Formation of metastable tetragonal zirconia nanoparticles: Competitive influence of the dopants and surface state
By: Gorban, Oksana; Synyakina, Susanna; Volkova, Galina; et al.
JOURNAL OF SOLID STATE CHEMISTRY
Volume: 232 Pages: 249-255 Published: DEC 2015

On updates of hybrid knowledge bases composed of ontologies and rules
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ARTIFICIAL INTELLIGENCE
Volume: 229 Pages: 33-104 Published: DEC 2015

Fresh-cut melon quality during storage: An NMR study of water transverse relaxation time
By: Fundo, Joana F.; Amaro, Ana L.; Madureira, Ana Raquel; et al.
JOURNAL OF FOOD ENGINEERING
Volume: 167 Pages: 71-76 Part: A Published: DEC 2015

Monochromatic Clique Decompositions of Graphs
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JOURNAL OF GRAPH THEORY
Volume: 80 Issue: 4 Pages: 287-298 Published: DEC 2015

Sliding mode angular position control for an 8/6 Switched Reluctance Machine: Theoretical concept, design and experimental results
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ELECTRIC POWER SYSTEMS RESEARCH
Volume: 129 Pages: 62-74 Published: DEC 2015

The Adapter module: A building block for Self-Learning Production Systems
By: Di Orio, Giovanni; Candido, Goncalo; Barata, Jose
ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING
Volume: 36 Special Issue: SI Pages: 25-35 Published: DEC 2015

A seed expanding cluster algorithm for deriving upwelling areas on sea surface temperature images
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COMPUTERS & GEOSCIENCES
Volume: 85 Special Issue: SI Pages: 74-85 Part: B Published: DEC 2015

Evaluation of the role of metrological traceability in health care: a comparison study by statistical approach
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ACCREDITATION AND QUALITY ASSURANCE
Volume: 20 Issue: 6 Pages: 457-464 Published: DEC 2015
Recursive subspace system identification for parametric fault detection in nonlinear systems  
By: Gil, P.; Santos, F.; Palma, L.; et al.  
APPLIED SOFT COMPUTING  
Volume: 37 Pages: 444-455 Published: DEC 2015

An efficient intelligent analysis system for confocal corneal endothelium images  
By: Sharif, M. S.; Qahwaji, R.; Shahamatnia, E.; et al.  
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE  
Volume: 122 Issue: 3 Pages: 421-436 Published: DEC 2015

13th European Vacuum Conference Joint meeting with 7th European Topical Conference on Hard Coatings and 9th Iberian Vacuum Meeting  
By: Teodoro, Orlando M. N. D.; Thornton, Geoff; Cavaleiro, Albano  
VACUUM  
Volume: 122 Special Issue: SI Pages: 243-244 Part: B Published: DEC 2015

Calculation of the angular dependence of the total electron yield  
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VACUUM  
Volume: 122 Special Issue: SI Pages: 255-259 Part: B Published: DEC 2015

Alterations in juvenile flatfish gill epithelia induced by sediment-bound toxicants: A comparative in situ and ex situ study  
By: Martins, Carla; Alves de Matos, Antonio P; Costa, Maria H; et al.  
MARINE ENVIRONMENTAL RESEARCH  
Volume: 112 Issue: Pt A Pages: 122-130 Published: DEC 2015

One-pot synthesis of dual-stimuli responsive hybrid PNIPAAm-chitosan microgels  
By: Echeverría, Coro; Soares, Paula; Robalo, Ana; et al.  
MATERIALS & DESIGN  
Volume: 86 Pages: 745-751 Published: DEC 2015

Extended RDF: Computability and complexity issues  
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ANNALS OF MATHEMATICS AND ARTIFICIAL INTELLIGENCE  
Volume: 75 Issue: 3-4 Pages: 267-334 Published: DEC 2015

Antimicrobial Contact-Active Oligo(2-oxazoline)-Grafted Surfaces for Fast Water Disinfection at the Point-of-Use  
By: Correia, Vanessa G.; Ferraria, Ana M.; Pinho, Mariana G.; et al.  
BIOMACROMOLECULES  
Volume: 16 Issue: 12 Pages: 3904-3915 Published: DEC 2015
Affinity analysis and application of dipeptides derived from L-tyrosine in plasmid purification
By: Ferreira, Soraia; Carvalho, Josue; Valente, Joana F. A.; et al.
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES
Volume: 1006 Pages: 47-58 Published: DEC 2015

5.5 W continuous-wave TEM00-mode Nd:YAG solar laser by a light-guide/2V-shaped pump cavity
APPLIED PHYSICS B-LASERS AND OPTICS
Volume: 121 Issue: 4 Pages: 473-482 Published: DEC 2015

Phytoremediation of Heavy Metal-Contaminated Soils Using the Perennial Energy Crops Miscanthus spp. and Arundo donax L.
By: Barbosa, Bruno; Boleo, Sara; Sidella, Sarah; et al.
BIOENERGY RESEARCH
Volume: 8 Issue: 4 Pages: 1500-1511 Published: DEC 2015

Perennial Grass Production Opportunities on Marginal Mediterranean Land
By: Fernando, Ana Luisa; Boleo, Sara; Barbosa, Bruno; et al.
BIOENERGY RESEARCH
Volume: 8 Issue: 4 Pages: 1523-1537 Published: DEC 2015

Life Cycle Assessment of Bioenergy and Bio-Based Products from Perennial Grasses Cultivated on Marginal Land in the Mediterranean Region
By: Schmidt, Tobias; Fernando, Ana Luisa; Monti, Andrea; et al.
BIOENERGY RESEARCH Volume: 8 Issue: 4 Pages: 1548-1561 Published: DEC 2015

Effects of water immersion on the bond behavior between CFRP plates and concrete substrate
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CONSTRUCTION AND BUILDING MATERIALS
Volume: 101 Pages: 326-337 Part: 1 Published: DEC 2015

Manufacture of furfural in biphasic media made up of an ionic liquid and a co-solvent
By: Peleteiro, Susana; da Costa Lopes, Andre M.; Garrote, Gil; et al.
INDUSTRIAL CROPS AND PRODUCTS
Volume: 77 Pages: 163-166 Published: DEC 2015

Ingestion of microplastics by commercial fish off the Portuguese coast
By: Neves, Diogo; Sobral, Paula; Ferreira, Joana Lia; et al.
MARINE POLLUTION BULLETIN
Volume: 101 Issue: 1 Pages: 119-26 Published: DEC 15
Nanoscopic Characterization of DNA within Hydrophobic Pores: Thermodynamics and Kinetics
By: Cruz, Fernando J. A. L.; de Pablo, Juan J.; Mota, Jose P. B.
BIOCHEMICAL ENGINEERING JOURNAL
Volume: 104 Special Issue: SI Pages: 41-47 Published: DEC 2015

Water-Induced Scandium Oxide Dielectric for Low-Operating Voltage n- and p-Type Metal-Oxide Thin-Film Transistors
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CO2 capture systems based on saccharides and organic superbases
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FARADAY DISCUSSIONS
Volume: 183 Pages: 429-444 Published: DEC 2015

Phenolic composition and antioxidant activity of kenaf leaves
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INDUSTRIAL CROPS AND PRODUCTS
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