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Altri autori (Persone)	ChengShengguo ZhangGuodong
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Nota di contenuto	Advances in Environmental Engineering; Preface, Conference Organization and Sponsors; Table of Contents; Chapter 1: Environmental Chemistry, Biology and Technology; Screening of a Microbial Flocculant Producing Silicate Bacteria MT5-2 and its Flocculating Activity; Study on the Preparation of Polymer Gel System with Oilfield Wastewater; Characterization of Organic Acids with Different Atmospheric Particle Sizes; Effects of Long-Term Fertilization Regimes on N ₂ -Fixing Bacteria in a Luvisol Soil of Northeast China A Comparative Research on Different Preparation Methods of Furfural Hydrogenation Non-Chromium CatalystsSeasonal Change of the Soil Physical, Chemical and Biological Properties of the VGCG Slope; A Novel Way of Catalyst-Free-Esterification of Ethyl Cellulose with Phthalic Anhydride; Determination of Reduce of Arsenic (III) Toxicity to Pseudomonas fluorescens Using Iron by Combined Methods; Study on Preparation of TiO ₂ Nanoparticle by Sol-Gel Method; The Influence of Temperature on the Content of Liver Glycogen and Muscle Glycogen in Sparrow

Microbial Degradation of Nitrobenzene by Immobilized Cells of *Micrococcus luteus*; Efficiency of Different Mass Transfer Modes in Electrochemical Oxidation Treatment for Landfill Leachate; Effects of Proliferation and Apoptosis in Human Gastric Cancer Cell Line SGC-7901 Induced by Zedoary Turmeric Oil; Mitomycin Induced Apoptosis in Human Leukemia K562 Cells; Study on Correlations between Sulfate-Reducing Bacteria and Geochemical Factors in Sediments from Baihua Lake; Heavy Metals (Cu and Zn) Release Kinetics in a Sediment Sample from the Inlet of Baihua Lake, China

Preparation and Characterization of Magnetically Core-Shell Structure Carbon Based Solid Sulfonic Acid; Release Kinetics of Phosphorus in Sediments from Baihua Lake; Determination of Ni(II) in Water Using Nanometer Attapulgite Adsorption via FAAS; Seasonal Variations of Heavy Metals in the Bivalve's mollusks from Ta-Peng Bay Lagoon in Southwestern Taiwan; Study on the Dispersion of Nanometer TiO₂ Powder by Sol-Gel Method; Effects of Chlorine Dioxide on the Bioactivity of Planktonic and Attached Bacteria Grown in Annular Reactor System

Study on Alkylation of Catechol with Ethanol by Al-P-Ti-Oxides; Activity of *Deinococcus radiodurans* on Chromium Ions; Microbial Activity in Soils of Vegetation-Growing Concrete Slopes; The Effect of the Chemical Osmosis on the Solute Transport in Geosynthetic Clay Liner; Isolation of Endophytic Fungi from *Xylocarpus granatum* and Study of Antimicrobial Activities; Influence of Carbon Dioxide Concentration on Microalgal Growth in a Bubble Column Photobioreactor; Influence of Lead (Pb) on the Antioxidation System of *Dishlia*

Time-Dependent Growth of Hematite (-Fe₂O₃) Nanotube Arrays Produced by Iron Anodizing in Ethylene Glycol Solution

Sommario/riassunto

These are the proceedings of the 3rd International Conference on Advanced Micro-Device Engineering (AMDE 2011), organized by the Advanced Technology Research Center, Gunma University, which was held on the 8th December 2011 in Kiryu, Japan. The scope of the conference covered: Materials Science, Chemical Science and Technology, Nano-Science and Technology, Photonic Devices and Technology, Novel Measurement and System Technology, Information and Communication Engineering and Medical Engineering. Review from Book News Inc.: Over 200 papers, peer reviewed and selected, cover environmental chemist
