

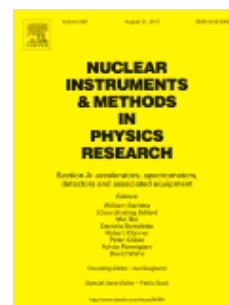


NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS RESEARCH SECTION A: ACCELERATORS, SPECTROMETERS, DETECTORS AND ASSOCIATED EQUIPMENT

AUTHOR INFORMATION PACK

TABLE OF CONTENTS

●	Description	p.1
●	Audience	p.1
●	Impact Factor	p.2
●	Abstracting and Indexing	p.2
●	Editorial Board	p.2
●	Guide for Authors	p.3



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[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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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.

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[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).

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