

AUSTRALIAN JOURNAL OF CHEMISTRY

AN INTERNATIONAL JOURNAL FOR CHEMICAL SCIENCE

Volume 67 Number 6 2014

CONTENTS

Review

Fungal Metabolites as Pharmaceuticals
A. M. Beekman, R. A. Barrow **827**

Full Papers

Alloying Buffer Layers in Colloidal CdSe/ZnS Core/Shell Nanocrystals
H. Zhang, Y. Ye, B. Yang, L. Shen, Y. Cui, J. Zhang **844**

Highly Improved Electrooxidation of Captopril on Copper Hexacyanoferrate/Ordered Mesoporous Carbon-Modified Glassy Carbon Electrode
S. Lu, P. Lu, C. Li, C. Wang, J. Yu **851**

Effects of Different Phases of Cigarette Smoke on Lipid Peroxidation and Membrane Structure in Liposomes
N. P. Palmina, E. L. Maltseva, T. E. Chasovskaya, V. V. Kasparov, N. G. Bogdanova, V. A. Menshov, A. V. Trofimov **858**

An Efficient and Convenient Approach for the Synthesis of Novel Pyrazolo[1,2-*a*]triazole-triones and Evaluation of their Antimicrobial Activities
P. Saluja, J. M. Khurana, C. Sharma, K. R. Aneja **867**

Synthesis of Silicon and Germanium Nanowire Assemblies by Template-Assisted Electrodeposition from an Ionic Liquid
A. Willert, S. Z. El Abedin, F. Endres **875**

Thermal Decomposition of Diethylketone Cyclic Triperoxide in Polar Solvents
G. P. Barreto, E. E. Alvarez, G. N. Eyler, A. I. Cañizo, P. E. Allegretti **881**

Syntheses, Structures, Characterisation, and Spectroscopic Properties of Cu^I and Ag^I Complexes with Extended C–H $\cdots\pi$ and $\pi\cdots\pi$ Interactions
T.-H. Huang, M.-H. Zhang **887**

Construction of Lanthanide–Organic Frameworks from the Flexible Bifunctional Ligand 1,3-Bis(2-cyano-4-pyridyl)propane
B. Ji, C. Xu, L. Liu, G. Yin, C. Du **895**

Hydrothermal Synthesis, Crystal Structures, and Photoluminescent Properties of Metal–Organic Frameworks Derived from 3,5-Bis(benzimidazol-1-yl)pyridine and Dicarboxylic Acids
J. Xu, X. Sun, X. Yan, D. Zhang, M. Sun **901**

Mesoporous Carbon-supported Cu/ZnO for Methanol Synthesis from Carbon Dioxide
H. Duan, Y. Yang, R. Singh, K. Chiang, S. Wang, P. Xiao, J. Patel, D. Danaci, N. Burke, Y. Zhai, P. A. Webley **907**

Novel and Simple Synthesis of Brominated 1,10-Phenanthrolines
D. Výprachtický, D. Kaňková, V. Pokorná, I. Kmínek, V. Džhabarov, V. Cimrová **915**

Diffusion Studies of Phenylenediamine Isomers in Water–Monohydric-Alcohol Systems
D. J. Codling, G. Zheng, T. Stait-Gardner, W. S. Price **922**

A Simple Route to Prepare Zeolite Y Nanosheets with Hierarchical Perfoliate Pores
D. Cui, B. Zhou, J. Yin, M. Lou **929**

Reaction of 2-Pyridylmethylthiourea Derivatives with [(en)₂Co(OSO₂CF₃)₂]⁺ Induces Hypodentate Coordination of an Ethylenediamine Ligand
L. Roecker, A. Anderson, A. Al-Haddad, C. Engineer, J. Fetty, C. Kiaza, N. Noinaj, N. L. Coker, J. Krause, S. Parkin **933**

Influence of Chemically Inert Cations on the Hydrogen-bond Network in the Bray–Liebhafsky Oscillatory Reaction
D. R. Stanisavljev, I. Ž. Ljubić, M. C. Milenković **944**

Regioselective Multicomponent Sequential Synthesis of Oxa-Aza[3.3.3]propellanes
A. Alizadeh, F. Bayat, L.-G. Zhu **949**

Synthesis and Structural Characterisation of Palladium(II) Complexes with *N,N'*,*N*-Tridentate *N'*-Substituted *N,N*-Di(2-picolyl)amines and their Application to Methyl Methacrylate Polymerisation
S. Kim, D. Kim, Y. Song, H.-J. Lee, H. Lee **953**