

# JOURNAL OF THE EUROPEAN CERAMIC SOCIETY

The *Journal of the European Ceramic Society* publishes the results of original research relating to the structure, properties and processing of ceramic materials. Papers of either an experimental or theoretical character will be welcomed on a fully international basis. Papers may cover any of the branches of ceramic science and technology and may relate to any of the so-called categories, structural, functional and traditional ceramics. The central objective will be to sustain a high standard of research quality by means of appropriate reviewing procedures.

## Editorial Board

### R. I. Todd

Senior Editor  
University of Oxford,  
Department of Materials,  
Parks Road, Oxford OX1 3PH, UK

### R. J. Brook

Founding Editor  
University of Oxford,  
Department of Materials,  
Parks Road, Oxford OX1 3PH, UK

### V. Buscaglia

Editor  
CNR-IENI, Via de Marini 6,  
16149 Genova, Italy

### J. Chevalier

Editor  
University of Lyon-INSa Lyon  
20 Avenue Albert Einstein  
69621 Villeurbanne, France

### N. Babini

CNR-IRTEC-Faenza,  
V. Granarolo,  
64 Faenza, Italy

### L. Berzina

Riga Technical University,  
Biomaterials R&D Laboratory,  
14 Azenes St., Riga, LV-1048, Latvia

### F. Cambier

CRIBC, 4 Avenue Gouverneur Cornez,  
B-7000 Mons, Belgium

### G. Fantozzi

Group Français de la Ceramique, INSA,  
7 Avenue Jean Capelle, Bat. Blaise Pascal,  
69621 Villeurbanne Cedex, France

### R. Freer

University of Manchester/UMIST,  
Materials Science Centre,  
Grosvenor Street, Manchester,  
M1 7HS, UK

### J.G. Heinrich

Clausthal University of Technology  
Institute of Non-Metallic Materials  
Zehntnerstr. 2a  
38678 Clausthal-Zellerfeld  
Germany

### M. Lütfi Öveçoğlu

Department of Metallurgical Engineering,  
Faculty of Chemistry-Metallurgy,  
Istanbul Technical University,  
Maslak 80626, Istanbul,  
Turkey

### R. Pampuch

Department of Advanced Ceramics,  
AGH, Cracow,  
al. Mickiewicza 30, Poland

### R. Pompe

SWEREA IVF,  
Mölnådal, Sweden

### M.A. Rodríguez Barbero

Instituto de Cerámica y Vidrio (ICV)  
Consejo Superior de Investigaciones  
Científicas (CSIC)  
Kelsen 5  
28049 Madrid  
Spain

### D. Suvorov

Jožef Stefan Institute,  
Jamova 39,  
SI-1000 Ljubljana,  
Slovenia

### D. Thompson

School of Chemical Engineering and  
Advanced Materials  
Merz Court  
University of Newcastle upon Tyne  
Newcastle upon Tyne, NE1 7RU,  
UK

### G. de With

University of Technology,  
Dept. of Solid State Chemistry and  
Materials Science, PO Box 513  
5600 MB Eindhoven,  
The Netherlands

## SUBSCRIPTIONS

**Publication information:** *Journal of the European Ceramic Society* (ISSN 0955-2219). For 2011, volume 31 (16 issues) is 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/jeurceramsoc>). 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.

**Author enquiries:** For enquiries relating to the submission of articles (including electronic submission) please visit this journal's homepage at <http://www.elsevier.com/locate/jeurceramsoc>.

Contact details for questions arising after acceptance of an article, especially those relating to proofs, will be provided by the publisher. You can track accepted articles at <http://www.elsevier.com/trackarticle>. You can also check our Author FAQs at <http://www.elsevier.com/authorFAQ> and/or contact Customer Support via <http://support.elsevier.com>.

**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](mailto: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](mailto: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](mailto: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](mailto:JournalsCustomerServiceAPAC@elsevier.com)

**USA mailing notice:** *Journal of the European Ceramic Society* (ISSN 0955-2219) is published monthly with an additional four special issues despatched throughout the year by Elsevier Ltd. (The Boulevard, Langford Lane, Kidlington, Oxford, OX5 1GB, UK). Periodical postage paid at Rahway, NJ and additional mailing offices.

**USA POSTMASTER:** Send change of address to *Journal of the European Ceramic Society*, Elsevier Customer Service Department 3251 Riverport Lane, Maryland Heights, MO 63043, USA.

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

**Funding body agreements and policies.** Elsevier has established agreements and developed policies to allow authors whose articles appear in journals published by Elsevier, to comply with potential manuscript archiving requirements as specified as conditions of their grant awards. To learn more about existing agreements and policies please visit <http://www.elsevier.com/fundingbodies>