

Mohd Sobri Takriff

List of Publications by Year in descending order

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167
papers

4,958
citations

81743

39
h-index

110170

64
g-index

170
all docs

170
docs citations

170
times ranked

5254
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview: biomolecules from microalgae for animal feed and aquaculture. <i>Journal of Biological Research</i> , 2014, 21, 6.	2.2	267
2	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
3	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
4	On the inhibition of mild steel corrosion by 4-amino-5-phenyl-4H-1, 2, 4-triazole-3-thiol. <i>Corrosion Science</i> , 2010, 52, 526-533.	3.0	183
5	Experimental and theoretical study on the inhibition performance of triazole compounds for mild steel corrosion. <i>Corrosion Science</i> , 2010, 52, 3331-3340.	3.0	166
6	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
7	Molecular dynamics and quantum chemical calculation studies on 4,4-dimethyl-3-thiosemicarbazide as corrosion inhibitor in 2.5M H ₂ SO ₄ . <i>Materials Chemistry and Physics</i> , 2011, 129, 660-665.	2.0	110
8	One-pot sol-gel synthesis of MgO nanoparticles supported nickel and iron catalysts for undiluted methane decomposition into CO _x free hydrogen and nanocarbon. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 298-316.	10.8	109
9	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
10	A comparative study of the corrosion inhibition of mild steel in sulphuric acid by 4,4-dimethylloxazolidine-2-thione. <i>Corrosion Science</i> , 2009, 51, 2393-2399.	3.0	95
11	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
12	Antimicrobial and Antioxidant Activities of New Metal Complexes Derived from 3-Aminocoumarin. <i>Molecules</i> , 2011, 16, 6969-6984.	1.7	84
13	Methane decomposition over Pd promoted Ni/MgAl ₂ O ₄ catalysts for the production of CO _x free hydrogen and multiwalled carbon nanotubes. <i>Applied Surface Science</i> , 2015, 356, 1320-1326.	3.1	82
14	Hydrogen purification using compact pressure swing adsorption system for fuel cell. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 2771-2777.	3.8	81
15	Methane decomposition into CO _x free hydrogen and multiwalled carbon nanotubes over ceria, zirconia and lanthana supported nickel catalysts prepared via a facile solid state citrate fusion method. <i>Energy Conversion and Management</i> , 2016, 126, 302-315.	4.4	79
16	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
17	Technical design and economic evaluation of a PEM fuel cell system. <i>Journal of Power Sources</i> , 2006, 157, 641-649.	4.0	75
18	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

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19	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
20	Non-oxidative thermocatalytic decomposition of methane into CO _x free hydrogen and nanocarbon over unsupported porous NiO and Fe ₂ O ₃ catalysts. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 18509-18521.	3.8	71
21	Performance of AFEX [®] pretreated rice straw as source of fermentable sugars: the influence of particle size. <i>Biotechnology for Biofuels</i> , 2013, 6, 40.	6.2	69
22	Potential of the microalgae-based integrated wastewater treatment and CO ₂ 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
23	One-pot sol-gel synthesis of Ni/TiO ₂ catalysts for methane decomposition into CO _x free hydrogen and multiwalled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16495-16513.	3.8	67
24	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
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	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
27	Catalytic decomposition of undiluted methane into hydrogen and carbon nanotubes over Pt promoted Ni/CeO ₂ catalysts. <i>New Journal of Chemistry</i> , 2018, 42, 14843-14856.	1.4	55
28	Predicting flux and rejection of multicomponent salts mixture in nanofiltration membranes. <i>Desalination</i> , 2003, 157, 105-111.	4.0	54
29	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
30	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
31	Microalgae acclimatization in industrial wastewater and its effect on growth and primary metabolite composition. <i>Algal Research</i> , 2021, 53, 102163.	2.4	51
32	Phycoremediation of palm oil mill effluent (POME) and CO ₂ 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
33	Production of activated carbon from candlenut shell by CO ₂ activation. <i>Carbon</i> , 2004, 42, 453-455.	5.4	47
34	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
35	Adsorption Kinetics of 4-Amino-5-Phenyl-4H-1, 2, 4-Triazole-3-Thiol on Mild Steel Surface. <i>Portugaliae Electrochimica Acta</i> , 2010, 28, 221-230.	0.4	46
36	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

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37	Potential of Micro and Macro Algae for Biofuel Production: A Brief Review. <i>BioResources</i> , 2013, 9, .	0.5	43
38	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
39	The influence of titanium dioxide nanofiller ratio on morphology and surface properties of TiO ₂ /chitosan nanocomposite. <i>Results in Physics</i> , 2019, 13, 102296.	2.0	42
40	Size and shape controlled of Fe ₂ O ₃ 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
41	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
42	Assessing the feasibility of microalgae cultivation in agricultural wastewater: The nutrient characteristics. <i>Environmental Technology and Innovation</i> , 2019, 15, 100402.	3.0	37
43	Microalgae-bacteria interaction in palm oil mill effluent treatment. <i>Journal of Water Process Engineering</i> , 2020, 35, 101203.	2.6	37
44	Palm oil mill effluent treatment and CO ₂ sequestration by using microalgae sustainable strategies for environmental protection. <i>Environmental Science and Pollution Research</i> , 2017, 24, 20209-20240.	2.7	36
45	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
46	Design of a fuel processor unit for PEM fuel cell via shortcut design method. <i>Chemical Engineering Journal</i> , 2004, 104, 7-17.	6.6	33
47	Corrosion inhibitive property of 4-amino-5-phenyl-4H-1,2,4-triazole-3-thiol for mild steel corrosion in 1M hydrochloric acid. <i>Corrosion Engineering Science and Technology</i> , 2010, 45, 163-168.	0.7	33
48	Synthesis and characterization of Sm ³⁺ -doped ZnO nanoparticles via a sol-gel method and their photocatalytic application. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 85, 178-190.	1.1	32
49	CO ₂ fixation capability of <i>Chlorella</i> sp. and its use in treating agricultural wastewater. <i>Journal of Applied Phycology</i> , 2018, 30, 3017-3027.	1.5	29
50	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
51	A Review of Southeast Asian Oil Palm and Its CO ₂ Fluxes. <i>Sustainability</i> , 2020, 12, 5077.	1.6	28
52	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
53	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
54	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

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55	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
56	Physicochemical Properties of the Jospine Variety of Pineapple Fruit. <i>International Journal of Food Engineering</i> , 2007, 3, .	0.7	25
57	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
58	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
59	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
60	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
61	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
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	Rheological properties of Jospine pineapple juice at different stages of maturity. <i>International Journal of Food Science and Technology</i> , 2009, 44, 757-762.	1.3	22
64	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
65	The conceptual design of a PEMFC system via simulation. <i>Chemical Engineering Journal</i> , 2004, 103, 99-113.	6.6	21
66	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
67	Integrated Palm Oil Mill Effluent Treatment and CO ₂ Sequestration by Microalgae. <i>Sains Malaysiana</i> , 2018, 47, 1455-1464.	0.3	21
68	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
69	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
70	Synthesis and characterisation of Co ²⁺ -incorporated ZnO nanoparticles prepared through a sol-gel method. <i>Advanced Powder Technology</i> , 2016, 27, 2439-2447.	2.0	18
71	Enhancement of 2-chlorophenol photocatalytic degradation in the presence Co ²⁺ -doped ZnO nanoparticles under direct solar radiation. <i>Research on Chemical Intermediates</i> , 2016, 42, 5219-5236.	1.3	18
72	Production of CO _x Free Hydrogen and Nanocarbon via Methane Decomposition Over Unsupported Porous Nickel and Iron Catalysts. <i>Journal of Cluster Science</i> , 2017, 28, 1579-1594.	1.7	18

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73	Void fraction of supersonic steam jet in subcooled water. Flow Measurement and Instrumentation, 2016, 47, 35-44.	1.0	17
74	Effect of oscillation amplitude on velocity distributions in an oscillatory baffled column (OBC). Chemical Engineering Research and Design, 2012, 90, 1038-1044.	2.7	15
75	Determining potential of subcooling to attenuate hydrodynamic instabilities for steam-water two phase flow. International Journal of Heat and Mass Transfer, 2015, 84, 178-197.	2.5	15
76	Mathematical modeling, simulation, and analysis for predicting improvement opportunities in the continuous catalytic regeneration reforming process. Chemical Engineering Research and Design, 2018, 132, 235-251.	2.7	15
77	Turbulence dissipation & its induced entrainment in subsonic swirling steam injected in cocurrent flowing water. International Journal of Heat and Mass Transfer, 2019, 145, 118716.	2.5	15
78	Carbon Emissions from Oil Palm Induced Forest and Peatland Conversion in Sabah and Sarawak, Malaysia. Forests, 2020, 11, 1285.	0.9	15
79	A new synthesized coumarin-derived Schiff base as a corrosion inhibitor of mild steel surface in HCl medium: gravimetric and DFT studies. International Journal of Corrosion and Scale Inhibition, 2020, 9, .	0.5	15
80	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.	1.3	14
81	<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. Heat Transfer - Asian Research, 2014, 43, 384-396.	2.8	14
82	Numerical and experimental investigations on the physical characteristics of supersonic steam jet induced hydrodynamic instabilities. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 271-283.	0.8	14
83	Pressure stresses generated due to supersonic steam jet induced hydrodynamic instabilities. Chemical Engineering Science, 2016, 146, 44-63.	1.9	14
84	In Situ Controlled Surface Microstructure of 3D Printed Ti Alloy to Promote Its Osteointegration. Materials, 2019, 12, 815.	1.3	14
85	Biotechnological approach to generate green biohydrogen through the utilization of succinate-rich fermentation wastewater. International Journal of Hydrogen Energy, 2020, 45, 22246-22259.	3.8	14
86	A study on the inhibition of mild steel corrosion in hydrochloric acid environment by 4-methyl-2-(pyridin-3-yl)thiazole-5-carbohydrazide. International Journal of Corrosion and Scale Inhibition, 2019, 8, .	0.5	14
87	Interstage backmixing of an aerated multistage, mechanically agitated, compartmented column. Canadian Journal of Chemical Engineering, 1998, 76, 365-369.	0.9	13
88	Corrosion Inhibition of Mild Steel in 1.0 M HCl by Amino Compound: Electrochemical and DFT Studies. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 3379-3386.	1.1	13
89	Enhancement of biohydrogen production from palm oil mill effluent (POME): A review. International Journal of Hydrogen Energy, 2022, 47, 40637-40655.	3.8	13
90	Design of a Tubular Ceramic Membrane for Gas Separation in a PEMFC System. Fuel Cells, 2003, 3, 189-198.	1.5	12

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91	Soft Skill Development Via Chem-E-Car Project. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 60, 507-511.	0.5	12
92	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
93	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
94	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
95	Comparative study between open ended laboratory and traditional laboratory. , 2011, , .		11
96	Inclined Injection of Supersonic Steam into Subcooled Water: A CFD Analysis. <i>Advanced Materials Research</i> , 0, 845, 101-107.	0.3	11
97	Simulation of a Fluidized Bed Dryer for the Drying of Sago Waste. <i>Energies</i> , 2018, 11, 2383.	1.6	11
98	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
99	Pre-treatments Anaerobic Palm Oil Mill Effluent (POME) for Microalgae Treatment. <i>Indian Journal of Science and Technology</i> , 2016, 9, .	0.5	10
100	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
101	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
102	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
103	Students' feedback in the continuous quality improvement cycle of engineering education. , 2011, , .		9
104	Experimental and Numerical Investigations of Heat Transfer Characteristics for Impinging Swirl Flow. <i>Advances in Mechanical Engineering</i> , 2014, 6, 631081.	0.8	9
105	Nutrient Removal of POME Using POME Isolated Microalgae Strain, <i>Characium</i> sp.. <i>Advanced Materials Research</i> , 0, 1113, 364-369.	0.3	9
106	Dose-response analysis of toxic effect from palm oil mill effluent (POME) by-products on biohydrogen producing bacteria â€” A preliminary study on microbial density and determination of EC50. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 110991.	2.9	9
107	Electrical Resistance Tomography Investigation of Gas Dispersion in Gas-Liquid Mixing in an Agitated Vessel. <i>Journal of Applied Sciences</i> , 2009, 9, 3110-3115.	0.1	9
108	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

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109	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
110	Yield and energy optimization of the continuous catalytic regeneration reforming process based particle swarm optimization. <i>Energy</i> , 2020, 206, 118098.	4.5	8
111	Computational Calculations, Gravimetical, 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
112	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
113	Corrosion inhibition of thiadiazole derivative for mild steel in hydrochloric acid solution. <i>International Journal of Corrosion and Scale Inhibition</i> , 0, .	0.5	7
114	The Effect of Initial Butyric Acid Addition on ABE Fermentation by <i>C. acetobutylicum</i> NCIMB 619. <i>Journal of Applied Sciences</i> , 2010, 10, 2709-2712.	0.1	7
115	Synthesis and optimization of a PEM fuel cell system via reactor-separation network (RSN). <i>Journal of Power Sources</i> , 2006, 159, 1194-1204.	4.0	6
116	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
117	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
118	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
119	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
120	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
121	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
122	Interstage Backmixing in Oscillatory Flow in a Baffled Column. <i>Chemical Engineering Communications</i> , 2002, 189, 1640-1652.	1.5	5
123	Modeling the fate and transport of non-volatile organic chemicals in the agro-ecosystem: A case study of Cameron Highlands, Malaysia. <i>Chemical Engineering Research and Design</i> , 2009, 87, 121-134.	2.7	5
124	Comparative Studies on Thermal Performance of Conic Cut Twist Tape Inserts with SiO ₂ and TiO ₂ Nanofluids. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-14.	1.5	5
125	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
126	Drying sago pith waste in a fluidized bed dryer. <i>Food and Bioproducts Processing</i> , 2020, 123, 335-344.	1.8	5

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127	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
128	Technical insights into carbon dioxide sequestration by microalgae: A biorefinery approach towards sustainable environment. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	5
129	Solar Photocatalytic Degradation of 2,4-Dichlorophenol by TiO ₂ Nanoparticle Prepared by Sol-Gel Method. <i>Advanced Materials Research</i> , 2011, 233-235, 3032-3035.	0.3	4
130	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
131	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
132	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
133	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
134	Inhibition of Aluminum Alloy 2024 Corrosion by 4-Amino-5-Phenyl-4H-1, 2, 4-Trizole-3-Thiol in Highly Sulfuric Acid Solution. <i>Advanced Materials Research</i> , 0, 93-94, 354-357.	0.3	3
135	Inhibition of Mild Steel Corrosion under Hydrodynamic Conditions. , 2010, , .		3
136	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
137	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
138	Investigation of Adding Silicon on Fatigue Properties of Aluminum Based Alloys. <i>Silicon</i> , 2021, 13, 1215-1222.	1.8	3
139	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
140	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
141	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
142	Co-deposition of copper zinc alloy in cyanide-based electrolytes. <i>International Journal of Surface Science and Engineering</i> , 2008, 2, 541.	0.4	2
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