

# Mohd Sobri Takriff

## List of Publications by Year in descending order

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Version: 2024-02-01

167  
papers

4,958  
citations

81839

39  
h-index

110317

64  
g-index

170  
all docs

170  
docs citations

170  
times ranked

5254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of biohydrogen production from palm oil mill effluent (POME): A review. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 40637-40655.	3.8	13
2	Unveiling antimicrobial activity of microalgae <i>Chlorella sorokiniana</i> (UKM2), <i>Chlorella</i> sp. (UKM8) and <i>Scenedesmus</i> sp. (UKM9). <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 1043-1052.	1.8	27
3	Investigation of Adding Silicon on Fatigue Properties of Aluminum Based Alloys. <i>Silicon</i> , 2021, 13, 1215-1222.	1.8	3
4	Comparison of separation performance of absorption column and membrane contactor system for biohydrogen upgraded from palm oil mill effluent fermentation. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, e13573.	1.3	6
5	Optimization of <i>Chlorella</i> biomass harvesting by flocculation and its potential for biofuel production. <i>Journal of Applied Phycology</i> , 2021, 33, 1621-1629.	1.5	3
6	Microalgae acclimatization in industrial wastewater and its effect on growth and primary metabolite composition. <i>Algal Research</i> , 2021, 53, 102163.	2.4	51
7	Cultivation and application of <i>Scenedesmus</i> sp. strain UKM9 in palm oil mill effluent treatment for enhanced nutrient removal. <i>Journal of Cleaner Production</i> , 2021, 294, 126295.	4.6	7
8	Techno-economic analysis of two-stage anaerobic system for biohydrogen and biomethane production from palm oil mill effluent. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105679.	3.3	35
9	Comprehensive evaluation of the integrated membrane contactor-microalgae photobioreactor system for simultaneous H <sub>2</sub> purification and CO <sub>2</sub> treatment from biomass fermented gases. <i>Journal of Cleaner Production</i> , 2021, 318, 128608.	4.6	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. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 19-36.	1.2	4
12	Biotechnological approach to generate green biohydrogen through the utilization of succinate-rich fermentation wastewater. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 22246-22259.	3.8	14
13	Periodic compression and cavitation induced shear between steam-water two-phase flows for bio-materials degradation. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 1591-1626.	1.8	4
14	Drying sago pith waste in a fluidized bed dryer. <i>Food and Bioproducts Processing</i> , 2020, 123, 335-344.	1.8	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. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 110991.	2.9	9
16	Carbon Emissions from Oil Palm Induced Forest and Peatland Conversion in Sabah and Sarawak, Malaysia. <i>Forests</i> , 2020, 11, 1285.	0.9	15
17	A Review of Southeast Asian Oil Palm and Its CO <sub>2</sub> Fluxes. <i>Sustainability</i> , 2020, 12, 5077.	1.6	28
18	Potential Utilisation of Dark-Fermented Palm Oil Mill Effluent in Continuous Production of Biomethane by Self-Granulated Mixed Culture. <i>Scientific Reports</i> , 2020, 10, 9167.	1.6	12

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19	Synthesis, characterization and gravimetric studies of novel triazole-based compound. <i>International Journal of Low-Carbon Technologies</i> , 2020, 15, 164-170.	1.2	27
20	Yield and energy optimization of the continuous catalytic regeneration reforming process based particle swarm optimization. <i>Energy</i> , 2020, 206, 118098.	4.5	8
21	Phycoremediation of palm oil mill effluent (POME) and CO <sub>2</sub> fixation by locally isolated microalgae: <i>Chlorella sorokiniana</i> UKM2, <i>Coelastrella</i> sp. UKM4 and <i>Chlorella pyrenoidosa</i> UKM7. <i>Journal of Water Process Engineering</i> , 2020, 35, 101202.	2.6	50
22	Microalgae-bacteria interaction in palm oil mill effluent treatment. <i>Journal of Water Process Engineering</i> , 2020, 35, 101203.	2.6	37
23	Comparative toxicity effect of organic and inorganic substances in palm oil mill effluent (POME) using native microalgae species. <i>Journal of Water Process Engineering</i> , 2020, 34, 101165.	2.6	24
24	Recent advanced biotechnological strategies to enhance photo-fermentative biohydrogen production by purple non-sulphur bacteria: An overview. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13211-13230.	3.8	79
25	Quantum chemical elucidation on corrosion inhibition efficiency of Schiff base: DFT investigations supported by weight loss and SEM techniques. <i>International Journal of Low-Carbon Technologies</i> , 2020, 15, 202-209.	1.2	58
26	Computational Calculations, Gravimetric, and Surface Morphological Investigations of Corrosion Inhibition Effect of Triazole Derivative on Mild Steel in HCl. <i>Journal of Computational and Theoretical Nanoscience</i> , 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. <i>International Journal of Corrosion and Scale Inhibition</i> , 2020, 9, .	0.5	15
28	Tunable morphology and band gap alteration of CuO-ZnO nanostructures based photocathode for solar photoelectrochemical cells. <i>Materials Research Express</i> , 2020, 7, 125010.	0.8	6
29	Potential of the microalgae-based integrated wastewater treatment and CO <sub>2</sub> fixation system to treat Palm Oil Mill Effluent (POME) by indigenous microalgae; <i>Scenedesmus</i> sp. and <i>Chlorella</i> sp. <i>Journal of Water Process Engineering</i> , 2019, 32, 100907.	2.6	69
30	Enhancing morphology and compression properties of halloysite reinforced polyurethane nanocomposites using injection-moulding technique. <i>Results in Physics</i> , 2019, 14, 102507.	2.0	6
31	Valorising fermentation effluent rich in short-chain fatty acids and sugars for biohydrogen via photofermentation by <i>Rhodobacter sphaeroides</i> KKU-PS1. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012077.	0.2	3
32	Feasibility of Biohydrogen Purification from Carbon Dioxide Mixture via Integrated Microalgae-Membrane Contactor Towards Zero Carbon Emission. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012155.	0.2	1
33	Characterization the effects of nanofluids and heating on flow in a baffled vertical channel. <i>International Journal of Mechanical and Materials Engineering</i> , 2019, 14, .	1.1	5
34	Synthesis, Characterization, and Corrosion Inhibition Potential of Novel Thiosemicarbazone on Mild Steel in Sulfuric Acid Environment. <i>Coatings</i> , 2019, 9, 729.	1.2	42
35	Turbulence dissipation & its induced entrainment in subsonic swirling steam injected in cocurrent flowing water. <i>International Journal of Heat and Mass Transfer</i> , 2019, 145, 118716.	2.5	15
36	Nanohybrid membrane in algal-membrane photoreactor: Microalgae cultivation and wastewater polishing. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 2799-2806.	1.7	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.	3.0	37
38	The influence of titanium dioxide nanofiller ratio on morphology and surface properties of TiO <sub>2</sub> /chitosan nanocomposite. <i>Results in Physics</i> , 2019, 13, 102296.	2.0	42
39	In Situ Controlled Surface Microstructure of 3D Printed Ti Alloy to Promote Its Osteointegration. <i>Materials</i> , 2019, 12, 815.	1.3	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.	4.6	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.	3.1	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, .	0.5	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, .	0.5	10
44	Kinetic Model of Thermophilic Biohydrogen Production from POME. <i>International Journal of Integrated Engineering</i> , 2019, 11, .	0.2	1
45	Removal of Rhodamine Dye from Water Using Erbium Oxide Nanoparticles. <i>Korean Journal of Materials Research</i> , 2019, 29, 747-752.	0.1	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.	2.7	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.	4.8	24
48	Synthesis and characterization of Sm <sup>3+</sup> -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.	1.1	32
49	Simulation of a Fluidized Bed Dryer for the Drying of Sago Waste. <i>Energies</i> , 2018, 11, 2383.	1.6	11
50	CO <sub>2</sub> fixation capability of <i>Chlorella</i> sp. and its use in treating agricultural wastewater. <i>Journal of Applied Phycology</i> , 2018, 30, 3017-3027.	1.5	29
51	Catalytic decomposition of undiluted methane into hydrogen and carbon nanotubes over Pt promoted Ni/CeO <sub>2</sub> catalysts. <i>New Journal of Chemistry</i> , 2018, 42, 14843-14856.	1.4	55
52	Integrated Palm Oil Mill Effluent Treatment and CO <sub>2</sub> Sequestration by Microalgae. <i>Sains Malaysiana</i> , 2018, 47, 1455-1464.	0.3	21
53	Production of CO <sub>x</sub> Free Hydrogen and Nanocarbon via Methane Decomposition Over Unsupported Porous Nickel and Iron Catalysts. <i>Journal of Cluster Science</i> , 2017, 28, 1579-1594.	1.7	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.	1.1	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 <sub>x</sub> free hydrogen and nanocarbon. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 298-316.	10.8	109
56	One-pot sol-gel synthesis of Ni/TiO <sub>2</sub> catalysts for methane decomposition into CO <sub>x</sub> free hydrogen and multiwalled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16495-16513.	3.8	67
57	Energy optimization for maximum energy saving with optimal modification in Continuous Catalytic Regeneration Reformer Process. <i>Energy</i> , 2017, 120, 774-784.	4.5	6
58	Harvesting microalgal biomass and lipid extraction for potential biofuel production: A review. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 555-563.	3.3	56
59	A review of the potentials, challenges and current status of microalgae biomass applications in industrial wastewater treatment. <i>Journal of Water Process Engineering</i> , 2017, 20, 8-21.	2.6	221
60	Photocatalytic Degradation of Pentachlorophenol Using ZnO Nanoparticles: Study of Intermediates and Toxicity. <i>International Journal of Environmental Research</i> , 2017, 11, 461-473.	1.1	12
61	Palm oil mill effluent treatment and CO <sub>2</sub> sequestration by using microalgae-sustainable strategies for environmental protection. <i>Environmental Science and Pollution Research</i> , 2017, 24, 20209-20240.	2.7	36
62	Solar photocatalytic degradation of 2-chlorophenol with ZnO nanoparticles: optimisation with D-optimal design and study of intermediate mechanisms. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2804-2819.	2.7	23
63	Size and shape controlled of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles prepared via sol-gel technique and their photocatalytic activity. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 880-893.	1.1	40
64	Oceans as bioenergy pools for methane production using activated methanogens in waste sewage sludge. <i>Applied Energy</i> , 2017, 202, 399-407.	5.1	5
65	THE EFFECT OF GLUCOSE ADDITION IN ACETONE-BUTANOL-ETHANOL FERMENTATION FROM PALM OIL MILL EFFLUENT BY <i>Clostridium Acetobutylicum</i> NCIMB 619. <i>Malaysian Journal of Analytical Sciences</i> , 2017, 21, 213-220.	0.2	3
66	ISOLATION, PURIFICATION AND IDENTIFICATION OF MICROALGAE FROM COAL-FIRED POWER PLANT ENVIRONMENT. <i>Malaysian Journal of Analytical Sciences</i> , 2017, 21, 460-469.	0.2	4
67	Tackling Carbon Emission with Nature: Effectiveness of Indigenous Microalgae Mixed Culture. <i>MATEC Web of Conferences</i> , 2016, 47, 05023.	0.1	0
68	Pre-treatments Anaerobic Palm Oil Mill Effluent (POME) for Microalgae Treatment. <i>Indian Journal of Science and Technology</i> , 2016, 9, .	0.5	10
69	Methane decomposition over unsupported mesoporous nickel ferrites: effect of reaction temperature on the catalytic activity and properties of the produced nanocarbon. <i>RSC Advances</i> , 2016, 6, 68081-68091.	1.7	53
70	Feasibility Studies of Vortex Flow Impact On the Proliferation of Algae in Hydrogen Production for Fuel Cell Applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 160, 012092.	0.3	1
71	Enhanced growth and nutrients removal efficiency of <i>Characium</i> sp. cultured in agricultural wastewater via acclimatized inoculum and effluent recycling. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3426-3432.	3.3	20
72	Methane decomposition into CO <sub>x</sub> free hydrogen and multiwalled carbon nanotubes over ceria, zirconia and lanthana supported nickel catalysts prepared via a facile solid state citrate fusion method. <i>Energy Conversion and Management</i> , 2016, 126, 302-315.	4.4	79

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73	Synthesis and characterisation of Co <sup>2+</sup> -incorporated ZnO nanoparticles prepared through a sol-gel method. <i>Advanced Powder Technology</i> , 2016, 27, 2439-2447.	2.0	18
74	Non-oxidative thermocatalytic decomposition of methane into CO <sub>x</sub> free hydrogen and nanocarbon over unsupported porous NiO and Fe <sub>2</sub> O <sub>3</sub> catalysts. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 18509-18521.	3.8	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.	0.8	14
76	Pressure stresses generated due to supersonic steam jet induced hydrodynamic instabilities. <i>Chemical Engineering Science</i> , 2016, 146, 44-63.	1.9	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.	3.8	94
78	Void fraction of supersonic steam jet in subcooled water. <i>Flow Measurement and Instrumentation</i> , 2016, 47, 35-44.	1.0	17
79	Enhancement of 2-chlorophenol photocatalytic degradation in the presence Co <sup>2+</sup> -doped ZnO nanoparticles under direct solar radiation. <i>Research on Chemical Intermediates</i> , 2016, 42, 5219-5236.	1.3	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.	1.4	10
81	Comparative Studies on Thermal Performance of Conic Cut Twist Tape Inserts with SiO <sub>2</sub> and TiO <sub>2</sub> Nanofluids. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-14.	1.5	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.	1.4	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.	3.3	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.	2.5	15
85	Methane decomposition over Pd promoted Ni/MgAl <sub>2</sub> O <sub>4</sub> catalysts for the production of CO <sub>x</sub> free hydrogen and multiwalled carbon nanotubes. <i>Applied Surface Science</i> , 2015, 356, 1320-1326.	3.1	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, .	0.3	0
87	Optimization of Integrated Impeller Mixer via Radiotracer Experiments. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	0.8	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.	0.8	24
89	Optimization of a Continuous Hybrid Impeller Mixer via Computational Fluid Dynamics. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6.	0.8	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. <i>Journal of Biological Research</i> , 2014, 21, 6.	2.2	267
92	Experimental and Numerical Investigations of Heat Transfer Characteristics for Impinging Swirl Flow. <i>Advances in Mechanical Engineering</i> , 2014, 6, 631081.	0.8	9
93	Performance of AFEX <sup>®</sup> pretreated rice straw as source of fermentable sugars: the influence of particle size. <i>Biotechnology for Biofuels</i> , 2013, 6, 40.	6.2	69
94	The effect of process parameters on the size of ZnO nanoparticles synthesized via the sol-gel technique. <i>Journal of Alloys and Compounds</i> , 2013, 550, 63-70.	2.8	156
95	Visible light photocatalytic activity of Fe <sup>3+</sup> -doped ZnO nanoparticle prepared via sol-gel technique. <i>Chemosphere</i> , 2013, 91, 1604-1611.	4.2	240
96	Photocatalytic degradation of chlorophenols under direct solar radiation in the presence of ZnO catalyst. <i>Research on Chemical Intermediates</i> , 2013, 39, 1981-1996.	1.3	27
97	Optimization of process parameters using D-optimal design for synthesis of ZnO nanoparticles via sol-gel technique. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 99-105.	2.9	75
98	Kinetics Transformation of Anatase to Rutile Phase for Titanium Dioxide Nanoparticles Prepared by Sol-Gel Method. <i>Materials Science Forum</i> , 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. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013, 50, 012034.	0.3	6
100	CFD Simulation of Heat Transfer and Friction Factor Augmentation in a Circular Tube Fitted with Elliptic-Cut Twisted Tape Inserts. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-7.	0.6	8
101	CFD Analysis of Heat Transfer and Friction Factor Characteristics in a Circular Tube Fitted with Quadrant-Cut Twisted Tape Inserts. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-8.	0.6	8
102	ERT Visualization of Gas Dispersion Performance of Aerofoil and Radial Impellers in an Agitated Vessel. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 64, .	0.3	3
103	Potential of Micro and Macro Algae for Biofuel Production: A Brief Review. <i>BioResources</i> , 2013, 9, .	0.5	43
104	Numerical Investigation of Heat Transfer and Friction Factor Characteristics in a Circular Tube Fitted with V-Cut Twisted Tape Inserts. <i>Scientific World Journal, The</i> , 2013, 2013, 1-8.	0.8	20
105	Acetone-butanol-ethanol Fermentation From Palm Oil Mill Effluent Using <i>Clostridium acetobutylicum</i> . , 2013, , 35-41.		1
106	Bioremediation of Palm Oil Mill Effluents (POME) Using <i>Scenedesmus dimorphus</i> and <i>Chlorella vulgaris</i> . <i>Advanced Science Letters</i> , 2013, 19, 2914-2918.	0.2	27
107	Effect of oscillation amplitude on velocity distributions in an oscillatory baffled column (OBC). <i>Chemical Engineering Research and Design</i> , 2012, 90, 1038-1044.	2.7	15
108	Students' Feedback on Integrated Project after 5-Years Implementation in Chemical and Biochemical Engineering Programme. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 60, 21-29.	0.5	0

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109	JKKP Experience in Conducting Integrated Project since Session 2006/2007. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 60, 42-51.	0.5	1
110	Programme Outcome Achievements of Chemical and Biochemical Engineering Graduates Through Exit Survey. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 60, 294-299.	0.5	1
111	Soft Skill Development Via Chem-E-Car Project. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 60, 507-511.	0.5	12
112	Analysis of Integrated Project Effectiveness in the Implementation of Generic Skills. <i>Procedia, Social and Behavioral Sciences</i> , 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. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 3379-3386.	1.1	13
114	Inhibition of aluminum corrosion by phthalazinone and synergistic effect of halide ion in 1.0M HCl. <i>Current Applied Physics</i> , 2012, 12, 325-330.	1.1	47
115	Quantum chemical studies on corrosion inhibition for series of thio compounds on mild steel in hydrochloric acid. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 551-555.	2.9	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. <i>Research on Chemical Intermediates</i> , 2012, 38, 91-103.	1.3	24
117	Electrochemical and quantum chemical studies on phthalhydrazide as corrosion inhibitor for mild steel in 1M HCl solution. <i>Research on Chemical Intermediates</i> , 2012, 38, 453-461.	1.3	14
118	Preparation, characterization, and theoretical studies of azelaic acid derived from oleic acid by use of a novel ozonolysis method. <i>Research on Chemical Intermediates</i> , 2012, 38, 659-668.	1.3	28
119	Phycoremediation in Anaerobically Digested Palm Oil Mill Effluent Using Cyanobacterium, <i>Spirulina platensis</i> . <i>Journal of Biobased Materials and Bioenergy</i> , 2012, 6, 704-709.	0.1	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 <sub>2</sub> Nanoparticle Prepared by Sol-Gel Method. <i>Advanced Materials Research</i> , 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. <i>Corrosion Science</i> , 2011, 53, 3672-3677.	3.0	102
124	EFFECT OF TEMPERATURE ON THE RHEOLOGICAL BEHAVIOUR OF 'JOSAPINE' PINEAPPLE (ANANAS COMOSUS) Tj ETQq0 0 0 JgBT /Over	0.1	
125	CHEMICAL COMPOSITIONS AND THERMAL PROPERTIES OF THE JOSAPINE VARIETY OF PINEAPPLE FRUIT (ANANAS COMOSUS L.) IN DIFFERENT STORAGE SYSTEMS. <i>Journal of Food Process Engineering</i> , 2011, 34, 1558-1572.	1.5	6
126	Molecular dynamics and quantum chemical calculation studies on 4,4-dimethyl-3-thiosemicarbazide as corrosion inhibitor in 2.5M H <sub>2</sub> SO <sub>4</sub> . <i>Materials Chemistry and Physics</i> , 2011, 129, 660-665.	2.0	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.	1.7	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.	0.1	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.	6.5	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.	2.7	44
136	Corrosion inhibitive property of 4-amino-5-phenyl-4H-1,2,4-triazole-3-thiol for mild steel corrosion in 1Å-OM hydrochloric acid. <i>Corrosion Engineering Science and Technology</i> , 2010, 45, 163-168.	0.7	33
137	Inhibition of Mild Steel Corrosion under Hydrodynamic Conditions. , 2010, , .		3
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