

114
I-76/a

Ionics

International Journal
of Ionics The Science
and Technology of Ionic
Motion

ORIGINAL PAPERS

Conductivity and thermal stability of proton-conducting electrolytes at confined geometry of polymeric gel

L.E. Shmukler · N. Van Thuc · L.P. Safonova 701

Synthesis and electrochemical characterization of InSn₄ and InSn₄/C as new anode materials for lithium-ion batteries

Y. Zhu · X. Liu · H. Zhao · J. Wang 709

Synthesis and characterization of Li₄Ti₅O₁₂/graphene composite as anode material with enhanced electrochemical performance

Q. Zhang · W. Peng · Z. Wang · X. Li · X. Xiong · H. Guo · Z. Wang · F. Wu 717

Ex situ FTIR spectroscopy study of LiVPO₄F as cathode material for lithium-ion batteries

R. Ma · J. Shu · L. Hou · M. Shui · L. Shao · D. Wang · Y. Ren 725

The determination of Li⁺ mobility in solid electrolyte Li_{1.3}Al_{0.1}Zn_{0.1}Ti_{1.8}P₃O₁₂ in view of ionic diffusivity and conductivity

S. Gao · M. Shui · J. Shu · W. Zheng · L. Chen · L. Feng · Y. Ren 731

Surface coating of LiMn₂O₄ spinel via in situ hydrolysis route: effect of the solution

J. Yao · C. Shen · P. Zhang · D.H. Gregory · L. Wang 739

Combined effect of nanochitosan and succinonitrile on structural, mechanical, thermal, and electrochemical properties of plasticized nanocomposite polymer electrolytes (PNCP) for lithium batteries

K. Karuppasamy · R. Antony · S. Thanikaikarasan · S. Balakumar · X.S. Shajan 747

A polymer electrolyte based on poly(vinylidene fluoride-hexafluoropylene)/hydroxypropyl methyl cellulose blending for lithium-ion battery

Y. Ran · Z. Yin · Z. Ding · H. Guo · J. Yang 757

Physical and electrochemical characterizations of Ni-SiO₂ nanocomposite coatings

S. Kasturibai · G.P. Kalaignan 763

Improvement of a novel anode material TeO₂ by chlorine doping

Y. Wang · H.-L. Fei 771

Effect of ethylene carbonate concentration on structural and electrical properties of PEO-PMMA polymer blends

P. Sharma · D.K. Kanchan · N. Gondaliya 777

Formation of fast ion-conducting materials in BiI₃-Ag₂CrO₄ binary system

S.A. Suthanthiraraj · V.S. Shankaran 787

Plastic separators with improved properties for portable power device applications

A.L. Sharma · A.K. Thakur 795

Part II: Effect of high energy proton beam fluence on the electrical studies of lithium gallium phosphate glass electrolyte doped with selenium ions

C.V.K. Reddy · R.B. Rao · K.C. Mouli · D.V.R.K. Reddy · K.B.S. Krishna 811

ERRATUM

Erratum to: Part II: Effect of high energy proton beam fluence on the electrical studies of lithium gallium phosphate glass electrolyte doped with selenium ions

C.V.K. Reddy · R.B. Rao · K.C. Mouli · D.V.R.K. Reddy · K.B.S. Krishna 823

Further Articles can be found at www.springerlink.com

Abstracted/Indexed in:

Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, SCOPUS, Chemical Abstracts Service (CAS), Google Scholar, Academic OneFile, Chemistry Citation Index, ChemWeb, EI Encompass, EI-Compendex, EnCompassLit, Gale, Materials Science Citation Index, OCLC, SCImago, Summon by Serial Solutions

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