



NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS RESEARCH SECTION A: ACCELERATORS, SPECTROMETERS, DETECTORS AND ASSOCIATED EQUIPMENT

AUTHOR INFORMATION PACK

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[1] T. Ogi, D. Hidayat, F. Iskandar, A. Purwant, K. Okuyama, Direct synthesis of highly crystalline transparent conducting oxide nanoparticles by low pressure spray pyrolysis, *Advanced Powder Technology*, 20 (2009) 203 - 209.

Book:

[2] R.B. Bird, W.E. Stewart, E.N. Lightfoot, *Transport Phenomena*, 2nd ed., John Wiley & Sons, New York, 2002.

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[3] H. Masuda, K. Higashitani, H. Yoshida Eds., Powder Technology Handbook, 3rd ed., CRC Press, Boca Raton, 2006.

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[4] Y. Mori, K. Kimura, M. Tanigaki, Influence of zone broadening on particle size analysis by sedimentation field-flow fractionation, in: N.G. Stanley-Wood, R.W. Lines (Eds.) Particle Size Analysis, Redwood Press, Melksham, 1992, pp. 290-299.

Proceedings:

[5] W. Ducker, N. Nicholas, G. Franks, Surface of ZnO during hydrothermal growth, in: Proc. 241st ACS National Meeting & Exposition American Chemical Society, Anaheim, CA, United States, 2011, COLL-478.

Patent:

[6] H.D. Jang, K. Cho, B.-G. Kim (Korea Institute of Geoscience and Mineral Resource, S. Korea), US20100048741A1, 2010.

Web Reference:

[7] D. Kriesel, A Brief Introduction to Neural Networks, available at <http://www.dkriesel.com> (accessed on January 1st, 2010).

Data Citation:

[8] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, Mendeley Data, v1, 2015. <http://dx.doi.org/10.17632/xwj98nb39r.1>.

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