

Abdul Aziz Abdul Raman

List of Publications by Year in descending order

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203
papers

12,795
citations

38660

50
h-index

26548

107
g-index

209
all docs

209
docs citations

209
times ranked

14196
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance investigation of electrocoagulation and Electro-Fenton processes for high strength landfill leachate: operational parameters and kinetics. <i>Chemical Papers</i> , 2022, 76, 2991-3003.	1.0	2
2	Carbon Footprint Evaluation of Industrial Wastes Based Solid Fuel in the Context of Its Use in a Cement Plant. <i>Waste and Biomass Valorization</i> , 2022, 13, 3723-3735.	1.8	3
3	A critical analysis on biogas production and utilisation potential from palm oil mill effluent. <i>Journal of Cleaner Production</i> , 2022, 361, 132040.	4.6	12
4	Physicochemical and biological status of Aghlagan river, Iran: effects of seasonal changes and point source pollution. <i>Environmental Science and Pollution Research</i> , 2021, 28, 15339-15349.	2.7	6
5	Waste-to-energy: Coal-like refuse derived fuel from hazardous waste and biomass mixture. <i>Chemical Engineering Research and Design</i> , 2021, 149, 655-664.	2.7	22
6	Application of magnetic-biomass-derived activated carbon as an adsorbent for the treatment of recalcitrant wastewater. <i>Chemical Papers</i> , 2021, 75, 5279-5295.	1.0	3
7	Developing friendlier biodiesel production process via systematic inherent safety interventions. <i>Journal of Cleaner Production</i> , 2021, 308, 127291.	4.6	4
8	Dynamic Inherently Safer Modifications: Metric development and its validation for fire and explosion prevention. <i>Journal of Loss Prevention in the Process Industries</i> , 2021, 71, 104483.	1.7	0
9	Review on the Inherently Safer Design for chemical processes: Past, present and future. <i>Journal of Cleaner Production</i> , 2021, 305, 127154.	4.6	23
10	Inherent health oriented design for preventing sick building syndrome during planning stage. <i>Journal of Building Engineering</i> , 2021, 44, 103285.	1.6	4
11	Response surface methodology optimization of integrated fluidized bed adsorption–Fenton oxidation for removal of Reactive Black 5. <i>Chemical Engineering Communications</i> , 2020, 207, 1567-1578.	1.5	1
12	Activated carbon as carrier in fluidized bed reactor for Fenton oxidation of recalcitrant dye: Oxidation-adsorption synergy and surface interaction. <i>Journal of Water Process Engineering</i> , 2020, 33, 101001.	2.6	24
13	Macromixing study for various designs of impellers in a stirred vessel. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 148, 107794.	1.8	12
14	Magnetic graphene oxide-biomass activated carbon composite for dye removal. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 2179-2191.	1.2	20
15	Co-regulative effects of chitosan-fennel seed extract system on the hormonal and biochemical factors involved in the polycystic ovarian syndrome. <i>Materials Science and Engineering C</i> , 2020, 117, 111351.	3.8	12
16	Synthesis and characterization of sugarcane bagasse cellulose–capped silver nanoparticle using ultrasonic irradiation for the adsorption of heavy metal. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2433.	0.8	10
17	Treatment of oil refinery effluent using bio-adsorbent developed from activated palm kernel shell and zeolite. <i>RSC Advances</i> , 2020, 10, 24079-24094.	1.7	12
18	Biogenic integrated ZnO/Ag nanocomposite: Surface analysis and in vivo practices for the management of type 1 diabetes complications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 189, 110878.	2.5	8

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19	Systematic review on the implementation methodologies of inherent safety in chemical process. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 65, 104092.	1.7	15
20	Systematic inherent safety and its implementation in chlorine liquefaction process. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 65, 104133.	1.7	5
21	Electrocoagulation of Congo Red dye-containing wastewater: Optimization of operational parameters and process mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104055.	3.3	64
22	Synthesis of iron oxides impregnated green adsorbent from sugarcane bagasse: Characterization and evaluation of adsorption efficiency. <i>Journal of Environmental Management</i> , 2019, 249, 109323.	3.8	38
23	Predicting the degradation potential of Acid blue 113 by different oxidants using quantum chemical analysis. <i>Heliyon</i> , 2019, 5, e02396.	1.4	23
24	Adsorption of arsenic using chitosan magnetic graphene oxide nanocomposite. <i>Journal of Environmental Management</i> , 2019, 246, 547-556.	3.8	213
25	Experimental and modeling evaluation of droplet size in immiscible liquid-liquid stirred vessel using various impeller designs. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 100, 26-36.	2.7	13
26	Interaction patterns in fluidized-bed Fenton process for the degradation of recalcitrant pollutants: theoretical and experimental insights. <i>Chemical Papers</i> , 2019, 73, 2591-2602.	1.0	7
27	Determining the feasibility of H ₂ O ₂ production at a graphite cathode using bond dissociation energy: comparing simple and nitrogen doped cathodes. <i>Research on Chemical Intermediates</i> , 2019, 45, 3311-3327.	1.3	8
28	Fenton oxidation treatment of recalcitrant dye in fluidized bed reactor: Role of SiO ₂ as carrier and its interaction with fenton's reagent. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 13188.	1.3	9
29	A review on approaches for addressing the limitations of Fenton oxidation for recalcitrant wastewater treatment. <i>Chemical Engineering Research and Design</i> , 2019, 126, 119-140.	2.7	247
30	Two-Step Purification of Glycerol as a Value Added by Product From the Biodiesel Production Process. <i>Frontiers in Chemistry</i> , 2019, 7, 774.	1.8	84
31	Textile wastewater treatment efficiency by Fenton oxidation with integration of membrane separation system. <i>Chemical Engineering Communications</i> , 2019, 206, 541-557.	1.5	14
32	Synergy of adsorption and advanced oxidation processes in recalcitrant wastewater treatment. <i>Environmental Chemistry Letters</i> , 2019, 17, 1125-1142.	8.3	60
33	Energy intensified integrated advanced oxidation technology for the treatment of recalcitrant industrial wastewater. <i>Journal of Cleaner Production</i> , 2019, 206, 1025-1040.	4.6	40
34	Synthesis and characterization of magnetic graphene oxide for arsenic removal from aqueous solution. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 1508-1516.	1.2	30
35	EFFECT OF DISC-BLADE INTERCEPTING ANGLE ON MIXING PERFORMANCE IN A MULTIPHASE STIRRED VESSEL. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 811-821.	0.7	2
36	Enhanced UV-Visible photocatalytic activity of Cu-doped ZnO/TiO ₂ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5480-5495.	1.1	40

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37	Comprehensive study on the influence of molybdenum substitution on characteristics and catalytic performance of magnetite nanoparticles. <i>Research on Chemical Intermediates</i> , 2018, 44, 883-900.	1.3	16
38	Evaluating the efficiency of nano-sized Cu doped TiO ₂ /ZnO photocatalyst under visible light irradiation. <i>Journal of Molecular Liquids</i> , 2018, 258, 354-365.	2.3	168
39	Reactivity, stability, and thermodynamic feasibility of H ₂ O ₂ /H ₂ O at graphite cathode: Application of quantum chemical calculations in MFCs. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 1291-1304.	1.3	9
40	A review of the applications of organo-functionalized magnetic graphene oxide nanocomposites for heavy metal adsorption. <i>Chemosphere</i> , 2018, 193, 1004-1017.	4.2	329
41	Size distribution of bubbles in agitated viscous Newtonian and non-Newtonian solutions. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2267.	0.8	6
42	Microalgae lipid and biomass for biofuel production: A comprehensive review on lipid enhancement strategies and their effects on fatty acid composition. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 97, 200-232.	8.2	298
43	Adsorption and Oxidation Techniques to Remove Organic Pollutants from Water. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 249-300.	0.3	7
44	A Comparative Study on a Cationic Dye Removal through Homogeneous and Heterogeneous Fenton Oxidation Systems. <i>Acta Chimica Slovenica</i> , 2018, 65, 166-171.	0.2	19
45	A Comparative Study on a Cationic Dye Removal through Homogeneous and Heterogeneous Fenton Oxidation Systems. <i>Acta Chimica Slovenica</i> , 2018, 65, 166-171.	0.2	1
46	Analysis and Optimization of Ultrasound-Assisted Alkaline Palm Oil Transesterification by RSM and ANN-GA. <i>Chemical Engineering Communications</i> , 2017, 204, 365-381.	1.5	13
47	Investigation of mass transfer intensification under power ultrasound irradiation using 3D computational simulation: A comparative analysis. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 504-518.	3.8	33
48	Sono assisted electrocoagulation process for the removal of pollutant from pulp and paper industry effluent. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5168-5178.	2.7	37
49	Parametric Study and Process Evaluation of Fenton Oxidation: Application of Sequential Response Surface Methodology and Adaptive Neuro-Fuzzy Inference System Computing Technique. <i>Chemical Engineering Communications</i> , 2017, 204, 658-676.	1.5	1
50	<i>In situ</i> production of hydrogen peroxide in a microbial fuel cell for recalcitrant wastewater treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1825-1840.	1.6	27
51	Hybrid neuro-fuzzy methods for estimation of ultrasound and mechanically stirring Influences on biodiesel synthesis through transesterification. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 103, 62-76.	2.5	12
52	Application of doped photocatalysts for organic pollutant degradation - A review. <i>Journal of Environmental Management</i> , 2017, 198, 78-94.	3.8	463
53	Mass Transfer Study of Newtonian Fluids with Different Viscosity under Low-Frequency, High-Power Ultrasound Irradiation. <i>Chemical Engineering Communications</i> , 2017, 204, 864-872.	1.5	3
54	Effect of Various Curved-Blade Impeller Geometries on Drop Size in a Liquid-Liquid Stirred Vessel. <i>Chemical Engineering Communications</i> , 2017, 204, 884-896.	1.5	6

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55	Effect of nitrogen doping on graphite cathode for hydrogen peroxide production and power generation in MFC. Journal of the Taiwan Institute of Chemical Engineers, 2017, 76, 89-100.	2.7	22
56	Sequential Optimization for Minimizing Material Cost and Treatment Time of Fenton Oxidation for Textile Wastewater Treatment. Chemical Engineering Communications, 2017, 204, 873-883.	1.5	14
57	Trend and current practices of palm oil mill effluent polishing: Application of advanced oxidation processes and their future perspectives. Journal of Environmental Management, 2017, 198, 170-182.	3.8	82
58	Surface transformations of TiO ₂ anatase deactivated in methylene blue solution with Cl ⁻ ions in the colloid. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 203-214.	2.7	4
59	Electrocoagulation treatment of raw landfill leachate using iron-based electrodes: Effects of process parameters and optimization. Journal of Environmental Management, 2017, 204, 75-81.	3.8	88
60	Electrical energy per order determination for the removal pollutant from industrial wastewater using UV/Fe ²⁺ /H ₂ O ₂ process: Optimization by response surface methodology. Water Resources and Industry, 2017, 18, 17-32.	1.9	41
61	A Novel Approach To Quantify Scale Thickness and Distribution in Stirred Vessels. Industrial & Engineering Chemistry Research, 2017, 56, 14582-14591.	1.8	5
62	Transition Metal-Substituted Magnetite as an Innovative Adsorbent and Heterogeneous Catalyst for Wastewater Treatment. , 2017, , 225-247.		2
63	Integrated ozone-photocatalytic Fenton process for the removal of pollutant from industrial wastewater. Chinese Journal of Chemical Engineering, 2017, 25, 516-522.	1.7	23
64	Recent advances in DNA-based electrochemical biosensors for heavy metal ion detection: A review. Biosensors and Bioelectronics, 2017, 90, 125-139.	5.3	247
65	Carbon dioxide emission reduction through cleaner production strategies in a recycled plastic resins producing plant. Journal of Cleaner Production, 2017, 141, 1067-1073.	4.6	31
66	Cathode modification to enhance the performance of <i>in situ</i> fenton oxidation in microbial fuel cells. Environmental Progress and Sustainable Energy, 2017, 36, 382-393.	1.3	16
67	Factors encouraging sustainability integration into institutions of higher education. International Journal of Environmental Science and Technology, 2017, 14, 911-922.	1.8	9
68	Ozone (O ₃) and sono (US) based advanced oxidation processes for the removal of color, COD and determination of electrical energy from landfill leachate. Separation and Purification Technology, 2017, 172, 442-449.	3.9	60
69	Applications of fluidized bed reactors in wastewater treatment – A review of the major design and operational parameters. Journal of Cleaner Production, 2017, 141, 1492-1514.	4.6	139
70	Synthesis, characterization and electrochemical study of Mn-doped TiO ₂ decorated polypyrrole nanotubes. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012009.	0.3	1
71	Treatment of Recalcitrant Waste. , 2017, , 409-442.		3
72	A comprehensive review on properties of edible and non-edible vegetable oil-based biodiesel: Composition, specifications and prediction models. Renewable and Sustainable Energy Reviews, 2016, 63, 62-92.	8.2	373

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73	Treatment of textile effluent containing recalcitrant dyes using MOF derived Fe-ZSM-5 heterogeneous catalyst. RSC Advances, 2016, 6, 51078-51088.	1.7	7
74	Synthesis and activity evaluation of heterometallic nano oxides integrated ZSM-5 catalysts for palm oil cracking to produce biogasoline. Energy Conversion and Management, 2016, 119, 352-360.	4.4	51
75	Fluid dynamic analysis of non-Newtonian flow behavior of municipal sludge simulant in anaerobic digesters using submerged, recirculating jets. Chemical Engineering Journal, 2016, 298, 259-270.	6.6	28
76	Agitation energy efficiency in gas-liquid stirred vessels operating at ultra-high solids concentrations. Chemical Engineering Research and Design, 2016, 111, 34-48.	2.7	13
77	The effect of various designs of six-curved blade impellers on reaction rate analysis in liquid-liquid mixing vessel. Measurement: Journal of the International Measurement Confederation, 2016, 91, 440-450.	2.5	8
78	Bamboo Leaf Aerogel Opacified with Activated Carbon. Transactions of the Indian Ceramic Society, 2016, 75, 175-180.	0.4	2
79	Performance evaluation of hybrid electrocoagulation process parameters for the treatment of distillery industrial effluent. Chemical Engineering Research and Design, 2016, 104, 406-412.	2.7	45
80	Ultrasound and UV assisted Fenton treatment of recalcitrant wastewaters using transition metal-substituted-magnetite nanoparticles. Journal of Molecular Liquids, 2016, 222, 1076-1084.	2.3	53
81	Mathematical analysis of the effects of operating conditions and rheological behaviour of reaction medium on biodiesel synthesis under ultrasound irradiation. Fuel, 2016, 184, 637-647.	3.4	10
82	Determination of kinetic parameters for thermal decomposition of bamboo leaf to extract bio-silica. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 3249-3254.	1.2	4
83	Dye Concentrations Measurement Using Mach-Zehnder Interferometer Sensor and Modeled by ANFIS. IEEE Sensors Journal, 2016, 16, 8044-8050.	2.4	3
84	An Insight into Physical and Chemical Impacts of Cavitation under Different Operational Conditions in Biodiesel Synthesis under Ultrasound Irradiation. Journal of Chemical Engineering of Japan, 2016, 49, 756-770.	0.3	1
85	Sonochemical reactors: Review on features, advantages and limitations. Renewable and Sustainable Energy Reviews, 2016, 63, 302-314.	8.2	85
86	Study of sparger location on solid suspension in a triple-impeller stirred vessel. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 229-236.	0.8	2
87	Combination of electrocoagulation with advanced oxidation processes for the treatment of distillery industrial effluent. Chemical Engineering Research and Design, 2016, 99, 227-235.	2.7	94
88	Dye concentration determination with cross-sensitivity compensation. Sensors and Actuators B: Chemical, 2016, 226, 450-456.	4.0	3
89	Integrated ozone-electrocoagulation process for the removal of pollutant from industrial effluent: Optimization through response surface methodology. Chemical Engineering and Processing: Process Intensification, 2016, 105, 92-102.	1.8	76
90	Development of an advanced chemical oxidation wastewater treatment system for the batik industry in Malaysia. RSC Advances, 2016, 6, 25222-25241.	1.7	36

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91	Sensitivity analysis of catalyzed-transesterification as a renewable and sustainable energy production system by adaptive neuro-fuzzy methodology. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 64, 47-58.	2.7	22
92	Investigation on stability and viscosity of SiO ₂ -CH ₃ OH (methanol) nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016, 72, 16-22.	2.9	21
93	Maximizing gas-liquid interfacial area in a three-phase stirred vessel operating at high solids concentrations. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016, 104, 133-147.	1.8	12
94	Recent advances and prospects of catalytic advanced oxidation process in treating textile effluents. <i>Reviews in Chemical Engineering</i> , 2016, 32, 1-47.	2.3	207
95	Effect of ultrasonic irradiations on gas-liquid mass transfer coefficient (k _L); Experiments and modelling. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 79, 119-129.	2.5	11
96	Facile synthesis of sulfated mesoporous Zr/ZSM-5 with improved Brønsted acidity and superior activity over SZr/Ag, SZr/Ti, and SZr/W in transforming UFO into biodiesel. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 247-257.	2.7	21
97	TiO ₂ catalyst deactivation in textile wastewater treatment: Current challenges and future advances. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 33, 11-21.	2.9	27
98	Acidity and catalytic performance of Yb-doped TiO ₂ photocatalyst in comparison with TiO ₂ photocatalyst. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 59, 195-204.	2.7	15
99	Sensitivity analysis of the photoactivity of Cu ²⁺ -TiO ₂ /ZnO during advanced oxidation reaction by Adaptive Neuro-Fuzzy Selection Technique. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 77, 155-174.	2.5	23
100	Investigation on stability and density of methanol based TiO ₂ nanofluids. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 88, 012057.	0.3	32
101	Degradation and Mineralization of Phenol Compounds with Goethite Catalyst and Mineralization Prediction Using Artificial Intelligence. <i>PLoS ONE</i> , 2015, 10, e0119933.	1.1	3
102	Palm Frond and Spikelet as Environmentally Benign Alternative Solid Acid Catalysts for Biodiesel Production. <i>BioResources</i> , 2015, 10, .	0.5	23
103	Cleaner production implementation in a fruit juice production plant. <i>Journal of Cleaner Production</i> , 2015, 101, 215-221.	4.6	46
104	Degradation performance and cost implication of UV-integrated advanced oxidation processes for wastewater treatments. <i>Reviews in Chemical Engineering</i> , 2015, 31, .	2.3	44
105	Dual Output Approach in Dye Concentrations Determination Using Non-Adiabatic Tapered Fiber. <i>IEEE Sensors Journal</i> , 2015, 15, 3903-3908.	2.4	4
106	Maximizing Impeller Power Efficiency in Gas-Solid-Liquid Stirred Vessels through Process Intensification. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 11915-11928.	1.8	6
107	Challenges and recommendations for using membranes in wastewater-based microbial fuel cells for in situ Fenton oxidation for textile wastewater treatment. <i>Reviews in Chemical Engineering</i> , 2015, 31, .	2.3	11
108	Thermophysical properties of methanol based Al ₂ O ₃ nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2015, 85, 414-419.	2.5	56

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109	Mean drop size correlations and population balance models for liquid-liquid dispersion. <i>AICHE Journal</i> , 2015, 61, 1129-1145.	1.8	23
110	Influence of ultrasound power on acoustic streaming and micro-bubbles formations in a low frequency sono-reactor: Mathematical and 3D computational simulation. <i>Ultrasonics Sonochemistry</i> , 2015, 24, 193-203.	3.8	72
111	Fenton oxidative treatment of petroleum refinery wastewater: process optimization and sludge characterization. <i>RSC Advances</i> , 2015, 5, 68159-68168.	1.7	23
112	Elemental distribution and porosity enhancement in advanced nano bimetallic catalyst. <i>Powder Technology</i> , 2015, 280, 42-52.	2.1	5
113	Liquid-liquid mass transfer studies in various stirred vessel designs. <i>Reviews in Chemical Engineering</i> , 2015, 31, .	2.3	8
114	Application of multiple linear regression, central composite design, and ANFIS models in dye concentration measurement and prediction using plastic optical fiber sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 74, 78-86.	2.5	43
115	A comparative fluid flow characterisation in a low frequency/high power sonoreactor and mechanical stirred vessel. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 359-373.	3.8	29
116	Niobium substituted magnetite as a strong heterogeneous Fenton catalyst for wastewater treatment. <i>Applied Surface Science</i> , 2015, 351, 175-187.	3.1	39
117	Solid-liquid mixing analysis in stirred vessels. <i>Reviews in Chemical Engineering</i> , 2015, 31, .	2.3	6
118	Effects of niobium and molybdenum impregnation on adsorption capacity and Fenton catalytic activity of magnetite. <i>RSC Advances</i> , 2015, 5, 87535-87549.	1.7	30
119	Hybrid of Fenton and sequencing batch reactor for petroleum refinery wastewater treatment. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 25, 186-191.	2.9	45
120	Biogasoline: An out-of-the-box solution to the food-for-fuel and land-use competitions. <i>Energy Conversion and Management</i> , 2015, 89, 349-367.	4.4	57
121	Review on the main advances in photo-Fenton oxidation system for recalcitrant wastewaters. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 53-69.	2.9	394
122	Selected physical properties of binary mixtures of crude glycerol and methanol at various temperatures. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 1039-1043.	2.9	21
123	Mechanistic analysis of cavitation assisted transesterification on biodiesel characteristics. <i>Ultrasonics Sonochemistry</i> , 2015, 22, 463-473.	3.8	25
124	Advanced oxidation processes for in-situ production of hydrogen peroxide/hydroxyl radical for textile wastewater treatment: a review. <i>Journal of Cleaner Production</i> , 2015, 87, 826-838.	4.6	746
125	Enhancement of Treatment Efficiency of Recalcitrant Wastewater Containing Textile Dyes Using a Newly Developed Iron Zeolite Socony Mobil-5 Heterogeneous Catalyst. <i>PLoS ONE</i> , 2015, 10, e0141348.	1.1	13
126	REDUCTION OF TOTAL SUSPENDED SOLIDS AND CHEMICAL OXYGEN DEMAND FROM PALM OIL MILL EFFLUENTS USING THE ELECTROCOAGULATION PROCESS. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 2897-2903.	0.2	0

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127	Simulation for Supporting Scale-Up of a Fluidized Bed Reactor for Advanced Water Oxidation. Scientific World Journal, The, 2014, 2014, 1-17.	0.8	6
128	Kinetic Modeling of a Heterogeneous Fenton Oxidative Treatment of Petroleum Refining Wastewater. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	1
129	A Comparison of Central Composite Design and Taguchi Method for Optimizing Fenton Process. Scientific World Journal, The, 2014, 2014, 1-14.	0.8	155
130	Temperature Compensation in Determining of Remazol Black B Concentrations Using Plastic Optical Fiber Based Sensor. Sensors, 2014, 14, 15836-15848.	2.1	9
131	Characterisation of bio-silica synthesised from cogon grass (<i>Imperata cylindrica</i>). Powder Technology, 2014, 254, 206-213.	2.1	23
132	From bamboo leaf to aerogel: Preparation of water glass as a precursor. Journal of Non-Crystalline Solids, 2014, 386, 76-84.	1.5	45
133	Review on the application of modified iron oxides as heterogeneous catalysts in Fenton reactions. Journal of Cleaner Production, 2014, 64, 24-35.	4.6	583
134	Activity of solid acid catalysts for biodiesel production: A critical review. Applied Catalysis A: General, 2014, 470, 140-161.	2.2	291
135	Recent advances, challenges and prospects of <i>in situ</i> production of hydrogen peroxide for textile wastewater treatment in microbial fuel cells. Journal of Chemical Technology and Biotechnology, 2014, 89, 1466-1480.	1.6	30
136	Experimental Investigations in Liquid-Liquid Dispersion System: Effects of Dispersed Phase Viscosity and Impeller Speed. Industrial & Engineering Chemistry Research, 2014, 53, 6554-6561.	1.8	17
137	Effect of temperature and volume fraction on rheology of methanol based nanofluids. International Journal of Heat and Mass Transfer, 2014, 77, 765-769.	2.5	44
138	Thermal Insulative Performance of Bamboo Leaf Aerogel Opacified Using Activated Carbon Compared with Carbon Black. Advanced Materials Research, 2014, 941-944, 2482-2485.	0.3	0
139	Applicability of fluidized bed reactor in recalcitrant compound degradation through advanced oxidation processes: A review. Journal of Environmental Management, 2014, 146, 260-275.	3.8	115
140	Removal of residual palm oil-based biodiesel catalyst using membrane ultra-filtration technique: An optimization study. AEJ - Alexandria Engineering Journal, 2014, 53, 705-715.	3.4	21
141	Investigation of convection and diffusion during biodiesel production in packed membrane reactor using 3D simulation. Journal of Industrial and Engineering Chemistry, 2014, 20, 1493-1504.	2.9	17
142	Physicochemical properties of bamboo leaf aerogels synthesized via different modes of gelation. Applied Surface Science, 2014, 301, 161-172.	3.1	10
143	Multiple-impeller stirred vessel studies. Reviews in Chemical Engineering, 2014, 30, .	2.3	18
144	Thermal conductivity variation for methanol based nanofluids. International Journal of Heat and Mass Transfer, 2014, 76, 350-356.	2.5	99

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145	Investigation, modelling and reviewing the effective parameters in microwave-assisted transesterification. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 37, 762-777.	8.2	51
146	3D Simulation of fatty acid methyl ester production in a packed membrane reactor. <i>Fuel Processing Technology</i> , 2014, 118, 7-19.	3.7	11
147	Glycerol production and its applications as a raw material: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 27, 118-127.	8.2	511
148	Reactive extraction of solid coconut waste to produce biodiesel. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 233-238.	2.7	44
149	Review on Measurement Techniques for Drop Size Distribution in a Stirred Vessel. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 16085-16094.	1.8	37
150	Blended aviation biofuel from esterified <i>Jatropha curcas</i> and waste vegetable oils. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 911-916.	2.7	42
151	The effects of catalysts in biodiesel production: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 14-26.	2.9	436
152	Study of various curved-blade impeller geometries on power consumption in stirred vessel using response surface methodology. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 192-201.	2.7	30
153	Solid acid-catalyzed biodiesel production from microalgal oil – The dual advantage. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 113-121.	3.3	62
154	Optimization and modeling of extraction of solid coconut waste oil. <i>Journal of Food Engineering</i> , 2013, 114, 228-234.	2.7	81
155	Fibre Optic Sensors for Selected Wastewater Characteristics. <i>Sensors</i> , 2013, 13, 8640-8668.	2.1	53
156	LIQUID-LIQUID MIXING IN STIRRED VESSELS: A REVIEW. <i>Chemical Engineering Communications</i> , 2013, 200, 595-627.	1.5	52
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