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Nota di contenuto	Intro -- The 4th International Seminar on Fundamental and Application of Chemical Engineering -- Preface -- Table of Contents -- Chapter 1: Functional Nanomaterials -- The Effect of Calcination Temperature and Time on the Synthesis of Graphene nanoplatelets - TiO2 Composites on Photocatalytic Performance -- Effect of Gas Flowrate on the Properties and Photocatalytic Activity of ZnO-Ag Nanocomposite Materials Prepared by Flame Pyrolysis -- Chapter 2: Biomaterials -- Production of Bone Cement Composite from Polymethyl Methacrylate Produced in Laboratory Scale -- The Effectiveness of Hydroxyapatite as a Filler in Denture Base Materials Based on Polymethyl Methacrylate to Improving

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Acetate/Polyethylene Glycol Composite Beads for Adsorption of Methylene Blue in Batch System -- Influence of Current Density for Pollutant Removal from Palm Oil Mill Effluent -- Chapter 9: Materials for Energy Storage Devices -- Effect of Acid-Assisted Hydrothermal Carbonization Temperatures on the Hydrochar Properties for Supercapacitor Application -- Synthesis of Metal-Free Carbon Aerogel with Nitrogen-Doped from Pyrolysis of Cellulose Aerogels Based on Coir Fibers Using Ammonia-Urea System as Electrocatalyst of Oxygen Reduction Reaction for Cathode in Seawater Batteries -- Synthesis and Characterization of N-Doped Carbon Aerogel Based on Oil Palm Empty Fruit Bunch as Oxygen Reduction Reaction Electrocatalyst in Seawater Batteries -- Chapter 10: Thermal Performances of Energy Storage Devices -- The Effect of C-Rate Variation on Operating Temperature of NMC 5S5P Battery Pack -- Keyword Index -- Author Index.

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Sommario/riassunto

Selected peer-reviewed extended articles based on abstracts presented at the 4th International Seminar on Fundamental and Application of Chemical Engineering (ISFACHE 2022) Aggregated Book.

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