

Table of Contents

Volume 10 Number 1

January 2019

Facile Synthesis of Porous SnSb Alloy Anode for Li-Ion Battery

- W. Fan, C. L. Qin, W. M. Zhao, B. Liao.....1

Ion Radiation Detection Using Implanted Ultrahigh Molecular Weight Polyethylene Structures (UHMWPE)

- M. El-Muraikhi.....12

On the Vickers Microhardness and Wide-Angle X-Ray Line Width for Characterization of the Oxidative Stability of Poly(ethylene-co-propylene) Pipes

- A. A. Apostolov.....25

Nonlinear Organic Dielectrics for Energy Storage Applications

- L. Mourokh, Y. Li, R. Ghanan, P. Lazarev.....33

Improved Transfer Process for the Fully Additive Manufacturing of a Conductive Layer-Stacked Polymeric Cantilever

- S. Kanazawa, Y. Kusaka, N. Yamamoto, H. Ushijima.....45

Low Porosity in Cast Magnesium Welds by Advanced Laser Twin-Spot Welding

- K. Fahlström, J. Blackburn, L. Karlsson, L.-E. Svensson.....53

Effect of Nanofillers on Abrasion Resistance of Carbon Fiber Reinforced Phenolic Friction Composites

- B. B. Pattanashetty, S. Bheemappa, H. Rajashekaraiah, S. H. Mahadevappa.....65

The Application of a Representative Volume Element (RVE) Model for the Prediction of Rice Husk Particulate-Filled Polymer Composite Properties

- A. Saigal, P. Pochanard.....78