

Table of Contents

Preface

Chapter 1: Advanced Functional Materials

Influence of Electrolyte Concentration on the Electrochemical Behavior of Copper Hexacyanoferrate as an Active Material for Zinc-Ion Batteries S. Lee, P.M. Nogales and S.K. Jeong	3
--	---

Ultrasound-Assisted Anthocyanins Extraction from Purple Cabbage for Optical Biosensor of Wound Healing Monitoring K. Vilcahuaman, M. Elgegren, A. Donaryre, J. Nakamatsu and S. Kim	9
---	---

Chapter 2: Chemical and Food Engineering

Hydrogen Production from Rice Husk: Techno-Economic and Life Cycle Analysis K.C. Kong, C.L.M. Eh, A.N.T. Tiong, J. Kansedo, W.P.Q. Ng, C.H. Lim and B.S. How	17
--	----

Improving Efficiency of Heat Pump Dryer Using R32 Refrigerant by Nanofluid P. Somsila, E. Boonthum, A. Namkhet and U. Teeboonma	23
---	----

Comparative Study on Performance of Passive and Active Solar Dryer E. Boonthum, S. Sirichana, A. Namkhet and U. Teeboonma	33
---	----

Chapter 3: Applied Technologies in Architecture

Visual Renovation of Cultural Heritage Buildings through Advanced Construction Materials - 2D-Printed Protective Cladding on Facade Scaffolds V.M. Tepeliev	43
---	----