

Abdul Amir H Kadhum

List of Publications by Year in descending order

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221
papers

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citations

46984

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all docs

222
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of mild steel corrosion in hydrochloric acid environment by 1-amino-2-mercapto-5-(4-(pyrrol-1-yl)phenyl)-1,3,4-triazole. <i>South African Journal of Chemical Engineering</i> , 2022, 39, 42-51.	1.2	14
2	Comparative data on corrosion protection of mild steel in HCl using two new thiazoles. <i>Data in Brief</i> , 2022, 40, 107838.	0.5	16
3	Experimental and theoretical study on the corrosion inhibition of mild steel by nonanedioic acid derivative in hydrochloric acid solution. <i>Scientific Reports</i> , 2022, 12, 4705.	1.6	50
4	Corrosion inhibition of mild steel in hydrochloric acid environment using thiadiazole derivative: Weight loss, thermodynamics, adsorption and computational investigations. <i>South African Journal of Chemical Engineering</i> , 2022, 41, 244-252.	1.2	8
5	Investigation of Adding Silicon on Fatigue Properties of Aluminum Based Alloys. <i>Silicon</i> , 2021, 13, 1215-1222.	1.8	3
6	Terephthalohydrazide and isophthalohydrazide as new corrosion inhibitors for mild steel in hydrochloric acid: Experimental and theoretical approaches. <i>Koroze A Ochrana Materialu</i> , 2021, 65, 12-22.	0.4	22
7	The synergistic role of azomethine group and triazole ring at improving the anti-corrosive performance of 2-amino-4-phenylthiazole. <i>South African Journal of Chemical Engineering</i> , 2021, 38, 41-53.	1.2	5
8	New environmental friendly corrosion inhibitor of mild steel in hydrochloric acid solution: Adsorption and thermal studies. <i>Cogent Engineering</i> , 2020, 7, 1826077.	1.1	8
9	Manufacture of Contact Lens of Nanoparticle-Doped Polymer Complemented with ZEMAX. <i>Nanomaterials</i> , 2020, 10, 2028.	1.9	20
10	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
11	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
12	Corrosion Inhibition of Mild Steel in Strong Acid Environment by 4-((5,5-dimethyl-3-oxocyclohex-1-en-1-yl)amino)benzenesulfonamide. <i>Tribology in Industry</i> , 2020, 42, 89-101.	0.5	24
13	Gravimetric, theoretical, and surface morphological investigations of corrosion inhibition effect of 4-(benzoimidazole-2-yl) pyridine on mild steel in hydrochloric acid. <i>Koroze A Ochrana Materialu</i> , 2020, 64, 122-130.	0.4	14
14	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
15	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
16	In Situ Controlled Surface Microstructure of 3D Printed Ti Alloy to Promote Its Osteointegration. <i>Materials</i> , 2019, 12, 815.	1.3	14
17	Additives in proton exchange membranes for low- and high-temperature fuel cell applications: A review. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6116-6135.	3.8	207
18	Photocatalytic degradation of organic pollutants over visible light active plasmonic Ag nanoparticle loaded Ag ₂ SO ₃ photocatalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 375, 191-200.	2.0	24

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19	Synthesis and characterization of erbium trioxide nanoparticles as photocatalyzers for degradation of methyl orange dye. <i>Drinking Water Engineering and Science</i> , 2019, 12, 15-21.	0.8	9
20	Removal of Rhodamine Dye from Water Using Erbium Oxide Nanoparticles. <i>Korean Journal of Materials Research</i> , 2019, 29, 747-752.	0.1	2
21	Experimental and theoretical studies of Schiff bases as corrosion inhibitors. <i>Chemistry Central Journal</i> , 2018, 12, 7.	2.6	66
22	Corrosion Inhibition of Cold-rolled Low Carbon Steel with Pulse Fiber Laser Ablation in Water. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 2805-2814.	1.2	2
23	Electrochemical studies of novel corrosion inhibitor for mild steel in 1M hydrochloric acid. <i>Results in Physics</i> , 2018, 9, 978-981.	2.0	37
24	Development of new corrosion inhibitor tested on mild steel supported by electrochemical study. <i>Results in Physics</i> , 2018, 8, 1260-1267.	2.0	71
25	Synthesis and corrosion inhibition application of NATN on mild steel surface in acidic media complemented with DFT studies. <i>Results in Physics</i> , 2018, 8, 1178-1184.	2.0	43
26	Synthesis and characterization of a novel organic corrosion inhibitor for mild steel in 1M hydrochloric acid. <i>Results in Physics</i> , 2018, 8, 728-733.	2.0	111
27	Case study on thermal impact of novel corrosion inhibitor on mild steel. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 64-68.	2.8	31
28	N-[4-(1-Methyl-1H-imidazol-2-yl)-2,4-bipyridin-2-yl]benzene-1,4-diamine. <i>MolBank</i> , 2018, 2018, M1030.	0.2	1
29	Inhibitive impacts extract of <i>Citrus aurantium</i> leaves of carbon steel in corrosive media. <i>Green Chemistry Letters and Reviews</i> , 2018, 11, 559-566.	2.1	9
30	Macro Coumarins as Novel Antioxidants. <i>Oriental Journal of Chemistry</i> , 2018, 34, 2562-2569.	0.1	2
31	Case study on solar water heating for flat plate collector. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 666-671.	2.8	46
32	Experimental studies on inhibition of mild steel corrosion by novel synthesized inhibitor complemented with quantum chemical calculations. <i>Results in Physics</i> , 2018, 10, 291-296.	2.0	28
33	Galvanic Corrosion of Steel-Brass Couple in Petroleum Waste Water in Presence of a Green Corrosion Inhibitor: Electrochemical, Kinetics, and Mathematical View. <i>Journal of Failure Analysis and Prevention</i> , 2018, 18, 1300-1310.	0.5	11
34	Edible lipids modification processes: A review. <i>Critical Reviews in Food Science and Nutrition</i> , 2017, 57, 48-58.	5.4	51
35	Sulphonamides as corrosion inhibitor: Experimental and DFT studies. <i>Journal of Molecular Structure</i> , 2017, 1138, 27-34.	1.8	72
36	Experimental and theoretical studies of benzoxazines corrosion inhibitors. <i>Results in Physics</i> , 2017, 7, 4013-4019.	2.0	66

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37	Novel technique for enhancement of diesel fuel: Impact of aqueous alumina nano-fluid on engine's performance and emissions. <i>Case Studies in Thermal Engineering</i> , 2017, 10, 611-620.	2.8	67
38	Free Catalyzed Synthesis of 2,2'-Bipyridine via Ozonolysis Technique. <i>Ozone: Science and Engineering</i> , 2017, 39, 417-422.	1.4	1
39	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
40	Effect of silica on the thermal behaviour and ionic conductivity of mixed salt solid acid composites. <i>Journal of Alloys and Compounds</i> , 2017, 690, 896-902.	2.8	19
41	Microwave effects on montmorillonite reinforced polyvinyl alcohol-starch nanocomposite. <i>Journal of Vinyl and Additive Technology</i> , 2017, 23, E142.	1.8	1
42	Outdoor Performance Analysis of a Photovoltaic Thermal (PVT) Collector with Jet Impingement and Compound Parabolic Concentrator (CPC). <i>Materials</i> , 2017, 10, 888.	1.3	23
43	Effect of Starch Loading on the Thermo-Mechanical and Morphological Properties of Polyurethane Composites. <i>Materials</i> , 2017, 10, 777.	1.3	17
44	Advances in Photocatalytic CO ₂ Reduction with Water: A Review. <i>Materials</i> , 2017, 10, 629.	1.3	181
45	The Impact of Halloysite on the Thermo-Mechanical Properties of Polymer Composites. <i>Molecules</i> , 2017, 22, 838.	1.7	82
46	Unique Halloysite Nanotubes-Polyvinyl Alcohol-Polyvinylpyrrolidone Composite Complemented with Physico-Chemical Characterization. <i>Polymers</i> , 2017, 9, 207.	2.0	23
47	Surface Improvement of Halloysite Nanotubes. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 291.	1.3	21
48	Coumarins: The Antimicrobial agents. <i>Systematic Reviews in Pharmacy (discontinued)</i> , 2017, 8, 62-70.	0.6	98
49	Synthesis and crystal structure of poly{bis-(3-nitro-2,4-pentanediono)-copper(II)}, [Cu(NO ₂ -acac) ₂] _n . <i>European Journal of Chemistry</i> , 2017, 8, 109-111.	0.3	0
50	Optimizing Injection Molding Parameters of Different Halloysites Type-Reinforced Thermoplastic Polyurethane Nanocomposites via Taguchi Complemented with ANOVA. <i>Materials</i> , 2016, 9, 947.	1.3	17
51	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. <i>BioMed Research International</i> , 2016, 2016, 1-7.	0.9	4
52	Optimization of Solar Photocatalytic Degradation of Chloroxylenol Using TiO ₂ , Er ³⁺ /TiO ₂ , and Ni ²⁺ /TiO ₂ via the Taguchi Orthogonal Array Technique. <i>Catalysts</i> , 2016, 6, 163.	1.6	8
53	Impact of Sulfuric Acid Treatment of Halloysite on Physico-Chemic Property Modification. <i>Materials</i> , 2016, 9, 620.	1.3	59
54	Coumarins as Potential Antioxidant Agents Complemented with Suggested Mechanisms and Approved by Molecular Modeling Studies. <i>Molecules</i> , 2016, 21, 135.	1.7	60

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55	Antioxidant Activities of 4-Methylumbelliferone Derivatives. PLoS ONE, 2016, 11, e0156625.	1.1	33
56	A review on synthesis and characterization of solid acid materials for fuel cell applications. Journal of Power Sources, 2016, 322, 77-92.	4.0	38
57	Synthesis and characterization of a novel eco-friendly corrosion inhibition for mild steel in 1â€%M hydrochloric acid. Scientific Reports, 2016, 6, 19890.	1.6	101
58	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
59	Synthesis of Vanadium Pentoxide Nanoparticles as Catalysts for the Ozonation of Palm Oil. Ozone: Science and Engineering, 2016, 38, 36-41.	1.4	10
60	Synthesis of new coumarins complemented by quantum chemical studies. Research on Chemical Intermediates, 2016, 42, 3905-3918.	1.3	14
61	CONDUCTIVITY AND THERMAL STABILITY OF SOLID ACID COMPOSITES CsH ₂ PO ₄ /NaH ₂ PO ₄ /SiO ₂ . Malaysian Journal of Analytical Sciences, 2016, 20, 633-641.	0.2	5
62	New Coumarin Derivative as an Eco-Friendly Inhibitor of Corrosion of Mild Steel in Acid Medium. Molecules, 2015, 20, 366-383.	1.7	84
63	Comparative Studies on Thermal Performance of Conic Cut Twist Tape Inserts with SiO ₂ and TiO ₂ Nanofluids. Journal of Nanomaterials, 2015, 2015, 1-14.	1.5	5
64	Properties and Applications of Polyvinyl Alcohol, Halloysite Nanotubes and Their Nanocomposites. Molecules, 2015, 20, 22833-22847.	1.7	487
65	Photostabilizing Efficiency of PVC in the Presence of Schiff Bases as Photostabilizers. Molecules, 2015, 20, 19886-19899.	1.7	20
66	Chemical and Physical Properties Investigation as Indicators for the Ozonation Reaction Completion of Palm Olein. Ozone: Science and Engineering, 2015, 37, 503-508.	1.4	2
67	Evaluation of Morphological Changes of Staphylococcus aureus and Escherichia coli Induced with the Antimicrobial Peptide AN5-1. Applied Biochemistry and Biotechnology, 2015, 175, 1868-1878.	1.4	5
68	Synthesis and characterization of polyesters derived from glycerol, azelaic acid, and succinic acid. Green Chemistry Letters and Reviews, 2015, 8, 31-38.	2.1	30
69	Study on the electronic properties and molecule adsorption of W 18 O 49 Nanowires as a catalyst support in the cathodes of direct methanol fuel cells. Journal of Power Sources, 2015, 288, 461-472.	4.0	17
70	Novel macromolecules derived from coumarin: synthesis and antioxidant activity. Scientific Reports, 2015, 5, 11825.	1.6	43
71	A review of copolymerization of green house gas carbon dioxide and oxiranes to produce polycarbonate. Journal of Cleaner Production, 2015, 102, 1-17.	4.6	53
72	Effects of temperature and backpressure on the performance degradation of MEA in PEMFC. International Journal of Hydrogen Energy, 2015, 40, 10960-10968.	3.8	41

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73	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.	1.4	1
74	Utilization of self-synthesized ZnO nanoparticles in MPR for industrial dye wastewater treatment using NF and UF membrane. <i>Desalination and Water Treatment</i> , 2015, 54, 944-955.	1.0	44
75	Hydrogen Peroxide Scavenging Activity of Novel Coumarins Synthesized Using Different Approaches. <i>PLoS ONE</i> , 2015, 10, e0132175.	1.1	53
76	Enhancement of the Wear Resistance and Microhardness of Aluminum Alloy by Nd:YAG Laser Treatment. <i>Scientific World Journal, The</i> , 2014, 2014, 1-5.	0.8	13
77	Heat Transfer Enhancement of Laminar Nanofluids Flow in a Circular Tube Fitted with Parabolic-Cut Twisted Tape Inserts. <i>Scientific World Journal, The</i> , 2014, 2014, 1-7.	0.8	24
78	Effect of Multipath Laser Shock Processing on Microhardness, Surface Roughness, and Wear Resistance of 2024-T3 Al Alloy. <i>Scientific World Journal, The</i> , 2014, 2014, 1-6.	0.8	33
79	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.	0.1	6
80	Inhibition of Mild Steel Corrosion in Hydrochloric Acid Solution by New Coumarin. <i>Materials</i> , 2014, 7, 4335-4348.	1.3	94
81	Nanofiltration of hazardous Congo red dye: Performance and flux decline analysis. <i>Journal of Water Process Engineering</i> , 2014, 4, 99-106.	2.6	38
82	Novel Corrosion Inhibitor for Mild Steel in HCl. <i>Materials</i> , 2014, 7, 662-672.	1.3	95
83	Inhibition of Mild Steel Corrosion in Sulfuric Acid Solution by New Schiff Base. <i>Materials</i> , 2014, 7, 787-804.	1.3	67
84	Artificial Photosynthesis using LiNbO ₃ as Photocatalyst for Sustainable and Environmental Friendly Construction and Reduction of Global Warming: A Review. <i>Catalysis Reviews - Science and Engineering</i> , 2014, 56, 175-186.	5.7	22
85	Effects of electron beam irradiation on mechanical properties and nanostructural morphology of montmorillonite added polyvinyl alcohol composite. <i>Composites Part B: Engineering</i> , 2014, 63, 141-153.	5.9	40
86	Evaluation of methane generation rate and potential from selected landfills in Malaysia. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 377-384.	1.8	15
87	Antioxidant and antimicrobial activities of novel quinazolinones. <i>Medicinal Chemistry Research</i> , 2014, 23, 236-242.	1.1	37
88	Generalization of the MAFRAM Methodology for Semi-Volatile Organic Agro-Chemicals. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	3
89	An investigation of LiNbO ₃ photocatalyst coating on concrete surface for improving indoor air quality. <i>Construction and Building Materials</i> , 2014, 54, 348-353.	3.2	29
90	Isolation and identification of a new intracellular antimicrobial peptide produced by <i>Paenibacillus alvei</i> AN5. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 1377-1385.	1.7	8

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91	<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. Heat Transfer - Asian Research, 2014, 43, 384-396.	2.8	14
92	A review of studies on forced, natural and mixed heat transfer to fluid and nanofluid flow in an annular passage. Renewable and Sustainable Energy Reviews, 2014, 39, 835-856.	8.2	54
93	Synergistic of a coumarin derivative with potassium iodide on the corrosion inhibition of aluminum alloy in 1.0 M H ₂ SO ₄ . Metals and Materials International, 2014, 20, 459-467.	1.8	44
94	Quantum chemical assessment of benzimidazole derivatives as corrosion inhibitors. Chemistry Central Journal, 2014, 8, 21.	2.6	40
95	The Impact of Loading and Temperature on the Oxygen Reduction Reaction at Nitrogen-doped Carbon Nanotubes in Alkaline Medium. Electrochimica Acta, 2014, 129, 47-54.	2.6	33
96	Synthesis and Characterization of Some New 4-Hydroxy-coumarin Derivatives. Molecules, 2014, 19, 11791-11799.	1.7	19
97	Experimental and Numerical Investigations of Heat Transfer Characteristics for Impinging Swirl Flow. Advances in Mechanical Engineering, 2014, 6, 631081.	0.8	9
98	THE PERFORMANCE OF MONOLITHIC STRUCTURED CALCIUM OXIDE FOR BIODIESEL. International Journal of Automotive and Mechanical Engineering, 2014, 10, 1959-1970.	0.5	6
99	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. Journal of Structural Chemistry, 2013, 54, 648-649.	0.3	1
100	Quantum chemical calculation for the inhibitory effect of compounds. Journal of Structural Chemistry, 2013, 54, 301-308.	0.3	16
101	Curcuminoids as antioxidants and theoretical study of stability of curcumin isomers in gaseous state. Research on Chemical Intermediates, 2013, 39, 4047-4059.	1.3	25
102	Synthesis and oxidation of (E)-1,2-diphenyl-2-(arylimino) ethanol derivatives. Research on Chemical Intermediates, 2013, 39, 2351-2355.	1.3	0
103	Green synthesis, antimicrobial and cytotoxic effects of silver nanoparticles using Eucalyptus chapmaniana leaves extract. Asian Pacific Journal of Tropical Biomedicine, 2013, 3, 58-63.	0.5	198
104	Characterization of electrodes and performance tests on MEAs with varying platinum content and under various operational conditions. International Journal of Hydrogen Energy, 2013, 38, 9431-9437.	3.8	18
105	Optimization of hot pressing parameters in membrane electrode assembly fabrication by response surface method. International Journal of Hydrogen Energy, 2013, 38, 9484-9493.	3.8	22
106	Inhibition Effects of a Synthesized Novel 4-Aminoantipyrene Derivative on the Corrosion of Mild Steel in Hydrochloric Acid Solution together with Quantum Chemical Studies. International Journal of Molecular Sciences, 2013, 14, 11915-11928.	1.8	69
107	Nafion/Pd@SiO ₂ nanofiber composite membranes for direct methanol fuel cell applications. International Journal of Hydrogen Energy, 2013, 38, 9474-9483.	3.8	96
108	Synthesis, antimicrobial and antioxidant activities of 5-((2-oxo-2H-chromen-7-yloxy)methyl)-1,3,4-thiadiazol-2(3H)-one derived from umbelliferone. Chemistry of Natural Compounds, 2013, 48, 950-954.	0.2	9

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109	Detection of secreted antimicrobial peptides isolated from cell-free culture supernatant of <i>Paenibacillus alvei</i> AN5. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 571-579.	1.4	21
110	Empirical gas emission and oxidation measurement at cover soil of dumping site: example from Malaysia. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 4919-4932.	1.3	14
111	A Novel Hydrazinecarbothioamide as a Potential Corrosion Inhibitor for Mild Steel in HCl. <i>Materials</i> , 2013, 6, 1420-1431.	1.3	72
112	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
113	Simultaneous removal of AOX and COD from real recycled paper wastewater using GAC-SBBR. <i>Journal of Environmental Management</i> , 2013, 121, 80-86.	3.8	32
114	Characterization of α -tocopherol as interacting agent in polyvinyl alcohol-starch blends. <i>Carbohydrate Polymers</i> , 2013, 98, 1281-1287.	5.1	25
115	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.	3.8	46
116	Visible light photocatalytic activity of Fe ³⁺ -doped ZnO nanoparticle prepared via sol-gel technique. <i>Chemosphere</i> , 2013, 91, 1604-1611.	4.2	240
117	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
118	The legend of 4-aminocoumarin: use of the DelÃ©pine reaction for synthesis of 4-iminocoumarin. <i>Research on Chemical Intermediates</i> , 2013, 39, 1385-1391.	1.3	5
119	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.	3.8	157
120	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
121	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
122	Performance of direct methanol fuel cell with a palladium-silica nanofibre/Nafion composite membrane. <i>Energy Conversion and Management</i> , 2013, 75, 718-726.	4.4	53
123	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
124	Electrochemical Study on Newly Synthesized Chlorocurcumin as an Inhibitor for Mild Steel Corrosion in Hydrochloric Acid. <i>Materials</i> , 2013, 6, 5466-5477.	1.3	55
125	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
126	Thermodynamic and Theoretical Study of the Preparation of New Buckyballs from Corannulene, Coronene, and Circulene. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	1.5	16

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127	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
128	Synthesis and Antioxidant Activities of Novel 5-Chlorocurcumin, Complemented by Semiempirical Calculations. <i>Bioinorganic Chemistry and Applications</i> , 2013, 2013, 1-7.	1.8	23
129	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
130	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.	0.1	1
131	Adenosine 3',5'-Cyclic Monophosphate Extracted from Local Isolate of Bacillus Species. <i>Asian Journal of Chemistry</i> , 2013, 25, 4319-4322.	0.1	0
132	Heavy Metal Biosorption Efficiencies of Expanded Bed Biofilm Reactor and Sequencing Batch Biofilm Reactor. <i>Asian Journal of Chemistry</i> , 2013, 25, 7193-7198.	0.1	4
133	Palm olein ozonation as a renewable resource: spectroscopic analysis for monitoring the degree of saturation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013, 50, 012052.	0.3	1
134	LiNbO ₃ Coating on Concrete Surface: A New and Environmentally Friendly Route for Artificial Photosynthesis. <i>Scientific World Journal</i> , The, 2013, 2013, 1-6.	0.8	2
135	Numerical Investigation of Heat Transfer and Friction Factor Characteristics in a Circular Tube Fitted with V-Cut Twisted Tape Inserts. <i>Scientific World Journal</i> , The, 2013, 2013, 1-8.	0.8	20
136	Mixed Photocatalyst for Sustainable Concrete Construction. <i>Advanced Materials Research</i> , 2012, 626, 39-43.	0.3	2
137	Direct synthesis of nitrogen-containing carbon nanotubes on carbon paper for fuel cell electrode. , 2012, , .		3
138	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.	0.7	10
139	2-(2-Imino-1-methylimidazolidin-4-ylidene)hydrazinecarbothioamide. <i>MolBank</i> , 2012, 2012, M763.	0.2	0
140	Antifungal and Antioxidant Activities of Pyrrolidone Thiosemicarbazone Complexes. <i>Bioinorganic Chemistry and Applications</i> , 2012, 2012, 1-6.	1.8	97
141	Novel Pyranopyrazoles: Synthesis and Theoretical Studies. <i>Molecules</i> , 2012, 17, 10377-10389.	1.7	21
142	Antifungal Activities of New Coumarins. <i>Molecules</i> , 2012, 17, 5713-5723.	1.7	85
143	Nitrogen-containing carbon nanotubes as cathodic catalysts for proton exchange membrane fuel cells. <i>Diamond and Related Materials</i> , 2012, 22, 12-22.	1.8	47
144	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

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145	Methane and carbon dioxide emissions from Sungai Sedu open dumping during wet season in Malaysia. <i>Ecological Engineering</i> , 2012, 49, 254-263.	1.6	18
146	Synthesis of palladium-doped silica nanofibers by sol-gel reaction and electrospinning process. , 2012, , .		3
147	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
148	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
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