

Table of Contents

Foreword

Excitonic Quasimolecules in Quasi-Zero-Dimensional Nanosystems

S.I. Pokutnyi 1

Thiolated Carbon Nanotubes/CdSe Quantum Dot Based Hybrid Solar Cells with Improved Long-Term Stability

A.F. Madsuha, C. Van Pham and M. Krueger 7

Microstructure-Property Correlations of Multifunctional Si-Fe Nanocomposite

K. Basu, S. Chatterjee, A. Roychowdhury, D. Das and A. Basumallick 15

Investigations on Microwave Assisted Synthesis and Characterization of Bi₂WO₆ Nanoparticles

S. Sagadevan 24

Experimental Analysis on Vapour Compression Refrigeration System Using Nanolubricant with HFC-134a Refrigerant

A. Manoj Babu, S. Nallusamy and K. Rajan 33