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Nota di contenuto	Advanced Research on Material Engineering, Electrical Engineering and Applied Technology II; Preface and Committee; Table of Contents; Chapter 1: Chemical Materials Research; Kinetics on the Ultrasonic-Assisted Extraction of Polysaccharides from Limonium bicolor kunze (Bge.); Characterization and Photoluminescence of Sr ₂ B ₂ O ₅ :Eu ³⁺ , Na ⁺ Red Phosphor; Synthesis and Fluorescence Properties of a New Eu(III) Complexes with -Diketone Ligand; Synthesis and Photochromism Studies of 1-(3,5-dimethyl-4-isoxazole)-2-[2-methyl-5-naphthyl-3-thienyl] perfluorocyclopentene Research on Photochromic Materials with Synthesis and Properties of a New Unsymmetrical Diarylethene 1-(2-cyano-1,5-dimethyl-4-pyrryl)-2-{2-methyl-[5-(4-methylene-bromine)phenyl]-3-thienyl} Perfluorocyclopentene Research on Photochromic Compounds with Synthesis and Properties of a Novel Unsymmetrical Diarylethene with a Benzothiophene and a Pyrrole Group; Research on Photochromic Materials with Synthesis and Properties of 1-(3,5-Dimethyl-4-isoxazolyl)-2-[2-methyl-5-(p-ethoxyphenyl)-3-thienyl] perfluorocyclopentene Synthesis and Properties Study of 1-(2,4-dimethoxyl-5-pyrimidinyl)-2-[2-methyl-5-(9-phenanthrene)-3-thienyl]

perfluorocyclopentene Research on Photochromic Materials with Synthesis and Application of 1-(2-methyl-3-benzothieryl)-2-[2-methyl-(5-ethynyl)trimethylsilane-3-thienyl] Perfluorocyclopentene; Research on Photochromic Compounds with Efficient Synthesis and Photochromic Properties of 1-(2-methyl-5-phenyl-3-thienyl)-2-[2-methyl-5-(4-pentylphenyl)-3-thienyl] perfluorocyclopentene Research on Photochromic Compounds with Efficient Synthesis and Photochromic Properties of 1-(2-methyl-5-chlorine-3-thienyl)-2-[2-methyl-5-(4-chlorophenyl)-3-thienyl] Perfluorocyclopentene Synthesis, Photochromism and Fluorescent Switch of 1-(2-methyl-1-benzofuran-3-yl)-2-(2-methyl-5-(4-benzylamine)-3-thienyl)) perfluorocyclopentene; Efficient Synthesis, Photochromism and Fluorescence Properties of a Novel Diarylethene Bearing a Fluorene Research on Photochromic Compounds with Synthesis and Photochromism of 1-(2-methyl-3-benzofuryl)-2-[2-methyl-5-[4-formyloxyethyl (Rhodamine-B)] phenyl-3-thienyl] Perfluorocyclopentene Efficient Synthesis, Photochromism and Fluorescence Properties of a Novel Diarylethene Bearing a Naphthalene; Synthesis and Properties of 1-[2,5-dimethyl-3-thienyl]-2-[2-methyl-5-(4-pentylphenyl)-3-thienyl] perfluorocyclopentene; Chapter 2: Materials Science, Processing and Application; Hydrophobic Modification on Surface of Silicone Rubber by Tetrafluoromethane Radio Frequency Inductively Coupled Plasma Study on Corrosion Behavior of Copper-Clad Steel Bars with Unclad Two-End Faces for Grounding Grids in the Coastal Soil

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 2 nd International Conference on Insulating Materials, Material Application and Electrical Engineering (MAEE2014), July 26-27, 2014, Nanjing, China. The 60 papers are grouped as follows: Chapter 1: Chemical Materials Research, Chapter 2: Materials Science, Processing and Application, Chapter 3: Power Systems and Electronics, Chapter 4: Detection, Control and Computational Methods, Algorithms
