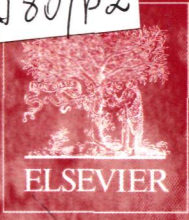


FU  
J80/p2



VOLUME 75 ISSUE 9 ISSN 0022-3697  
2014 SEPTEMBER

JOURNAL OF  
PHYSICS  
AND  
CHEMISTRY  
OF SOLIDS

AN  
INTERNATIONAL  
JOURNAL

**EDITORS**

**Arun Bansil**

*Boston*

**Hai-Ping Cheng**

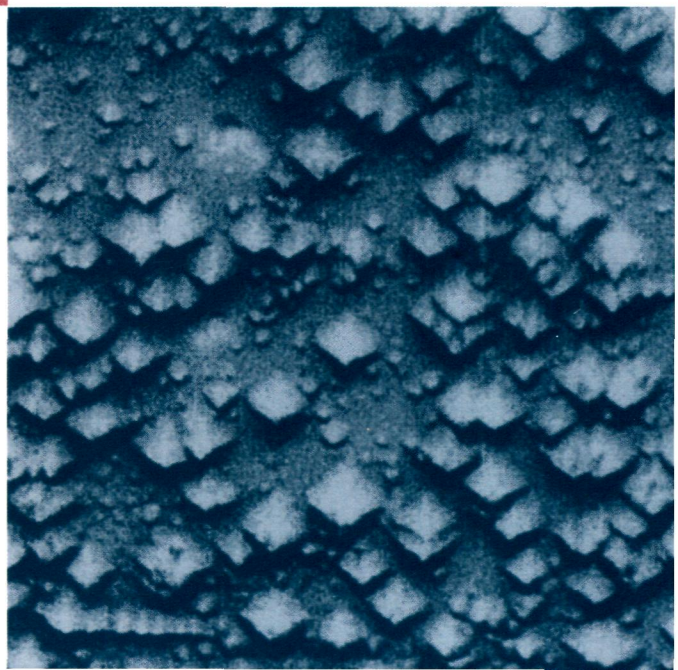
*Florida*

**Kosmas Prassides**

*Durham*

**Masaki Azuma**

*Japan*



Abstracted / indexed in: Cambridge Scientific Abstracts, Chemical Abstracts, Current Contents/Engineering, Computing & Technology, EIC/Intelligence, Engineering Index, INSPEC & PASCAL/CNRS Database, Materials Science Citation Index, SSSA/CISA/ECA/ISMEC, etc. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®

## CONTENTS

- J. Huang, G. Fu, C. Shi, X. Wang, M. Zhai and C. Gu** 1011 Novel porous CuO microrods: synthesis, characterization, and their photocatalysis property
- M. K. Jacobsen, W. Liu and B. Li** 1017 Enhancement of thermoelectric performance with pressure in  $\text{Ce}_{0.8}\text{Fe}_3\text{CoSb}_{12.1}$
- A. Sharma, M. Varshney, H.-J. Shin and K. D. Verma** 1024 Synthesis and characterization of Ni-implanted and 200-MeV Ag ion-irradiated  $\text{CeO}_2$  thin films
- S. G. Lebedev** 1029 Field-effect switching in nano-graphite films
- R. Mariappan, V. Ponnuswamy, A. Chandra Bose, R. Suresh and M. Ragavendar** 1033 Influence of Y doping concentration on the properties of nanostructured  $\text{M}_x\text{Zn}_{1-x}\text{O}$  ( $M=Y$ ) thin film deposited by nebulizer spray pyrolysis technique
- T. Kikuchi, M. Yoshida, S. Matsuura, S. Natsui, E. Tsuji, H. Habazaki and R. O. Suzuki** 1041 Rapid reduction of titanium dioxide nano-particles by reduction with a calcium reductant
- O. Shpotyuk, A. Ingram, B. Bureau, Ya. Shpotyuk, C. Boussard-Pledel, V. Nazabal and R. Szatanik** 1049 Positron annihilation probing of crystallization effects in TAS-235 glass affected by Ga additions
- G. A. Slack and K. E. Morgan** 1054 Some crystallography, chemistry, physics, and thermodynamics of  $\text{B}_{12}\text{O}_2$ ,  $\text{B}_{12}\text{P}_2$ ,  $\text{B}_{12}\text{As}_2$ , and related alpha-boron type crystals
- P. T. Shibeshi and V. Veeraiah** 1075 Structural, electrical and electrochemical characterization of  $\text{LiLa}_{0.01}\text{Cr}_{0.13}\text{Mn}_{1.86}\text{O}_4$  cathode material for lithium-ion battery

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

**ScienceDirect**

Printed by Henry Ling Ltd, Dorchester, UK



0022-3697(201409)75:9;1-R