

ПН
I-76/a

Volume 20 | Number 8 | August 2014

Ionics

International Journal
of Ionics The Science
and Technology of Ionic
Motion

ORIGINAL PAPERS

Conductivity of Fe₂O₃-doped YSZ

V.I. Barbashov · N.N. Belousov 1051

Influence of hydrophilic properties on capacitive behavior of functionalized graphene

H. Tian · L. Wang · X. Qin · G. Shao 1055

Solvothermal synthesis and electrochemical performance of Ag-doped V₆O₁₃ as cathode material for lithium-ion battery

J. He · W. Wang · Z. Zou · F. Long · Z. Fu 1063

Thermodynamic properties and application of CBH model in the ac conductivity of LiNi_{1.5}P₂O₇ ceramic

R.B. Said · B. Louati · K. Guidara · S. Kamoun 1071

Preparation and electrochemical performances of submicro-TiP₂O₇ cathode for lithium ion batteries

Y. Hao · C. Wu · Y. Cui · K. Xu · Z. Yuan · Q. Zhuang 1079

Studies of the electrochemical properties and thermal stability of LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂/LiFePO₄ composite cathodes for lithium ion batteries

L. Liu · X. Yan · Y. Wang · D. Zhang · F. Du · C. Wang · G. Chen · Y. Wei 1087

Microstructural and electrochemical properties of rf-sputtered LiFePO₄ thin films

P. Rosaiah · O.M. Hussain 1095

Electrical properties and conductivity mechanism of LiCuFe₂(VO₄)₃

S. Kamoun · F. Hlel · M. Gargouri 1103

Molecular dynamics simulations of lanthanum oxide surfaces

M. Fang · S.P. Kelty · X. He 1111

Spontaneous stress-induced oxidation of Ce ions in Gd-doped ceria at room temperature

C. Munnings · S.P.S. Badwal · D. Fini 1117

PtRu electrocatalysts on carbon nanotubes treated by phenylphosphonic acid for electrooxidation of methanol

L. Meng · D. Cao · W. Liu · Y. Zhang · M. Zhao 1127

Effect of the TiO₂ content as support with carbon toward methanol electro-oxidation in alkaline media using platinum nanoparticles as electrocatalysts

J.C.M. Silva · R.F.B. De Souza · G.S. Buzzo · E.V. Spinacé · A.O. Neto · M.H.M.T. Assumpção 1137

Improvement in performance of a hyoscine butylbromide potentiometric sensor using a new nanocomposite carbon paste: a comparison study with polymeric membrane sensor

A. Afkhami · A. Shirzadmehr · T. Madrakian 1145

The first electrochemical sensor for determination of mangiferin based on an ionic liquid-graphene nanosheets paste electrode

S. Tajik · M.A. Taher · H. Beitollahi 1155

Lithium electrochromic properties of atmospheric pressure plasma jet-synthesized tungsten/molybdenum-mixed oxide films for flexible electrochromic device

Y.-S. Lin · T.-H. Tsai · W.-H. Lu · B.-S. Shie 1163

Electrodeposition of cobalt with tunable morphology from reverse micellar solution

S. Saha · S. Sultana · M.M. Islam · M.M. Rahman · M.Y.A. Mollah · M.A.B.H. Susan 1175

PROGRESS REPORT

Ferrocene partition calculation in a biodiesel/water interface using electrochemical methods

R.M.P. Silva · M.C. Maynard · H.B. Suffredini 1183

SHORT COMMUNICATIONS

Advanced electrochemical performances of Li₄Ti₅O₁₂/Ag prepared by a facile synthesis route

H. Ge · L. Chen · S. Lin · X. Shi · X.-M. Song 1189

The optimized preparation and electrochemical properties of LiMn_{1.95}Co_{0.05}O₄ and Al₂O₃-coated LiMn_{1.95}Co_{0.05}O₄

L. Zhao · E. Han · L. Zhu · Y. Li 1193

Further Articles can be found at link.springer.com

Abstracted/Indexed in:

Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, SCOPUS, INSPEC, Chemical Abstracts Service (CAS), Google Scholar, Academic OneFile, El Encompass, El-Compendex, EnCompassLit, Gale, OCLC, SClmago, Summon by ProQuest

Instructions for Authors for *Ionics* are available at www.springer.com/11581