

JOURNAL OF ALLOYS AND COMPOUNDS

(Formerly Journal of the Less-Common Metals)

Editor-in-Chief

Professor K. H. J. Buschow
Van der Waals-Zeeman Laboratorium
Universiteit van Amsterdam
Valckenierstraat 65
1018 XE Amsterdam, Netherlands
Fax: +31 (20) 525 5788
e-mail: buschow@science.uva.nl

Editors

Professor H. Kleinke
Dept. of Chemistry
University of Waterloo
Waterloo, Ontario N2L 3G1
Canada
Tel.: +1 (519) 885 1211
Fax: +1 (519) 746 0435
e-mail: jalcom@uwaterloo.ca

Professor H.G. Pan
Department of Materials Science and
Engineering
Zhejiang University
Hangzhou 310029
P.R. China
Tel. & Fax: +86 (571) 87952615
e-mail: Honggepan@zju.edu.cn

Professor H. Sakaguchi
Department of Materials Science
Tottori University
Minami 4-101, Koyama-cho
Tottori 680-0945
Japan
Tel. & Fax: +81 (857) 31 5265
e-mail: sakaguch@chem.tottori-u.ac.jp

Professor L. Schultz
Leibniz-Institut fuer Festkoerper- und
Werkstofforschung (IFW) Dresden
Helmholtzstrasse
20D-01069 Dresden, Germany
Tel: +49-351-4659-100
Fax: +49-351-4659-500
e-mail: l.schultz@ifw-dresden.de

Honorary Editors

Professor G.-Y. Adachi
Osaka University
Faculty of Engineering
Dept. of Applied Chemistry
Yamadakami/Suita
Osaka 565, Japan

Professor H. F. Franzen
Iowa State University
Dept. of Chemistry & Ames Lab
Ames, IA 50011, USA

Professor G. J. Miller
Iowa State University
Dept. of Chemistry
Ames, IA 50011, USA

Professor Ch. J. Raub
Waldsiedlung 17
D-73525 Schwäbisch Gmünd
Germany

Professor H. Uchida
Dept. of Nuclear Engineering
School of Engineering
Tokai University
4-1-1 Kita-Kaname
Hiratsuka-City
kanagawa 259-1292
Japan

Editorial Advisory Board

A. V. Andreev
Institute of Physics
Academy of Sciences
Na Slovance 2
18221 Prague 8, Czech Republic

F. J. Di Salvo
Cornell University
Baker Laboratory
Dept. of Chemistry
Ithaca, NY 14853, USA

J. Etourneau
Université de Bordeaux I
Institut de Chimie de la Matière
Condensée de Bordeaux
(ICMCB), CNRS
351 cours de la Libération
F-33405 Talence Cedex, France

T. B. Flanagan
The University of Vermont
Dept. of Chemistry
Cook Physical Science Bldg.
Burlington, VT 05405, USA

D. Gignoux
Laboratoire Louis Néel
C.N.R.S., B.P. 166X
38042 Grenoble Cedex
France

Y. Grin
Max-Planck-Institut für Chemische
Physik fester Stoffe
Nothnitzer Str. 40
D-01187 Dresden, Germany

J. Huot
Hydrogen Research Institute
Université du Québec à Trois-Rivières
G9A 5H7, Trois-Rivières
Québec, Canada

D. C. Johnson
Dept. of Chemistry
University of Oregon
Eugene, OR 97403, USA

M. G. Kanatzidis
Michigan State University
Dept. of Chemistry
East Lansing, MI 48824-1322, USA

E. J. Mittemeijer
Max Planck Institute
for Metals Research
Heisenbergstrasse 3
D-70569 Stuttgart, Germany

R. Nesper
Anorganisch Chemie
ETH Zentrum, CAB C18.2
8092 Zurich, Switzerland

D. E. Peterson
Los Alamos National Laboratory
Superconductivity Technology
Center
Mailstop K763
Los Alamos, NM 87545, USA

K. R. Poeppelmeier
Northwestern University
Dept. of Chemistry
2145 Sheridan Road
Evanston, IL 60208-3113, USA

H. Sato
Dept. of Physics
Tokyo Metropolitan University
Tokyo 192-0397
Japan

V. Sechovsky
Department of Electronic Structures
Faculty of Mathematics and Physics
Charles University
Ke Karlovu 5
121 16 2 Prague 2
Czech Republic

W. Stręk
Institute of Low Temperature and
Structure Research
PAN, P.O. Box 1410
50-950 Wrocław
Poland

K. Suzuki
Advanced Institute of
Materials Science
Moniwa-dai 2-6-8
Taihaku-ku
Sendai 982-0252,
Japan

T. Yamase
Tokyo Inst. of Technology
4259 Nagatsuda, Midoriku
Yokohama 227,
Japan

C.-L. Yeh
Dept. of Aerospace and Systems
Engineering
Feng Chia University
40724 Taichung
Taiwan

H. Zur Loye
Department of Chemistry/
Biochemistry
University of South Carolina
Columbia, SC 29208
USA

Scope

Papers and communications should be concerned with the chemistry, metallurgy, physics or inter-related aspects of alloys and compounds or their applications.

Types of Contributions

- original research work not already published
- plenary lectures and/or individual papers given at conferences
- review articles; authors should first consult one of the Editors
- letters
- book reviews

Contributions are accepted on the understanding that the authors have obtained any necessary authority for publication.

Publication information: *Journal of Alloys and Compounds* (ISSN 0925-8388). For 2010, volumes 488–510 are scheduled for publication. Subscription prices are available upon request from the Publisher or from the Elsevier Customer Service Department nearest you or from this journal's website (<http://www.elsevier.com/locate/jallcom>). Further information is available on this journal and other Elsevier products through Elsevier's website (<http://www.elsevier.com>). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch.

Orders, claims, and journal enquiries: please contact the Elsevier Customer Service Department nearest you:

St. Louis: Elsevier Customer Service Department, 3251 Riverport Lane, Maryland Heights, MO 63043, USA; phone: (877) 8397126 [toll free within the USA]; (+1) (314) 4478878 [outside the USA]; fax: (+1) (314) 4478077; e-mail: JournalCustomerService-usa@elsevier.com

Oxford: Elsevier Customer Service Department, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone: (+44) (1865) 843434; fax: (+44) (1865) 843970; e-mail: JournalsCustomerServiceEMEA@elsevier.com

Tokyo: Elsevier Customer Service Department, 4F Higashi-Azabu, 1-Chome Bldg, 1-9-15 Higashi-Azabu, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5037; fax: (+81) (3) 5561 5047; e-mail: JournalsCustomerServiceJapan@elsevier.com

Singapore: Elsevier Customer Service Department, 3 Killiney Road, #08-01 Winsland House I, Singapore 239519; phone: (+65) 63490222; fax: (+65) 67331510; e-mail: JournalsCustomerServiceAPAC@elsevier.com

USA mailing notice: *Journal of Alloys and Compounds* (ISSN 0925-8388) is published semimonthly by Elsevier B.V. (Radarweg 29, 1043 NX Amsterdam, The Netherlands). Periodical postage paid at Rahway NJ and additional mailing offices.

USA POSTMASTER: Send change of address to *Journal of Alloys and Compounds*, Elsevier Customer Service Department, 3251 Riverport Lane, Maryland Heights, MO 63043, USA.

AIRFREIGHT AND MAILING in USA by Mercury International Limited, 365, Blair Road, Avenel, NJ 07001.

Advertising information: If you are interested in advertising or other commercial opportunities please e-mail CommercialSales@elsevier.com and your enquiry will be passed to the correct person who will respond to you within 48 hours.