

Mohd Sobri Takriff

List of Publications by Year in descending order

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167
papers

4,958
citations

81900

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docs citations

170
times ranked

5254
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Enhancement of biohydrogen production from palm oil mill effluent (POME): A review. International Journal of Hydrogen Energy, 2022, 47, 40637-40655. | 7.1 | 13 |
| 2 | Unveiling antimicrobial activity of microalgae <i>Chlorella sorokiniana</i> (UKM2), <i>Chlorella</i> sp. (UKM8) and <i>Scenedesmus</i> sp. (UKM9). Saudi Journal of Biological Sciences, 2022, 29, 1043-1052. | 3.8 | 27 |
| 3 | Investigation of Adding Silicon on Fatigue Properties of Aluminum Based Alloys. Silicon, 2021, 13, 1215-1222. | 3.3 | 3 |
| 4 | Comparison of separation performance of absorption column and membrane contactor system for biohydrogen upgraded from palm oil mill effluent fermentation. Environmental Progress and Sustainable Energy, 2021, 40, e13573. | 2.3 | 6 |
| 5 | Optimization of <i>Chlorella</i> biomass harvesting by flocculation and its potential for biofuel production. Journal of Applied Phycology, 2021, 33, 1621-1629. | 2.8 | 3 |
| 6 | Microalgae acclimatization in industrial wastewater and its effect on growth and primary metabolite composition. Algal Research, 2021, 53, 102163. | 4.6 | 51 |
| 7 | Cultivation and application of <i>Scenedesmus</i> sp. strain UKM9 in palm oil mill effluent treatment for enhanced nutrient removal. Journal of Cleaner Production, 2021, 294, 126295. | 9.3 | 7 |
| 8 | Techno-economic analysis of two-stage anaerobic system for biohydrogen and biomethane production from palm oil mill effluent. Journal of Environmental Chemical Engineering, 2021, 9, 105679. | 6.7 | 35 |
| 9 | Comprehensive evaluation of the integrated membrane contactor-microalgae photobioreactor system for simultaneous H ₂ purification and CO ₂ treatment from biomass fermented gases. Journal of Cleaner Production, 2021, 318, 128608. | 9.3 | 1 |
| 10 | Microalgae biofilms for the treatment of wastewater. , 2021, , 381-407. | | 0 |
| 11 | Flow characteristics within the wall boundary layers of swirling steam flow in a pipe comprising horizontal and inclined sections. Korean Journal of Chemical Engineering, 2020, 37, 19-36. | 2.7 | 4 |
| 12 | Biotechnological approach to generate green biohydrogen through the utilization of succinate-rich fermentation wastewater. International Journal of Hydrogen Energy, 2020, 45, 22246-22259. | 7.1 | 14 |
| 13 | Periodic compression and cavitation induced shear between steam-water two-phase flows for bio-materials degradation. International Journal of Environmental Science and Technology, 2020, 17, 1591-1626. | 3.5 | 4 |
| 14 | Drying sago pith waste in a fluidized bed dryer. Food and Bioproducts Processing, 2020, 123, 335-344. | 3.6 | 5 |
| 15 | Dose-response analysis of toxic effect from palm oil mill effluent (POME) by-products on biohydrogen producing bacteria – A preliminary study on microbial density and determination of EC50. Ecotoxicology and Environmental Safety, 2020, 203, 110991. | 6.0 | 9 |
| 16 | Carbon Emissions from Oil Palm Induced Forest and Peatland Conversion in Sabah and Sarawak, Malaysia. Forests, 2020, 11, 1285. | 2.1 | 15 |
| 17 | A Review of Southeast Asian Oil Palm and Its CO ₂ Fluxes. Sustainability, 2020, 12, 5077. | 3.2 | 28 |
| 18 | Potential Utilisation of Dark-Fermented Palm Oil Mill Effluent in Continuous Production of Biomethane by Self-Granulated Mixed Culture. Scientific Reports, 2020, 10, 9167. | 3.3 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Synthesis, characterization and gravimetric studies of novel triazole-based compound. International Journal of Low-Carbon Technologies, 2020, 15, 164-170. | 2.6 | 27 |
| 20 | Yield and energy optimization of the continuous catalytic regeneration reforming process based particle swarm optimization. Energy, 2020, 206, 118098. | 8.8 | 8 |
| 21 | Phycoremediation of palm oil mill effluent (POME) and CO ₂ fixation by locally isolated microalgae: Chlorella sorokiniana UKM2, Coelastrella sp. UKM4 and Chlorella pyrenoidosa UKM7. Journal of Water Process Engineering, 2020, 35, 101202. | 5.6 | 50 |
| 22 | Microalgae-bacteria interaction in palm oil mill effluent treatment. Journal of Water Process Engineering, 2020, 35, 101203. | 5.6 | 37 |
| 23 | Comparative toxicity effect of organic and inorganic substances in palm oil mill effluent (POME) using native microalgae species. Journal of Water Process Engineering, 2020, 34, 101165. | 5.6 | 24 |
| 24 | Recent advanced biotechnological strategies to enhance photo-fermentative biohydrogen production by purple non-sulphur bacteria: An overview. International Journal of Hydrogen Energy, 2020, 45, 13211-13230. | 7.1 | 79 |
| 25 | Quantum chemical elucidation on corrosion inhibition efficiency of Schiff base: DFT investigations supported by weight loss and SEM techniques. International Journal of Low-Carbon Technologies, 2020, 15, 202-209. | 2.6 | 58 |
| 26 | Computational Calculations, Gravimetric, and Surface Morphological Investigations of Corrosion Inhibition Effect of Triazole Derivative on Mild Steel in HCl. Journal of Computational and Theoretical Nanoscience, 2020, 17, 4797-4804. | 0.4 | 8 |
| 27 | A new synthesized coumarin-derived Schiff base as a corrosion inhibitor of mild steel surface in HCl medium: gravimetric and DFT studies. International Journal of Corrosion and Scale Inhibition, 2020, 9, . | 0.6 | 15 |
| 28 | Tunable morphology and band gap alteration of CuO-ZnO nanostructures based photocathode for solar photoelectrochemical cells. Materials Research Express, 2020, 7, 125010. | 1.6 | 6 |
| 29 | Potential of the microalgae-based integrated wastewater treatment and CO ₂ fixation system to treat Palm Oil Mill Effluent (POME) by indigenous microalgae; Scenedesmus sp. and Chlorella sp. Journal of Water Process Engineering, 2019, 32, 100907. | 5.6 | 69 |
| 30 | Enhancing morphology and compression properties of halloysite reinforced polyurethane nanocomposites using injection-moulding technique. Results in Physics, 2019, 14, 102507. | 4.1 | 6 |
| 31 | Valorising fermentation effluent rich in short-chain fatty acids and sugars for biohydrogen via photofermentation by Rhodobacter sphaeroides KCU-PS1. IOP Conference Series: Earth and Environmental Science, 2019, 268, 012077. | 0.3 | 3 |
| 32 | Feasibility of Biohydrogen Purification from Carbon Dioxide Mixture via Integrated Microalgae-Membrane Contactor Towards Zero Carbon Emission. IOP Conference Series: Earth and Environmental Science, 2019, 268, 012155. | 0.3 | 1 |
| 33 | Characterization the effects of nanofluids and heating on flow in a baffled vertical channel. International Journal of Mechanical and Materials Engineering, 2019, 14, . | 2.2 | 5 |
| 34 | Synthesis, Characterization, and Corrosion Inhibition Potential of Novel Thiosemicarbazone on Mild Steel in Sulfuric Acid Environment. Coatings, 2019, 9, 729. | 2.6 | 42 |
| 35 | Turbulence dissipation & its induced entrainment in subsonic swirling steam injected in cocurrent flowing water. International Journal of Heat and Mass Transfer, 2019, 145, 118716. | 4.8 | 15 |
| 36 | Nanohybrid membrane in algal-membrane photoreactor: Microalgae cultivation and wastewater polishing. Chinese Journal of Chemical Engineering, 2019, 27, 2799-2806. | 3.5 | 12 |

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| 37 | Assessing the feasibility of microalgae cultivation in agricultural wastewater: The nutrient characteristics. <i>Environmental Technology and Innovation</i> , 2019, 15, 100402. | 6.1 | 37 |
| 38 | The influence of titanium dioxide nanofiller ratio on morphology and surface properties of TiO ₂ /chitosan nanocomposite. <i>Results in Physics</i> , 2019, 13, 102296. | 4.1 | 42 |
| 39 | In Situ Controlled Surface Microstructure of 3D Printed Ti Alloy to Promote Its Osteointegration. <i>Materials</i> , 2019, 12, 815. | 2.9 | 14 |
| 40 | Analysis of the elemental composition and uptake mechanism of <i>Chlorella sorokiniana</i> for nutrient removal in agricultural wastewater under optimized response surface methodology (RSM) conditions. <i>Journal of Cleaner Production</i> , 2019, 210, 673-686. | 9.3 | 51 |
| 41 | Catalytic decomposition of methane over rare earth metal (Ce and La) oxides supported iron catalysts. <i>Applied Surface Science</i> , 2019, 467-468, 236-248. | 6.1 | 59 |
| 42 | A study on the inhibition of mild steel corrosion in hydrochloric acid environment by 4-methyl-2-(pyridin-3-yl)thiazole-5-carbohydrazide. <i>International Journal of Corrosion and Scale Inhibition</i> , 2019, 8, . | 0.6 | 14 |
| 43 | Novel ecofriendly corrosion inhibition of mild steel in strong acid environment: Adsorption studies and thermal effects. <i>International Journal of Corrosion and Scale Inhibition</i> , 2019, 8, . | 0.6 | 10 |
| 44 | Kinetic Model of Thermophilic Biohydrogen Production from POME. <i>International Journal of Integrated Engineering</i> , 2019, 11, . | 0.4 | 1 |
| 45 | Removal of Rhodamine Dye from Water Using Erbium Oxide Nanoparticles. <i>Korean Journal of Materials Research</i> , 2019, 29, 747-752. | 0.2 | 2 |
| 46 | Mathematical modeling, simulation, and analysis for predicting improvement opportunities in the continuous catalytic regeneration reforming process. <i>Chemical Engineering Research and Design</i> , 2018, 132, 235-251. | 5.6 | 15 |
| 47 | Growth improvement and metabolic profiling of native and commercial <i>Chlorella sorokiniana</i> strains acclimatized in recycled agricultural wastewater. <i>Bioresource Technology</i> , 2018, 247, 930-939. | 9.6 | 24 |
| 48 | Synthesis and characterization of Sm ³⁺ -doped ZnO nanoparticles via a sol-gel method and their photocatalytic application. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 85, 178-190. | 2.4 | 32 |
| 49 | Simulation of a Fluidized Bed Dryer for the Drying of Sago Waste. <i>Energies</i> , 2018, 11, 2383. | 3.1 | 11 |
| 50 | CO ₂ fixation capability of <i>Chlorella</i> sp. and its use in treating agricultural wastewater. <i>Journal of Applied Phycology</i> , 2018, 30, 3017-3027. | 2.8 | 29 |
| 51 | Catalytic decomposition of undiluted methane into hydrogen and carbon nanotubes over Pt promoted Ni/CeO ₂ catalysts. <i>New Journal of Chemistry</i> , 2018, 42, 14843-14856. | 2.8 | 55 |
| 52 | Integrated Palm Oil Mill Effluent Treatment and CO ₂ Sequestration by Microalgae. <i>Sains Malaysiana</i> , 2018, 47, 1455-1464. | 0.5 | 21 |
| 53 | Production of CO _x Free Hydrogen and Nanocarbon via Methane Decomposition Over Unsupported Porous Nickel and Iron Catalysts. <i>Journal of Cluster Science</i> , 2017, 28, 1579-1594. | 3.3 | 18 |
| 54 | Arabic gum as green agent for ZnO nanoparticles synthesis: properties, mechanism and antibacterial activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12100-12107. | 2.2 | 21 |

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| 55 | One-pot sol-gel synthesis of MgO nanoparticles supported nickel and iron catalysts for undiluted methane decomposition into CO _x free hydrogen and nanocarbon. Applied Catalysis B: Environmental, 2017, 218, 298-316. | 20.2 | 109 |
| 56 | One-pot sol-gel synthesis of Ni/TiO ₂ catalysts for methane decomposition into CO _x free hydrogen and multiwalled carbon nanotubes. International Journal of Hydrogen Energy, 2017, 42, 16495-16513. | 7.1 | 67 |
| 57 | Energy optimization for maximum energy saving with optimal modification in Continuous Catalytic Regeneration Reformer Process. Energy, 2017, 120, 774-784. | 8.8 | 6 |
| 58 | Harvesting microalgal biomass and lipid extraction for potential biofuel production: A review. Journal of Environmental Chemical Engineering, 2017, 5, 555-563. | 6.7 | 56 |
| 59 | A review of the potentials, challenges and current status of microalgae biomass applications in industrial wastewater treatment. Journal of Water Process Engineering, 2017, 20, 8-21. | 5.6 | 221 |
| 60 | Photocatalytic Degradation of Pentachlorophenol Using ZnO Nanoparticles: Study of Intermediates and Toxicity. International Journal of Environmental Research, 2017, 11, 461-473. | 2.3 | 12 |
| 61 | Palm oil mill effluent treatment and CO ₂ sequestration by using microalgae-sustainable strategies for environmental protection. Environmental Science and Pollution Research, 2017, 24, 20209-20240. | 5.3 | 36 |
| 62 | Solar photocatalytic degradation of 2-chlorophenol with ZnO nanoparticles: optimisation with D-optimal design and study of intermediate mechanisms. Environmental Science and Pollution Research, 2017, 24, 2804-2819. | 5.3 | 23 |
| 63 | Size and shape controlled of γ -Fe ₂ O ₃ nanoparticles prepared via sol-gel technique and their photocatalytic activity. Journal of Sol-Gel Science and Technology, 2017, 81, 880-893. | 2.4 | 40 |
| 64 | Oceans as bioenergy pools for methane production using activated methanogens in waste sewage sludge. Applied Energy, 2017, 202, 399-407. | 10.1 | 5 |
| 65 | THE EFFECT OF GLUCOSE ADDITION IN ACETONE-BUTANOL-ETHANOL FERMENTATION FROM PALM OIL MILL EFFLUENT BY Clostridium Acetobutylicum NCIMB 619. Malaysian Journal of Analytical Sciences, 2017, 21, 213-220. | 0.1 | 3 |
| 66 | ISOLATION, PURIFICATION AND IDENTIFICATION OF MICROALGAE FROM COAL-FIRED POWER PLANT ENVIRONMENT. Malaysian Journal of Analytical Sciences, 2017, 21, 460-469. | 0.1 | 4 |
| 67 | Tackling Carbon Emission with Nature: Effectiveness of Indigenous Microalgae Mixed Culture. MATEC Web of Conferences, 2016, 47, 05023. | 0.2 | 0 |
| 68 | Pre-treatments Anaerobic Palm Oil Mill Effluent (POME) for Microalgae Treatment. Indian Journal of Science and Technology, 2016, 9, . | 0.7 | 10 |
| 69 | Methane decomposition over unsupported mesoporous nickel ferrites: effect of reaction temperature on the catalytic activity and properties of the produced nanocarbon. RSC Advances, 2016, 6, 68081-68091. | 3.6 | 53 |
| 70 | Feasibility Studies of Vortex Flow Impact On the Proliferation of Algae in Hydrogen Production for Fuel Cell Applications. IOP Conference Series: Materials Science and Engineering, 2016, 160, 012092. | 0.6 | 1 |
| 71 | Enhanced growth and nutrients removal efficiency of Characium sp. cultured in agricultural wastewater via acclimatized inoculum and effluent recycling. Journal of Environmental Chemical Engineering, 2016, 4, 3426-3432. | 6.7 | 20 |
| 72 | Methane decomposition into CO _x free hydrogen and multiwalled carbon nanotubes over ceria, zirconia and lanthana supported nickel catalysts prepared via a facile solid state citrate fusion method. Energy Conversion and Management, 2016, 126, 302-315. | 9.2 | 79 |

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| 73 | Synthesis and characterisation of Co ²⁺ -incorporated ZnO nanoparticles prepared through a sol-gel method. <i>Advanced Powder Technology</i> , 2016, 27, 2439-2447. | 4.1 | 18 |
| 74 | Non-oxidative thermocatalytic decomposition of methane into CO _x free hydrogen and nanocarbon over unsupported porous NiO and Fe ₂ O ₃ catalysts. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 18509-18521. | 7.1 | 71 |
| 75 | Numerical and experimental investigations on the physical characteristics of supersonic steam jet induced hydrodynamic instabilities. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016, 11, 271-283. | 1.5 | 14 |
| 76 | Pressure stresses generated due to supersonic steam jet induced hydrodynamic instabilities. <i>Chemical Engineering Science</i> , 2016, 146, 44-63. | 3.8 | 14 |
| 77 | Biomass production and nutrients removal by a newly-isolated microalgal strain <i>Chlamydomonas</i> sp in palm oil mill effluent (POME). <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4888-4895. | 7.1 | 94 |
| 78 | Void fraction of supersonic steam jet in subcooled water. <i>Flow Measurement and Instrumentation</i> , 2016, 47, 35-44. | 2.0 | 17 |
| 79 | Enhancement of 2-chlorophenol photocatalytic degradation in the presence Co ²⁺ -doped ZnO nanoparticles under direct solar radiation. <i>Research on Chemical Intermediates</i> , 2016, 42, 5219-5236. | 2.7 | 18 |
| 80 | Synthesis of Vanadium Pentoxide Nanoparticles as Catalysts for the Ozonation of Palm Oil. <i>Ozone: Science and Engineering</i> , 2016, 38, 36-41. | 2.5 | 10 |
| 81 | Comparative Studies on Thermal Performance of Conic Cut Twist Tape Inserts with SiO ₂ and TiO ₂ Nanofluids. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-14. | 2.7 | 5 |
| 82 | Chemical and Physical Properties Investigation as Indicators for the Ozonation Reaction Completion of Palm Olein. <i>Ozone: Science and Engineering</i> , 2015, 37, 503-508. | 2.5 | 2 |
| 83 | Optimization of nickel oxide nanoparticle synthesis through the sol-gel method using Box-Behnken design. <i>Materials and Design</i> , 2015, 86, 948-956. | 7.0 | 72 |
| 84 | Determining potential of subcooling to attenuate hydrodynamic instabilities for steam-water two phase flow. <i>International Journal of Heat and Mass Transfer</i> , 2015, 84, 178-197. | 4.8 | 15 |
| 85 | Methane decomposition over Pd promoted Ni/MgAl ₂ O ₄ catalysts for the production of CO _x free hydrogen and multiwalled carbon nanotubes. <i>Applied Surface Science</i> , 2015, 356, 1320-1326. | 6.1 | 82 |
| 86 | Chemical Composition of Native and Ammonia Fiber Expansion Pretreated Rice Straw-Unextracted versus Extractives-free Material. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 74, . | 0.4 | 0 |
| 87 | Optimization of Integrated Impeller Mixer via Radiotracer Experiments. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8. | 2.1 | 1 |
| 88 | Heat Transfer Enhancement of Laminar Nanofluids Flow in a Circular Tube Fitted with Parabolic-Cut Twisted Tape Inserts. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7. | 2.1 | 24 |
| 89 | Optimization of a Continuous Hybrid Impeller Mixer via Computational Fluid Dynamics. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6. | 2.1 | 2 |
| 90 | <sc>CFD</sc> Simulation of Heat Transfer Augmentation in a Circular Tube Fitted with Alternative Axis Twisted Tape in Laminar Flow under a Constant Heat Flux. <i>Heat Transfer - Asian Research</i> , 2014, 43, 384-396. | 2.8 | 14 |

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| 91 | An overview: biomolecules from microalgae for animal feed and aquaculture. Journal of Biological Research, 2014, 21, 6. | 2.1 | 267 |
| 92 | Experimental and Numerical Investigations of Heat Transfer Characteristics for Impinging Swirl Flow. Advances in Mechanical Engineering, 2014, 6, 631081. | 1.6 | 9 |
| 93 | Performance of AFEX [®] pretreated rice straw as source of fermentable sugars: the influence of particle size. Biotechnology for Biofuels, 2013, 6, 40. | 6.2 | 69 |
| 94 | The effect of process parameters on the size of ZnO nanoparticles synthesized via the sol-gel technique. Journal of Alloys and Compounds, 2013, 550, 63-70. | 5.5 | 156 |
| 95 | Visible light photocatalytic activity of Fe ³⁺ -doped ZnO nanoparticle prepared via sol-gel technique. Chemosphere, 2013, 91, 1604-1611. | 8.2 | 240 |
| 96 | Photocatalytic degradation of chlorophenols under direct solar radiation in the presence of ZnO catalyst. Research on Chemical Intermediates, 2013, 39, 1981-1996. | 2.7 | 27 |
| 97 | Optimization of process parameters using D-optimal design for synthesis of ZnO nanoparticles via sol-gel technique. Journal of Industrial and Engineering Chemistry, 2013, 19, 99-105. | 5.8 | 75 |
| 98 | Kinetics Transformation of Anatase to Rutile Phase for Titanium Dioxide Nanoparticles Prepared by Sol-Gel Method. Materials Science Forum, 2013, 756, 11-15. | 0.3 | 0 |
| 99 | CFD analysis of heat transfer and friction factor characteristics in a circular tube fitted with horizontal baffles twisted tape inserts. IOP Conference Series: Materials Science and Engineering, 2013, 50, 012034. | 0.6 | 6 |
| 100 | CFD Simulation of Heat Transfer and Friction Factor Augmentation in a Circular Tube Fitted with Elliptic-Cut Twisted Tape Inserts. Mathematical Problems in Engineering, 2013, 2013, 1-7. | 1.1 | 8 |
| 101 | CFD Analysis of Heat Transfer and Friction Factor Characteristics in a Circular Tube Fitted with Quadrant-Cut Twisted Tape Inserts. Mathematical Problems in Engineering, 2013, 2013, 1-8. | 1.1 | 8 |
| 102 | ERT Visualization of Gas Dispersion Performance of Aerofoil and Radial Impellers in an Agitated Vessel. Jurnal Teknologi (Sciences and Engineering), 2013, 64, . | 0.4 | 3 |
| 103 | Potential of Micro and Macro Algae for Biofuel Production: A Brief Review. BioResources, 2013, 9, . | 1.0 | 43 |
| 104 | Numerical Investigation of Heat Transfer and Friction Factor Characteristics in a Circular Tube Fitted with V-Cut Twisted Tape Inserts. Scientific World Journal, The, 2013, 2013, 1-8. | 2.1 | 20 |
| 105 | Acetone-butanol-ethanol Fermentation From Palm Oil Mill Effluent Using Clostridium acetobutylicum. , 2013, , 35-41. | | 1 |
| 106 | Bioremediation of Palm Oil Mill Effluents (POME) Using <i>Scenedesmus dimorphus</i> and <i>Chlorella vulgaris</i> . Advanced Science Letters, 2013, 19, 2914-2918. | 0.2 | 27 |
| 107 | Effect of oscillation amplitude on velocity distributions in an oscillatory baffled column (OBC). Chemical Engineering Research and Design, 2012, 90, 1038-1044. | 5.6 | 15 |
| 108 | Students' Feedback on Integrated Project after 5-Years Implementation in Chemical and Biochemical Engineering Programme. Procedia, Social and Behavioral Sciences, 2012, 60, 21-29. | 0.5 | 0 |

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| 109 | JKKP Experience in Conducting Integrated Project since Session 2006/2007. Procedia, Social and Behavioral Sciences, 2012, 60, 42-51. | 0.5 | 1 |
| 110 | Programme Outcome Achievements of Chemical and Biochemical Engineering Graduates Through Exit Survey. Procedia, Social and Behavioral Sciences, 2012, 60, 294-299. | 0.5 | 1 |
| 111 | Soft Skill Development Via Chem-E-Car Project. Procedia, Social and Behavioral Sciences, 2012, 60, 507-511. | 0.5 | 12 |
| 112 | Analysis of Integrated Project Effectiveness in the Implementation of Generic Skills. Procedia, Social and Behavioral Sciences, 2012, 60, 512-521. | 0.5 | 4 |
| 113 | Corrosion Inhibition of Mild Steel in 1.0 M HCl by Amino Compound: Electrochemical and DFT Studies. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 3379-3386. | 2.2 | 13 |
| 114 | Inhibition of aluminum corrosion by phthalazinone and synergistic effect of halide ion in 1.0M HCl. Current Applied Physics, 2012, 12, 325-330. | 2.4 | 47 |
| 115 | Quantum chemical studies on corrosion inhibition for series of thio compounds on mild steel in hydrochloric acid. Journal of Industrial and Engineering Chemistry, 2012, 18, 551-555. | 5.8 | 38 |
| 116 | The role of 4-amino-5-phenyl-4H-1,2,4-triazole-3-thiol in the inhibition of nickel-aluminum bronze alloy corrosion: electrochemical and DFT studies. Research on Chemical Intermediates, 2012, 38, 91-103. | 2.7 | 24 |
| 117 | Electrochemical and quantum chemical studies on phthalhydrazide as corrosion inhibitor for mild steel in 1M HCl solution. Research on Chemical Intermediates, 2012, 38, 453-461. | 2.7 | 14 |
| 118 | Preparation, characterization, and theoretical studies of azelaic acid derived from oleic acid by use of a novel ozonolysis method. Research on Chemical Intermediates, 2012, 38, 659-668. | 2.7 | 28 |
| 119 | Phycoremediation in Anaerobically Digested Palm Oil Mill Effluent Using Cyanobacterium, <i>Spirulina platensis</i> . Journal of Biobased Materials and Bioenergy, 2012, 6, 704-709. | 0.3 | 22 |
| 120 | Students' feedback in the continuous quality improvement cycle of engineering education. , 2011, , . | | 9 |
| 121 | Solar Photocatalytic Degradation of 2,4-Dichlorophenol by TiO ₂ Nanoparticle Prepared by Sol-Gel Method. Advanced Materials Research, 2011, 233-235, 3032-3035. | 0.3 | 4 |
| 122 | Comparative study between open ended laboratory and traditional laboratory. , 2011, , . | | 11 |
| 123 | Synergistic effect of potassium iodide with phthalazone on the corrosion inhibition of mild steel in 1.0 M HCl. Corrosion Science, 2011, 53, 3672-3677. | 6.6 | 102 |
| 124 | EFFECT OF TEMPERATURE ON THE RHEOLOGICAL BEHAVIOUR OF 'JOSAPINE' PINEAPPLE (ANANAS COMOSUS) Tj ETQq0 0 0rgBT /Over | 0.2 | |
| 125 | CHEMICAL COMPOSITIONS AND THERMAL PROPERTIES OF THE JOSAPINE VARIETY OF PINEAPPLE FRUIT (ANANAS COMOSUS L.) IN DIFFERENT STORAGE SYSTEMS. Journal of Food Process Engineering, 2011, 34, 1558-1572. | 2.9 | 6 |
| 126 | Molecular dynamics and quantum chemical calculation studies on 4,4-dimethyl-3-thiosemicarbazide as corrosion inhibitor in 2.5M H ₂ SO ₄ . Materials Chemistry and Physics, 2011, 129, 660-665. | 4.0 | 110 |

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| 127 | Antimicrobial and Antioxidant Activities of New Metal Complexes Derived from 3-Aminocoumarin. <i>Molecules</i> , 2011, 16, 6969-6984. | 3.8 | 84 |
| 128 | Forming of Corrosion Inhibitor Film during Turbulent Flow. <i>Applied Mechanics and Materials</i> , 2011, 66-68, 540-544. | 0.2 | 2 |
| 129 | Inhibition of galvanic corrosion by 4-amino-5-phenyl-4H-1, 2, 4-triazole-3-thiol. <i>International Journal of Surface Science and Engineering</i> , 2011, 5, 226. | 0.4 | 10 |
| 130 | A statistical analysis on effect of cryogenic treatment on load bearing ability of interference fitted assemblies. <i>International Journal of Surface Science and Engineering</i> , 2011, 5, 232. | 0.4 | 0 |
| 131 | Determination of Mild Steel Corrosion Rate under Turbulent Flow in Highly Acidic Solution. <i>Journal of Applied Sciences</i> , 2011, 11, 2464-2466. | 0.3 | 3 |
| 132 | Consequence modelling of a dust explosion. , 2011, , . | | 0 |
| 133 | Adsorption isotherm mechanism of amino organic compounds as mild steel corrosion inhibitors by electrochemical measurement method. <i>Central South University</i> , 2010, 17, 34-39. | 0.5 | 24 |
| 134 | MAFRAMâ€”A new fate and risk assessment methodology for non-volatile organic chemicals. <i>Journal of Hazardous Materials</i> , 2010, 181, 1080-1087. | 12.4 | 9 |
| 135 | Kinetic behavior of mild steel corrosion inhibition by 4-amino-5-phenyl-4H-1,2,4-triazole-3-thiol. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2010, 41, 126-128. | 5.3 | 44 |
| 136 | Corrosion inhibitive property of 4-amino-5-phenyl-4H-1,2,4-triazole-3-thiol for mild steel corrosion in 1Â•OM hydrochloric acid. <i>Corrosion Engineering Science and Technology</i> , 2010, 45, 163-168. | 1.4 | 33 |
| 137 | Inhibition of Mild Steel Corrosion under Hydrodynamic Conditions. , 2010, , . | | 3 |
| 138 | On the inhibition of mild steel corrosion by 4-amino-5-phenyl-4H-1, 2, 4-triazole-3-thiol. <i>Corrosion Science</i> , 2010, 52, 526-533. | 6.6 | 183 |
| 139 | Experimental and theoretical study on the inhibition performance of triazole compounds for mild steel corrosion. <i>Corrosion Science</i> , 2010, 52, 3331-3340. | 6.6 | 166 |
| 140 | Review: Integrating Optimization Module into Chemical Process Simulation. <i>Journal of Applied Sciences</i> , 2010, 10, 2493-2498. | 0.3 | 1 |
| 141 | The Effect of Initial Butyric Acid Addition on ABE Fermentation by <i>C. acetobutylicum</i> NCIMB 619. <i>Journal of Applied Sciences</i> , 2010, 10, 2709-2712. | 0.3 | 7 |
| 142 | Adsorption Kinetics of 4-Amino-5-Phenyl-4H-1, 2, 4-Triazole-3-Thiol on Mild Steel Surface. <i>Portugaliae Electrochimica Acta</i> , 2010, 28, 221-230. | 1.1 | 46 |
| 143 | Rheological properties of Jospine pineapple juice at different stages of maturity. <i>International Journal of Food Science and Technology</i> , 2009, 44, 757-762. | 2.7 | 22 |
| 144 | Hydrogen purification using compact pressure swing adsorption system for fuel cell. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 2771-2777. | 7.1 | 81 |

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