O. Reimer** – *Leopold-Franzens-Universität Innsbruck, Austria*
**S. Rowan** – *University of Glasgow, UK*
**T. Stanev** – *University of Delaware, USA*
**K. Zuber** – *Institut für Kern- und Teilchenphysik, Germany*

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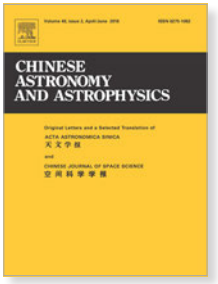
## Chinese Astronomy and Astrophysics




A selection of translations of papers from the *Chinese Journal of Space Science* and the review journal *Progress in Astronomy* are added to the translation of *Acta Astronomica Sinica* to form the journal *Chinese Astronomy and Astrophysics*.

**Translation Editor:**
**G. Huang** – *Chinese Academy of Sciences, China*

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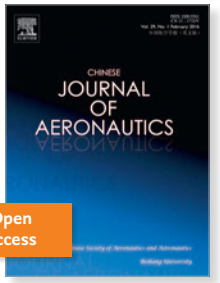
## Chinese Journal of Aeronautics




Open Access

The *Chinese Journal of Aeronautics* (CJA) is an open access, peer-reviewed international journal covering all aspects of aerospace engineering. The Journal reports the scientific and technological achievements from the frontiers of aeronautic and astronautic engineering, in both theory and practice; including but not limited to theoretical or experimental research articles, research notes, comprehensive reviews, technological briefs. Also welcome for consideration are any other reports on the latest developments in or related to the fields of aeronautics and astronautics, as well as those ground equipment concerned.

**Editor-in-Chief:**
**X. F. Sun** – *Beihang University, China*

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## Earth and Planetary Science Letters


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A leading journal for researchers across the entire Earth and planetary sciences community. It publishes concise, exciting, high-impact articles ("Letters") of broad interest. Its focus is on physical and chemical processes, the evolution and general properties of the Earth and planets – from their deep interiors to their atmospheres. EPSL also includes a Frontiers section, featuring invited high-profile synthesis articles by leading experts on timely topics to bring cutting-edge research to the wider community.

**Editors:**
**M. Bickle** – *University of Cambridge, UK*
**J. Brodholt** – *University College London, UK*
**B. Buffett** – *University of California, Berkeley, USA*
**M. Frank** – *GEOMAR Helmholtz Centre for Ocean Research, Kiel, Germany*
**B. Marty** – *Centre de Recherches Petrographiques et Geochimique, France*
**T. A. Mather** – *University of Oxford, UK*
**P. Shearer** – *University of California at San Diego, USA*
**C. Sotin** – *California Institute of Technology, Pasadena, CA, USA*
**H. Stoll** – *Universidad de Oviedo, Oviedo, Spain*
**D. Vance** – *Swiss Federal Institute of Technology, Zurich, Switzerland*
**A. Yin** – *University of California at Los Angeles, USA*

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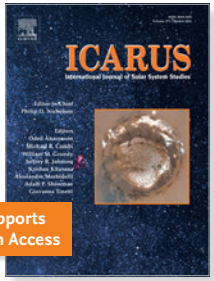
## Icarus

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*Icarus* is endorsed by the Division for Planetary Sciences of the American Astronomical Society and is devoted to the publication of original contributions in the field of solar system studies. Manuscripts reporting the results of new research – observational, experimental, or theoretical – concerning the astronomy, geology, meteorology, physics, chemistry, biology, and other scientific aspects of our solar system or extrasolar systems are welcome.

**Editor-in-Chief:**
**P. D. Nicholson** – *Cornell University, USA*

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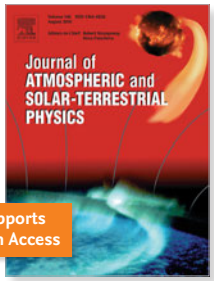
## Journal of Atmospheric and Solar-Terrestrial Physics

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The Journal is dedicated to the physics of the Earth's atmospheric and space environment, especially the highly variable physical phenomena that occur and the processes that couple them. The Journal especially welcomes papers on the subject of 'space weather'.

**Editors-in-Chief**
**D. Pancheva** – *Bulgarian Academy of Sciences, Bulgaria*
**R. Strangeway** – *UCLA, USA*

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## Journal of High Energy Astrophysics


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The *Journal of High Energy Astrophysics* (JHEAp) is the first astrophysical journal that focuses on the study of highly energetic phenomena. The journal welcomes manuscripts on theoretical models, simulations, and observations of highly energetic astrophysical objects both in our galaxy and beyond. Among those, black holes at all scales, neutron stars, pulsars and their nebula, binaries, novae and supernovae, their remnants, active galaxies, and clusters are just a few examples.

**Editor-in-Chief**
**D. F. Torres** – *Institute of Space Sciences, Spain*

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## Life Sciences in Space Research


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A COSPAR publication, *Life Sciences in Space Research* (LSSR) features an editorial team of top scientists in the space radiation field and has the principal objective of providing the space life sciences community with a high impact platform for the rapid dissemination of research results. A better understanding of the biological effects of the space environment, including radiation, and of countermeasures to minimize these effects, are topics of interest to many researchers and space agencies. Life support systems need to be explored in order to help support long term habitability and sustainability in space. LSSR welcomes your contributions to address these and other space related topics of interest.

**Editor-in-Chief**
**T. Hei** – *Columbia University Medical Center, USA*

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## Molecular Astrophysics


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*Molecular Astrophysics* is a new journal where researchers working in planetary and exoplanetary science, astrochemistry, astrobiology, spectroscopy, physical chemistry and chemical physics can meet and exchange their ideas. The journal aims to cover observational, laboratory and computational results in the galactic, extragalactic and intergalactic areas of our universe.

**Editor-in-Chief**

**A. Tielens** – *Universiteit Leiden, Netherlands*

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## New Astronomy


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The journal publishes articles in all fields of astronomy and astrophysics, with a particular focus on computational astronomy: mathematical and astronomy techniques and methodology, simulations, modelling and numerical results and computational techniques in instrumentation.

**Receiving Editors:**

**G. Brunetti** – *INAF-Istituto Nazionale di Astrofisica, Italy*
**P. S. Conti** – *University of Colorado Boulder, USA*
**G. F. Gilmore** – *University Of Cambridge, UK*
**J. Lin** – *Chinese Academy of Sciences (CAS), China*
**F. D. Macchetto** – *Space Telescope Science Institute, USA*
**J. Makino** – *Exascale Computing Project, Japan*
**J. I. Silk** – *University of Oxford, UK*
**E. P. J. van den Heuvel** – *Universiteit van Amsterdam, Netherlands*
**M. B. M. van der Klis** – *Universiteit van Amsterdam, Netherlands*

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## New Astronomy Reviews


*New Astronomy Reviews* publishes review articles in all fields of astronomy and astrophysics: theoretical, observational and instrumental. This international review journal is written for a broad audience of professional astronomers and astrophysicists.

**Editors:**

**J. Audouze** – *Institut d' Astrophysique, France*
**P. A. Charles** – *University of Southampton, UK*
**C. Clarke** – *University of Cambridge, UK*
**J. A. Hinton** – *Max Planck Institut (MPI) für Kernphysik, Germany*
**J. Lissauer** – *NASA Ames Research Center, USA*
**J. Miller-Jones** – *Curtin University, Australia*
**R. Wijers** – *Universiteit van Amsterdam, Netherlands*
**S.-N. Zhang** – *Chinese Academy of Sciences (CAS), China*

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## Physics of the Earth and Planetary Interiors


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The only journal to be entirely devoted to the physical and chemical processes of planetary interiors. *Physics of the Earth and Planetary Interiors* covers the areas of planetary physics, geodesy and geophysics.

**Editors:**

**V. Cormier** – *University of Connecticut, Storrs, CT, USA*
**K. Hirose** – *Tokyo Institute of Technology, Japan*
**M. Jellinek** – *University of British Columbia, Canada*
**C. A. Jones** – *University of Leeds, UK*

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## Planetary and Space Science


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This journal publishes original articles and short communications on ground-based and space-borne instrumentation of solar-system processes as well as aspects of planetary and solar-system research such as: celetial mechanics, cosmochemistry, terrestrial and outer planets and their satellites, and planetary atmospheres.

**Editor-in-Chief**

**R. Schulz** – *ESA/ESTEC, Netherlands*

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## Progress in Aerospace Sciences


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*Progress in Aerospace Sciences* is an international review journal designed to be of broad interest and use to all those concerned with research in aerospace sciences and their applications in research establishments, industry and universities. The journal is devoted primarily to the publication of specially commissioned review articles designed to bring together under one cover current advances in the ever-broadening field of aerospace sciences.

**Commissioning Editors:**

**M. F. Platzer** – *Naval Postgraduate School, USA*
**B. E. Richards** – *Helensburgh, UK*

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## Reviews in Human Space Exploration


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*REACH – Reviews in Human Space Exploration* is an international review journal that covers the entire field of human space exploration, including: human space exploration mission scenarios, robotic space exploration missions, commercial human spaceflight, space habitation, space physiology, medicine and psychology, space radiation and radiation biology, exo- and astrobiology, search for extraterrestrial intelligence (SETI), spin-off applications from human spaceflight, benefits from space-based research for health on Earth, Earth observation for agriculture, climate monitoring, disaster mitigation, terrestrial applications of space life sciences developments.

**Editor-in-Chief:**
**R. Gerzer** – *Russia*

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## Space Policy


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*Space Policy* is an international, interdisciplinary journal which draws on the fields of international relations, economics, history, aerospace studies, security studies, development studies, political science and ethics to provide discussion and analysis of space activities in their political, economic, industrial, legal, cultural and social contexts.

**Editor:**
**J. Stuart** – *London School of Economics, UK*

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