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| 1. Record Nr. | UNINA9910462849803321 |
| Titolo | Advances in environmental engineering : selected, peer reviewed papers from the 2012 Global Conference on Civil, Structural and Environmental Engineering (GCCSEE 2012) & the 3rd International Symposium on Multi-Field Coupling Theory of Rock and Soil Media and its Applications, October 20-21, 2012, Yichang, China // edited by Guodong Zhang and Shengguo Cheng |
| Pubbl/distr/stampa | Durnten-Zurich, Switzerland : , : Trans Tech Publications, , [2012] ©2012 |
| ISBN | 3-03813-919-X |
| Descrizione fisica | 1 online resource (970 p.) |
| Collana | Advanced materials research ; ; v. 599 |
| Altri autori (Persone) | ChengShengguo ZhangGuodong |
| Disciplina | 628 |
| Soggetti | Structural engineering Sustainable design Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| 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 N2-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 TiO2 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 Magnetite 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
