

# Abu Bakar Mohamad

## List of Publications by Year in descending order

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172  
papers

7,506  
citations

44069

48  
h-index

60623

81  
g-index

173  
all docs

173  
docs citations

173  
times ranked

8049  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative data on corrosion protection of mild steel in HCl using two new thiazoles. Data in Brief, 2022, 40, 107838.	1.0	16
2	Experimental and theoretical study on the corrosion inhibition of mild steel by nonanedioic acid derivative in hydrochloric acid solution. Scientific Reports, 2022, 12, 4705.	3.3	50
3	Nitrogen-doped carbon xerogels catalyst for oxygen reduction reaction: Improved structural and catalytic activity by enhancing nitrogen species and cobalt insertion. International Journal of Hydrogen Energy, 2019, 44, 28789-28802.	7.1	20
4	Experimental and theoretical studies of Schiff bases as corrosion inhibitors. Chemistry Central Journal, 2018, 12, 7.	2.6	66
5	Synthesis and characterization of a novel organic corrosion inhibitor for mild steel in 1M hydrochloric acid. Results in Physics, 2018, 8, 728-733.	4.1	111
6	Application of dyes extracted from Alternanthera dentata leaves and Musa acuminata bracts as natural sensitizers for dye-sensitized solar cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 192, 487-498.	3.9	73
7	Effect of carbon precursor and initial pH on cobalt-doped carbon xerogel for oxygen reduction. International Journal of Hydrogen Energy, 2018, 43, 11047-11055.	7.1	17
8	AMORPHOUS STRUCTURE IN CU-ZN-V-AL OXIDE COMPOSITE CATALYST FOR METHANOL REFORMING. IJUM Engineering Journal, 2018, 19, 197-214.	0.8	1
9	The effect of varying N/C ratios of nitrogen precursors during non-metal graphene catalyst synthesis. International Journal of Hydrogen Energy, 2017, 42, 9069-9076.	7.1	14
10	Extraction, preparation and application of pigments from Cordyline fruticosa and Hylocereus polyrhizus as sensitizers for dye-sensitized solar cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 179, 23-31.	3.9	30
11	Sulphonamides as corrosion inhibitor: Experimental and DFT studies. Journal of Molecular Structure, 2017, 1138, 27-34.	3.6	72
12	Physicochemical characterization of cellulose nanocrystal and nanoporous self-assembled CNC membrane derived from Ceiba pentandra. Carbohydrate Polymers, 2017, 157, 1892-1902.	10.2	85
13	The extraction and absorption study of natural dye from Areca catechu for dye sensitized solar cell application. AIP Conference Proceedings, 2017, , .	0.4	9
14	An overview on cellulose-based material in tailoring bio-hybrid nanostructured photocatalysts for water treatment and renewable energy applications. International Journal of Biological Macromolecules, 2017, 103, 1232-1256.	7.5	131
15	Study of the plasticising effect on polymer and its development in fuel cell application. Renewable and Sustainable Energy Reviews, 2017, 79, 794-805.	16.4	24
16	Experimental and theoretical studies of benzoxazines corrosion inhibitors. Results in Physics, 2017, 7, 4013-4019.	4.1	66
17	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
18	Effect of silica on the thermal behaviour and ionic conductivity of mixed salt solid acid composites. Journal of Alloys and Compounds, 2017, 690, 896-902.	5.5	19

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19	Cobalt-doped carbon xerogel with different initial pH values toward oxygen reduction. AIP Conference Proceedings, 2017, , .	0.4	5
20	Efficient Catalyst One-Pot Synthesis of 7-(Aryl)-10,10-dimethyl-10,11-dihydrochromeno[4,3-b]chromene-6,8(7H,9H)-dione Derivatives Complemented by Antibacterial Activity. BioMed Research International, 2016, 2016, 1-7.	1.9	4
21	Coumarins as Potential Antioxidant Agents Complemented with Suggested Mechanisms and Approved by Molecular Modeling Studies. Molecules, 2016, 21, 135.	3.8	60
22	Antioxidant Activities of 4-Methylumbelliferone Derivatives. PLoS ONE, 2016, 11, e0156625.	2.5	33
23	Effect of nitrogen precursors on the electrochemical performance of nitrogen-doped reduced graphene oxide towards oxygen reduction reaction. Journal of Alloys and Compounds, 2016, 677, 112-120.	5.5	61
24	A review on synthesis and characterization of solid acid materials for fuel cell applications. Journal of Power Sources, 2016, 322, 77-92.	7.8	38
25	Optimization of dye extraction from Cordyline fruticosa via response surface methodology to produce a natural sensitizer for dye-sensitized solar cells. Results in Physics, 2016, 6, 520-529.	4.1	15
26	Dye-sensitised solar cells: Development, structure, operation principles, electron kinetics, characterisation, synthesis materials and natural photosensitisers. Renewable and Sustainable Energy Reviews, 2016, 65, 183-213.	16.4	139
27	Synthesis and characterization of a novel eco-friendly corrosion inhibition for mild steel in 1% M hydrochloric acid. Scientific Reports, 2016, 6, 19890.	3.3	101
28	Synthesis of silver/nitrogen-doped reduced graphene oxide through a one-step thermal solid-state reaction for oxygen reduction in an alkaline medium. Journal of Power Sources, 2016, 324, 412-420.	7.8	45
29	Synthesis, inhibition effects and quantum chemical studies of a novel coumarin derivative on the corrosion of mild steel in a hydrochloric acid solution. Chemistry Central Journal, 2016, 10, 23.	2.6	35
30	Synthesis of Vanadium Pentoxide Nanoparticles as Catalysts for the Ozonation of Palm Oil. Ozone: Science and Engineering, 2016, 38, 36-41.	2.5	10
31	Synthesis of new coumarins complemented by quantum chemical studies. Research on Chemical Intermediates, 2016, 42, 3905-3918.	2.7	14
32	CONDUCTIVITY AND THERMAL STABILITY OF SOLID ACID COMPOSITES CsH <sub>2</sub> PO <sub>4</sub> /NaH <sub>2</sub> PO <sub>4</sub> /SiO <sub>2</sub> . Malaysian Journal of Analytical Sciences, 2016, 20, 633-641.	0.1	5
33	Green Antioxidants: Synthesis and Scavenging Activity of Coumarin-Thiadiazoles as Potential Antioxidants Complemented by Molecular Modeling Studies. Free Radicals and Antioxidants, 2016, 6, 173-177.	0.3	13
34	New Coumarin Derivative as an Eco-Friendly Inhibitor of Corrosion of Mild Steel in Acid Medium. Molecules, 2015, 20, 366-383.	3.8	84
35	Comparative Studies on Thermal Performance of Conic Cut Twist Tape Inserts with SiO <sub>2</sub> and TiO <sub>2</sub> Nanofluids. Journal of Nanomaterials, 2015, 2015, 1-14.	2.7	5
36	Properties and Applications of Polyvinyl Alcohol, Halloysite Nanotubes and Their Nanocomposites. Molecules, 2015, 20, 22833-22847.	3.8	487

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37	Photostabilizing Efficiency of PVC in the Presence of Schiff Bases as Photostabilizers. <i>Molecules</i> , 2015, 20, 19886-19899.	3.8	20
38	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
39	Synthesis and characterization of polyesters derived from glycerol, azelaic acid, and succinic acid. <i>Green Chemistry Letters and Reviews</i> , 2015, 8, 31-38.	4.7	30
40	Novel macromolecules derived from coumarin: synthesis and antioxidant activity. <i>Scientific Reports</i> , 2015, 5, 11825.	3.3	43
41	An overview of the electrochemical performance of modified graphene used as an electrocatalyst and as a catalyst support in fuel cells. <i>Applied Catalysis A: General</i> , 2015, 497, 198-210.	4.3	88
42	Effects of temperature and backpressure on the performance degradation of MEA in PEMFC. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10960-10968.	7.1	41
43	Selective Ozonolysis of <i>Cis</i> -Crotamiton: Free Catalyzed Oxidative Synthesis of N-ethyl-N-( <i>o</i> -tolyl)formamide as a New Compound. <i>Ozone: Science and Engineering</i> , 2015, 37, 385-390.	2.5	1
44	Effect of solvents on the extraction of natural pigments and adsorption onto TiO <sub>2</sub> for dye-sensitized solar cell applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 138, 130-137.	3.9	103
45	Hydrogen Peroxide Scavenging Activity of Novel Coumarins Synthesized Using Different Approaches. <i>PLoS ONE</i> , 2015, 10, e0132175.	2.5	53
46	Enhancement of the Wear Resistance and Microhardness of Aluminum Alloy by Nd:YAG Laser Treatment. <i>Scientific World Journal</i> , The, 2014, 2014, 1-5.	2.1	13
47	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
48	Effect of Multipath Laser Shock Processing on Microhardness, Surface Roughness, and Wear Resistance of 2024-T3 Al Alloy. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6.	2.1	33
49	Effect of Solvents on Extraction and Adsorption of Natural Dyes Extracted from <i>Cordyline fruticosa</i> and <i>Hylocereus polyrhizus</i> . <i>Asian Journal of Chemistry</i> , 2014, 26, 6285-6288.	0.3	6
50	Inhibition of Mild Steel Corrosion in Hydrochloric Acid Solution by New Coumarin. <i>Materials</i> , 2014, 7, 4335-4348.	2.9	94
51	Novel Approach: Tungsten Oxide Nanoparticle as a Catalyst for Malonic Acid Ester Synthesis via Ozonolysis. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-7.	2.7	16
52	Novel Corrosion Inhibitor for Mild Steel in HCl. <i>Materials</i> , 2014, 7, 662-672.	2.9	95
53	Inhibition of Mild Steel Corrosion in Sulfuric Acid Solution by New Schiff Base. <i>Materials</i> , 2014, 7, 787-804.	2.9	67
54	Antioxidant and antimicrobial activities of novel quinazolinones. <i>Medicinal Chemistry Research</i> , 2014, 23, 236-242.	2.4	37

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55	Review on the development of natural dye photosensitizer for dye-sensitized solar cells. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 31, 386-396.	16.4	316
56	<scp>CFD</scp> 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
57	Synergistic of a coumarin derivative with potassium iodide on the corrosion inhibition of aluminum alloy in 1.0 M H <sub>2</sub> SO <sub>4</sub> . <i>Metals and Materials International</i> , 2014, 20, 459-467.	3.4	44
58	Quantum chemical assessment of benzimidazole derivatives as corrosion inhibitors. <i>Chemistry Central Journal</i> , 2014, 8, 21.	2.6	40
59	The Impact of Loading and Temperature on the Oxygen Reduction Reaction at Nitrogen-doped Carbon Nanotubes in Alkaline Medium. <i>Electrochimica Acta</i> , 2014, 129, 47-54.	5.2	33
60	Synthesis and Characterization of Some New 4-Hydroxy-coumarin Derivatives. <i>Molecules</i> , 2014, 19, 11791-11799.	3.8	19
61	Experimental and Numerical Investigations of Heat Transfer Characteristics for Impinging Swirl Flow. <i>Advances in Mechanical Engineering</i> , 2014, 6, 631081.	1.6	9
62	Heat Transfer Enhancement of Laminar Flow in a Circular Tube Using Swirl/Vortex Generator. <i>Jurnal Kejuruteraan</i> , 2014, 26, 63-68.	0.3	0
63	Co-crystal structure of mixed molecules of methyl 2-(3-chloro-4-methyl-2-oxo-2H-chromen-7-yloxy)acetate and 2-(2-aminophenyl)benzothiazole. <i>Journal of Structural Chemistry</i> , 2013, 54, 648-649.	1.0	1
64	Quantum chemical calculation for the inhibitory effect of compounds. <i>Journal of Structural Chemistry</i> , 2013, 54, 301-308.	1.0	16
65	Curcuminoids as antioxidants and theoretical study of stability of curcumin isomers in gaseous state. <i>Research on Chemical Intermediates</i> , 2013, 39, 4047-4059.	2.7	25
66	Characterization of electrodes and performance tests on MEAs with varying platinum content and under various operational conditions. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9431-9437.	7.1	18
67	Optimization of hot pressing parameters in membrane electrode assembly fabrication by response surface method. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9484-9493.	7.1	22
68	Inhibition Effects of a Synthesized Novel 4-Aminoantipyrine Derivative on the Corrosion of Mild Steel in Hydrochloric Acid Solution together with Quantum Chemical Studies. <i>International Journal of Molecular Sciences</i> , 2013, 14, 11915-11928.	4.1	69
69	Nafion/Pd@SiO <sub>2</sub> nanofiber composite membranes for direct methanol fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9474-9483.	7.1	96
70	Synthesis, antimicrobial and antioxidant activities of 5-((2-oxo-2H-chromen-7-yloxy)methyl)-1,3,4-thiadiazol-2(3H)-one derived from umbelliferone. <i>Chemistry of Natural Compounds</i> , 2013, 48, 950-954.	0.8	9
71	A Novel Hydrazinecarbothioamide as a Potential Corrosion Inhibitor for Mild Steel in HCl. <i>Materials</i> , 2013, 6, 1420-1431.	2.9	72
72	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.	5.5	156

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73	Simultaneous removal of AOX and COD from real recycled paper wastewater using GAC-SBBR. <i>Journal of Environmental Management</i> , 2013, 121, 80-86.	7.8	32
74	Application of response surface methodology (RSM) for optimisation of COD, NH <sub>3</sub> -N and 2,4-DCP removal from recycled paper wastewater in a pilot-scale granular activated carbon sequencing batch biofilm reactor (GAC-SBBR). <i>Journal of Environmental Management</i> , 2013, 121, 179-190.	7.8	101
75	Influence of nitrogen doping on carbon nanotubes towards the structure, composition and oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9421-9430.	7.1	46
76	Visible light photocatalytic activity of Fe <sup>3+</sup> -doped ZnO nanoparticle prepared via sol-gel technique. <i>Chemosphere</i> , 2013, 91, 1604-1611.	8.2	240
77	Photocatalytic degradation of chlorophenols under direct solar radiation in the presence of ZnO catalyst. <i>Research on Chemical Intermediates</i> , 2013, 39, 1981-1996.	2.7	27
78	The legend of 4-aminocoumarin: use of the Delapine reaction for synthesis of 4-iminocoumarin. <i>Research on Chemical Intermediates</i> , 2013, 39, 1385-1391.	2.7	5
79	Recent progress in nitrogen-doped carbon and its composites as electrocatalysts for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9370-9386.	7.1	157
80	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.	5.8	75
81	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
82	Performance of direct methanol fuel cell with a palladium-silica nanofibre/Nafion composite membrane. <i>Energy Conversion and Management</i> , 2013, 75, 718-726.	9.2	53
83	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.	0.6	6
84	Electrochemical Study on Newly Synthesized Chlorocurcumin as an Inhibitor for Mild Steel Corrosion in Hydrochloric Acid. <i>Materials</i> , 2013, 6, 5466-5477.	2.9	55
85	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.	1.1	8
86	Thermodynamic and Theoretical Study of the Preparation of New Buckyballs from Corannulene, Coronene, and Circulene. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	2.7	16
87	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.	1.1	8
88	Synthesis and Antioxidant Activities of Novel 5-Chlorocurcumin, Complemented by Semiempirical Calculations. <i>Bioinorganic Chemistry and Applications</i> , 2013, 2013, 1-7.	4.1	23
89	Theoretical Study for the Preparation of Sub-Carbon Nano Tubes from the Cyclic Polymerization Reaction of Two Molecules from Corannulene, Coronene and Circulene Aromatic Compounds. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013, 10, 2453-2457.	0.4	10
90	Synthesis and Theoretical Studies of Methyl 2-[(2-oxo-2H-chromen-4-yl)oxy]acetate. <i>Asian Journal of Chemistry</i> , 2013, 25, 10357-10359.	0.3	1

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91	Heavy Metal Biosorption Efficiencies of Expanded Bed Biofilm Reactor and Sequencing Batch Biofilm Reactor. <i>Asian Journal of Chemistry</i> , 2013, 25, 7193-7198.	0.3	4
92	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.	2.1	20
93	Direct synthesis of nitrogen-containing carbon nanotubes on carbon paper for fuel cell electrode. , 2012, , .		3
94	Performance evaluation of a granular activated carbon-sequencing batch biofilm reactor pilot plant system used in treating real wastewater from recycled paper industry. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 915-926.	2.2	8
95	Direct Acetylation and Determination of Chlorophenols in Aqueous Samples by Gas Chromatography Coupled with an Electron-Capture Detector. <i>Journal of Chromatographic Science</i> , 2012, 50, 564-568.	1.4	10
96	2-(2-Imino-1-methylimidazolidin-4-ylidene)hydrazinecarbothioamide. <i>MolBank</i> , 2012, 2012, M763.	0.5	0
97	Antifungal and Antioxidant Activities of Pyrrolidone Thiosemicarbazone Complexes. <i>Bioinorganic Chemistry and Applications</i> , 2012, 2012, 1-6.	4.1	97
98	Novel Pyranopyrazoles: Synthesis and Theoretical Studies. <i>Molecules</i> , 2012, 17, 10377-10389.	3.8	21
99	Antifungal Activities of New Coumarins. <i>Molecules</i> , 2012, 17, 5713-5723.	3.8	85
100	Nitrogen-containing carbon nanotubes as cathodic catalysts for proton exchange membrane fuel cells. <i>Diamond and Related Materials</i> , 2012, 22, 12-22.	3.9	47
101	Effect of hydraulic retention time (HRT) on pentachlorophenol (PCP) and COD removal in a pilot GAC-SBBR system for the post-treatment of recycled paper mill wastewater. <i>Desalination and Water Treatment</i> , 2012, 48, 50-59.	1.0	8
102	Molecular dynamic and quantum chemical calculations for phthalazine derivatives as corrosion inhibitors of mild steel in 1M HCl. <i>Corrosion Science</i> , 2012, 56, 176-183.	6.6	309
103	Studentsâ€™ 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
104	Database Development to Enhance Procedures for Open Ended Laboratory. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 60, 284-293.	0.5	1
105	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
106	Chemical Health Risk Assessment at The Chemical and Biochemical Engineering Laboratory. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 60, 300-307.	0.5	11
107	Synthesis of palladium-doped silica nanofibers by sol-gel reaction and electrospinning process. , 2012, , .		3
108	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.	2.2	13

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109	Galvanic corrosion of aluminum alloy (Al2024) and copper in 1.0M hydrochloric acid solution. Korean Journal of Chemical Engineering, 2012, 29, 818-822.	2.7	26
110	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
111	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
112	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
113	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
114	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
115	Photodegradation of chlorophenolic compounds using zinc oxide as photocatalyst: experimental and theoretical studies. Research on Chemical Intermediates, 2012, 38, 995-1005.	2.7	16
116	KINETIC EVALUATION AND PROCESS PERFORMANCE OF A PILOT GAC-SBBR SYSTEM TREATING RECYCLED PAPER INDUSTRY WASTEWATER. Environmental Engineering and Management Journal, 2012, 11, 829-839.	0.6	5
117	Corrosion Inhibition of Copper-nickel Alloy: Experimental and Theoretical Studies. Journal of the Korean Chemical Society, 2012, 56, 406-415.	0.2	12
118	Solar Photocatalytic Degradation of 2,4-Dichlorophenol by TiO <sub>2</sub> Nanoparticle Prepared by Sol-Gel Method. Advanced Materials Research, 2011, 233-235, 3032-3035.	0.3	4
119	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
120	Assessment of Programme Outcomes Through Exit Survey of Chemical/Biochemical Engineering Students. Procedia, Social and Behavioral Sciences, 2011, 18, 39-48.	0.5	6
121	Industrial Talk and Visit for Students. Procedia, Social and Behavioral Sciences, 2011, 18, 674-682.	0.5	10
122	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> . Materials Chemistry and Physics, 2011, 129, 660-665.	4.0	110
123	The Use of Umbelliferone in the Synthesis of New Heterocyclic Compounds. Molecules, 2011, 16, 6833-6843.	3.8	63
124	The Antioxidant Activity of New Coumarin Derivatives. International Journal of Molecular Sciences, 2011, 12, 5747-5761.	4.1	130
125	Antimicrobial and Antioxidant Activities of New Metal Complexes Derived from 3-Aminocoumarin. Molecules, 2011, 16, 6969-6984.	3.8	84
126	Chlorophenols in Tigris River and Drinking Water of Baghdad, Iraq. Bulletin of Environmental Contamination and Toxicology, 2011, 87, 106-112.	2.7	13



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127	Inhibition of Aluminum Alloy Corrosion in 0.5M Nitric Acid Solution by 4,4-Dimethyloxazolidine-2-thione. Journal of Materials Engineering and Performance, 2011, 20, 394-398.	2.5	19
128	Analysis and Optimization of Operating Parameters of a Membrane Electrode Assembly. Chemical Engineering and Technology, 2011, 34, 439-444.	1.5	4
129	A simple thermal oxidation technique and KOH wet etching process for fuel cell flow field fabrication. International Journal of Hydrogen Energy, 2011, 36, 5136-5142.	7.1	3
130	CsH <sub>2</sub> PO <sub>4</sub> : Electrolyte for Intermediate Temperature Fuel Cells. Advanced Materials Research, 2011, 239-242, 2492-2498.	0.3	2
131	Forming of Corrosion Inhibitor Film during Turbulent Flow. Applied Mechanics and Materials, 2011, 66-68, 540-544.	0.2	2
132	Inhibition of galvanic corrosion by 4-amino-5-phenyl-4H-1, 2, 4-triazole-3-thiol. International Journal of Surface Science and Engineering, 2011, 5, 226.	0.4	10
133	Design and Simulation of 2-2 MMI Coupler and Thermo-optic Switch Using Sol-Gel Derived Organic-Inorganic Hybrid Material. , 2011, , .		0
134	Electrochemical and quantum chemical calculations on 4,4-dimethyloxazolidine-2-thione as inhibitor for mild steel corrosion in hydrochloric acid. Journal of Molecular Structure, 2010, 969, 233-237.	3.6	193
135	Adsorption isotherm mechanism of amino organic compounds as mild steel corrosion inhibitors by electrochemical measurement method. Central South University, 2010, 17, 34-39.	0.5	24
136	MAFRAM—A new fate and risk assessment methodology for non-volatile organic chemicals. Journal of Hazardous Materials, 2010, 181, 1080-1087.	12.4	9
137	Kinetic behavior of mild steel corrosion inhibition by 4-amino-5-phenyl-4H-1,2,4-triazole-3-thiol. Journal of the Taiwan Institute of Chemical Engineers, 2010, 41, 126-128.	5.3	44
138	Inhibition of Mild Steel Corrosion under Hydrodynamic Conditions. , 2010, , .		3
139	On the inhibition of mild steel corrosion by 4-amino-5-phenyl-4H-1, 2, 4-triazole-3-thiol. Corrosion Science, 2010, 52, 526-533.	6.6	183
140	Experimental and theoretical study on the inhibition performance of triazole compounds for mild steel corrosion. Corrosion Science, 2010, 52, 3331-3340.	6.6	166
141	Adsorption Kinetics of 4-Amino-5-Phenyl-4H-1, 2, 4-Triazole-3-Thiol on Mild Steel Surface. Portugaliae Electrochimica Acta, 2010, 28, 221-230.	1.1	46
142	Removal of Adsorbable Organic Halides (AOX) from Recycled Pulp and Paper (P&P) Mill Effluent Using Granular Activated Carbon—Sequencing Batch Biofilm Reactor (GAC-SBBR). Modern Applied Science, 2009, 2, .	0.6	6
143	Fabrication of gas diffusion layer based on x-ray robotic spraying technique for proton exchange membrane fuel cell application. Energy Conversion and Management, 2009, 50, 1419-1425.	9.2	11
144	Nafion/silicon oxide/phosphotungstic acid nanocomposite membrane with enhanced proton conductivity. Journal of Membrane Science, 2009, 327, 32-40.	8.2	115

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145	Hydrogen purification using compact pressure swing adsorption system for fuel cell. International Journal of Hydrogen Energy, 2009, 34, 2771-2777.	7.1	81
146	Modeling the fate and transport of non-volatile organic chemicals in the agro-ecosystem: A case study of Cameron Highlands, Malaysia. Chemical Engineering Research and Design, 2009, 87, 121-134.	5.6	5
147	A comparative study of the corrosion inhibition of mild steel in sulphuric acid by 4,4-dimethyloxazolidine-2-thione. Corrosion Science, 2009, 51, 2393-2399.	6.6	95
148	Zinc biosorption in EBBR using mixed culture bacteria. Journal of Biotechnology, 2008, 136, S649.	3.8	0
149	The kinetics of polyphenol degradation during the drying of Malaysian cocoa beans. International Journal of Food Science and Technology, 2005, 40, 323-331.	2.7	98
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