

Chiang Mai Journal of Science



Chiang Mai J. Sci. (Special Issue)

Vol. 40 No. 6 December 2013

ISSN 0125 - 2526

<http://epg.science.cmu.ac.th/ejournal/>



Chiang Mai Journal of Science

Faculty of Science, Chiang Mai University

Vol. 40 No. 6 (Special Issue) December 2013

ISSN 0125 - 2526

Information for Contributors

Foreword

Robert Molloy

Contributed Papers

Fabrication of Thin Nanoporous Alumina Templates on
Semiconductor Substrates

Somyod Denchitcharoen and Pichet Limsuwan

947-956

Tensile Strained, Type II, GaP/GaAs Nanostructures

P. Prongjit, N. Pankaow, P. Boonpeng, S. Thainoi, S. Panyakeow
and S. Ratanathamaphan

957-962

Effect of Silver Nanoparticle on Lead-based Art Glass Fabricated from
Thailand Quartz Sands

Pisutti Dararutana, Krit Won-in and Narin Sirikulrat

963-970

Effect of AlGaAs Buffer Layer on Defect Distribution in Cubic GaN Grown
on GaAs (001) by MOVPE

Jamreonta Parinyataramas, Sakuntam Sanorpim, Chanchana Thanachayanont
and Kentaro Onabe

971-977

Solid-state Characterizations of the Inclusion Complexes between
Warfarin Sodium and β -Cyclodextrin

Sarunya Phunpee, Satit Puttipipatkachorn and Uracha Rungsardthong Ruktanonchai

978-984

Synthesis and Physical Properties of Semi-Transparent Conductive
Ag-Nanowire Network

Tula Jutarosaga, Panita Chityuttakan, Wandee Onreabroy and Anuwat Hassadee

985-993

Formulation Development of Plai Nanoemulsion Based on the Influence of Surfactant
Combinations

Suvimol Surassmo, Wanwisa Srimuanchai, Jakarwan Yostawonkul and
Uracha Ruktanonchai

994-999

Effect of Coating Time on LPP Treated Silk Fabric Coated
With ZnO₂ Nanoparticles

Wattanaporn Intarasang, Wandee Thamjaree, Dheerawan Boonyawan and Wim Nhuapeng

1000-1005

Synthesis of Porous g-Alumina Assisted by Resorcinol-Formaldehyde Gel





Chiang Mai Journal of Science

Faculty of Science, Chiang Mai University

Vol. 40 No. 6 (Special Issue) December 2013

ISSN 0125 - 2526

*Sukruthai Sapniwat, Varong Pavarajarn, Wiyong Kangwansupamonkon
and Apinan Soottitantawat*

1006-1012

Calculation of Electronic Structure and Thermoelectric Properties of
 $\text{Ge}_{(1-x)}\text{Si}_x$ Alloy

M. Nambuddee and P. Moontragoon

1013-1019

Characterization of Periodontal Fibroblast Spheroids *In Vitro*

Zurairah Berahim, Keyvan Moharamzadeh, Andrew Rawlinson and Adrian Jowett

1020-1029

High Temperature Thermoelectric and Optical Properties of $\text{Ca}_3\text{Co}_4\text{O}_9$
Prepared by Thermal Hydro-Decomposition

Natkrita Prasertsopha, Supree Pinitsoontorn and Vittaya Amornkitbamrung

1030-1034

Comparative Performance of Coupling Agent and Compatibilizer on
Polystyrene/Zelite composites

Supanat Phattarateera, Poonsub Threepopnathkul and Chanin Kulsetthanchalee

1035-1045

Synthesis of Strontium-Doped ZnO-Based Nanopowders by
Chemical Co-precipitation

Niti Yongvanich

1046-1054

Sol-Gel Synthesis and Characterization of Strontium/Zinc-substituted
Hydroxyapatites

Hemun Paennarin and Suphasinee L. Seet

1055-1060