

# Lugman Chuah Abdullah

## List of Publications by Year in descending order

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288  
papers

11,992  
citations

36303

51  
h-index

33894

99  
g-index

290  
all docs

290  
docs citations

290  
times ranked

12782  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of technologies for oil and gas produced water treatment. <i>Journal of Hazardous Materials</i> , 2009, 170, 530-551.	12.4	1,712
2	Arsenic toxicity, health hazards and removal techniques from water: an overview. <i>Desalination</i> , 2007, 217, 139-166.	8.2	748
3	Demulsification techniques of water-in-oil and oil-in-water emulsions in petroleum industry. <i>Separation and Purification Technology</i> , 2016, 170, 377-407.	7.9	484
4	Rice husk as a potentially low-cost biosorbent for heavy metal and dye removal: an overview. <i>Desalination</i> , 2005, 175, 305-316.	8.2	475
5	Waste tire rubber in polymer blends: A review on the evolution, properties and future. <i>Progress in Materials Science</i> , 2015, 72, 100-140.	32.8	368
6	Oil removal from aqueous state by natural fibrous sorbent: An overview. <i>Separation and Purification Technology</i> , 2013, 113, 51-63.	7.9	318
7	Thermomechanical and dynamic mechanical properties of bamboo/woven kenaf mat reinforced epoxy hybrid composites. <i>Composites Part B: Engineering</i> , 2019, 163, 165-174.	12.0	181
8	A CFD study of the effect of cone dimensions on sampling aerocyclones performance and hydrodynamics. <i>Powder Technology</i> , 2006, 162, 126-132.	4.2	176
9	The influence of temperature and inlet velocity on cyclone pressure drop: a CFD study. <i>Chemical Engineering and Processing: Process Intensification</i> , 2005, 44, 7-12.	3.6	170
10	Overview on petroleum emulsions, formation, influence and demulsification treatment techniques. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3403-3428.	4.9	153
11	Solid matrices for fabrication of magnetic iron oxide nanocomposites: Synthesis, properties, and application for the adsorption of heavy metal ions and dyes. <i>Composites Part B: Engineering</i> , 2019, 162, 538-568.	12.0	145
12	Comparative study of polypropylene composites reinforced with oil palm empty fruit bunch fiber and oil palm derived cellulose. <i>Materials &amp; Design</i> , 2008, 29, 173-178.	5.1	140
13	A Review of Natural Fiber Reinforced Poly(Vinyl Alcohol) Based Composites: Application and Opportunity. <i>Polymers</i> , 2015, 7, 2205-2222.	4.5	138
14	Effect of multi-wall carbon nanotubes on the mechanical properties of natural rubber. <i>Composite Structures</i> , 2006, 75, 496-500.	5.8	136
15	Waterborne polyurethane dispersions synthesized from jatropha oil. <i>Industrial Crops and Products</i> , 2015, 64, 194-200.	5.2	123
16	Producing Jatropha oil-based polyol via epoxidation and ring opening. <i>Industrial Crops and Products</i> , 2013, 50, 563-567.	5.2	121
17	Acid modified carbon coated monolith for methyl orange adsorption. <i>Chemical Engineering Journal</i> , 2013, 215-216, 747-754.	12.7	119
18	Evaluation of membrane bioreactor for hypersaline oily wastewater treatment. <i>Chemical Engineering Research and Design</i> , 2012, 90, 45-55.	5.6	114

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19	Size-controlled synthesis of nano $\gamma$ -alumina particles through the sol-gel method. <i>Ceramics International</i> , 2010, 36, 1253-1257.	4.8	112
20	Adsorption of basic dye onto palm kernel shell activated carbon: sorption equilibrium and kinetics studies. <i>Desalination</i> , 2005, 186, 57-64.	8.2	110
21	Rheological properties of cellulose nanocrystal-embedded polymer composites: a review. <i>Cellulose</i> , 2016, 23, 1011-1030.	4.9	110
22	Application of membrane-coupled sequencing batch reactor for oilfield produced water recycle and beneficial re-use. <i>Bioresource Technology</i> , 2010, 101, 6942-6949.	9.6	109
23	Membrane foulants characterization in a membrane bioreactor (MBR) treating hypersaline oily wastewater. <i>Chemical Engineering Journal</i> , 2011, 168, 140-150.	12.7	104
24	Prediction of the effects of cone tip diameter on the cyclone performance. <i>Journal of Aerosol Science</i> , 2005, 36, 1056-1065.	3.8	103
25	Optimization of torrefaction conditions for high energy density solid biofuel from oil palm biomass and fast growing species available in Malaysia. <i>Industrial Crops and Products</i> , 2013, 49, 768-774.	5.2	96
26	Modelling of rheological behaviour of pummelo juice concentrates using master-curve. <i>Journal of Food Engineering</i> , 2009, 93, 134-140.	5.2	88
27	Biosorption and desorption of Nickel on oil cake: Batch and column studies. <i>Bioresource Technology</i> , 2012, 103, 35-42.	9.6	88
28	Drying kinetics and product quality of dried Chempedak. <i>Journal of Food Engineering</i> , 2008, 88, 522-527.	5.2	86
29	Adsorption/desorption of cationic dye on surfactant modified mesoporous carbon coated monolith: Equilibrium, kinetic and thermodynamic studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 369-377.	5.8	86
30	Melt Production and Antimicrobial Efficiency of Low-Density Polyethylene (LDPE)-Silver Nanocomposite Film. <i>Food and Bioprocess Technology</i> , 2012, 5, 719-728.	4.7	82
31	Impact of Storage Conditions on the Stability of Predominant Phenolic Constituents and Antioxidant Activity of Dried Piper betle Extracts. <i>Molecules</i> , 2018, 23, 484.	3.8	82
32	Investigating <i>Citrullus Colocynthis</i> L.) Seed Oil as Potential Biodiesel Feedstock. <i>Energies</i> , 2010, 3, 607-618.	3.1	81
33	Modeling of membrane bioreactor treating hypersaline oily wastewater by artificial neural network. <i>Journal of Hazardous Materials</i> , 2011, 192, 568-575.	12.4	80
34	Accelerated weathering and soil burial effects on colour, biodegradability and thermal properties of bamboo/kenaf/epoxy hybrid composites. <i>Polymer Testing</i> , 2019, 79, 106054.	4.8	79
35	Bio-Based Polymer Electrolytes for Electrochemical Devices: Insight into the Ionic Conductivity Performance. <i>Materials</i> , 2020, 13, 838.	2.9	78
36	Review of Bionanocomposite Coating Films and Their Applications. <i>Polymers</i> , 2016, 8, 246.	4.5	72

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37	A CFD Study on the Prediction of Cyclone Collection Efficiency. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2005, 6, 161-168.	2.1	71
38	Synthesis and characterization of <i>Jatropha</i> ( <i>Jatropha curcas</i> L.) oil-based polyurethane wood adhesive. <i>Industrial Crops and Products</i> , 2014, 60, 177-185.	5.2	70
39	Individualization of microfibrillated celluloses from oil palm empty fruit bunch: comparative studies between acid hydrolysis and ammonium persulfate oxidation. <i>Cellulose</i> , 2016, 23, 379-390.	4.9	69
40	Biomedical and Microbiological Applications of Bio-Based Porous Materials: A Review. <i>Polymers</i> , 2017, 9, 160.	4.5	69
41	Optimization of the demulsification of water in oil emulsion via non-ionic surfactant by the response surface methods. <i>Journal of Petroleum Science and Engineering</i> , 2020, 184, 106463.	4.2	68
42	Biomass as the Renewable Energy Sources in Malaysia: An Overview. <i>International Journal of Green Energy</i> , 2006, 3, 323-346.	3.8	66
43	A new source of natural adhesive: <i>Acacia mangium</i> bark extracts co-polymerized with phenol-formaldehyde (PF) for bonding <i>Mempisang</i> ( <i>Annonaceae</i> spp.) veneers. <i>International Journal of Adhesion and Adhesives</i> , 2011, 31, 164-167.	2.9	63
44	Synthesis and Optimization of Chitosan Nanoparticles Loaded with L-Ascorbic Acid and Thymoquinone. <i>Nanomaterials</i> , 2018, 8, 920.	4.1	63
45	Potential for Natural Fiber Reinforcement in PLA Polymer Filaments for Fused Deposition Modeling (FDM) Additive Manufacturing: A Review. <i>Polymers</i> , 2021, 13, 1407.	4.5	63
46	Fortification of sulfited tannin from the bark of <i>Acacia mangium</i> with phenol-formaldehyde for use as plywood adhesive. <i>Industrial Crops and Products</i> , 2009, 30, 416-421.	5.2	62
47	POME is treated for removal of color from biologically treated POME in fixed bed column: Applying wavelet neural network (WNN). <i>Journal of Hazardous Materials</i> , 2013, 262, 106-113.	12.4	62
48	Thermal and dynamic mechanical properties of grafted kenaf filled poly (vinyl chloride)/ethylene vinyl acetate composites. <i>Materials &amp; Design</i> , 2015, 65, 204-211.	5.1	62
49	Surface Plasmon Resonance Sensing Detection of Mercury and Lead Ions Based on Conducting Polymer Composite. <i>PLoS ONE</i> , 2011, 6, e24578.	2.5	59
50	Biological treatment of produced water in a sequencing batch reactor by a consortium of isolated halophilic microorganisms. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 1229-1239.	2.2	58
51	Morphological, Physicochemical and Thermal Properties of Microcrystalline Cellulose (MCC) Extracted from Bamboo Fiber. <i>Molecules</i> , 2020, 25, 2824.	3.8	57
52	Adsorption of carbon dioxide using activated carbon impregnated with Cu promoted by zinc. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 52, 109-117.	5.3	54
53	Effects of nanoclay on physical and dimensional stability of Bamboo/Kenaf/nanoclay reinforced epoxy hybrid nanocomposites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5871-5880.	5.8	52
54	Membrane-Based Electrolysis for Hydrogen Production: A Review. <i>Membranes</i> , 2021, 11, 810.	3.0	51

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55	Drying of Betel Leaves ( <i>Piper betle</i> ): Quality and Drying Kinetics. <i>Drying Technology</i> , 2009, 27, 149-155.	3.1	50
56	Equilibrium, kinetics and thermodynamic adsorption studies of acid dyes on adsorbent developed from kenaf core fiber. <i>Adsorption Science and Technology</i> , 2018, 36, 694-712.	3.2	50
57	Potential of Oil Palm Empty Fruit Bunch Resources in Nanocellulose Hydrogel Production for Versatile Applications: A Review. <i>Materials</i> , 2020, 13, 1245.	2.9	49
58	Surface Modification Effects on CNTs Adsorption of Methylene Blue and Phenol. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-18.	2.7	47
59	Optical band gap and conductivity measurements of polypyrrole-chitosan composite thin films. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012, 30, 93-100.	3.8	45
60	Numerical study of dispersed oil-water turbulent flow in horizontal tube. <i>Journal of Petroleum Science and Engineering</i> , 2009, 65, 123-128.	4.2	44
61	Adsorption of glyphosate onto activated carbon derived from waste newspaper. <i>Desalination and Water Treatment</i> , 2010, 24, 321-326.	1.0	44
62	A Review on Antimicrobial Packaging from Biodegradable Polymer Composites. <i>Polymers</i> , 2022, 14, 174.	4.5	44
63	Characterization of Mechanical Properties: Low-Density Polyethylene Nanocomposite Using Nanoalumina Particle as Filler. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-6.	2.7	43
64	Effect of ambient conditions on drying of herbs in solar greenhouse dryer with integrated heat pump. <i>Drying Technology</i> , 2017, 35, 1721-1732.	3.1	42
65	Adsorptive Removal of Methylene Blue from Aquatic Environments Using Thiourea-Modified Poly(Acrylonitrile-co-Acrylic Acid). <i>Materials</i> , 2019, 12, 1734.	2.9	42
66	CO <sub>2</sub> adsorption on modified carbon coated monolith: effect of surface modification by using alkaline solutions. <i>Applied Surface Science</i> , 2015, 324, 569-575.	6.1	41
67	Utilization of esterified sago bark fibre waste for removal of oil from palm oil mill effluent. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 170-177.	6.7	41
68	Mechanical and Morphological Properties of Polypropylene/Nano-Al <sub>2</sub> O <sub>3</sub> Composites. <i>Scientific World Journal</i> , The, 2014, 2014, 1-12.	2.1	40
69	Recent trends in biodiesel production from commonly used animal fats. <i>International Journal of Energy Research</i> , 2018, 42, 885-902.	4.5	40
70	Adsorption of Malachite Green Dye from Liquid Phase Using Hydrophilic Thiourea-Modified Poly(acrylonitrile-co-acrylic acid): Kinetic and Isotherm Studies. <i>Journal of Chemistry</i> , 2019, 2019, 1-14.	1.9	39
71	Drying Kinetics, Texture, Color, and Determination of Effective Diffusivities During Sun Drying of Chempedak. <i>Drying Technology</i> , 2008, 26, 1286-1293.	3.1	38
72	Acacia mangium Tannin as Formaldehyde Scavenger for Low Molecular Weight Phenol-Formaldehyde Resin in Bonding Tropical Plywood. <i>Journal of Adhesion Science and Technology</i> , 2010, 24, 1653-1664.	2.6	38

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73	Film-pore-concentration-dependent surface diffusion model for the adsorption of dye onto palm kernel shell activated carbon. <i>Journal of Colloid and Interface Science</i> , 2006, 301, 436-440.	9.4	36
74	Drying characteristics of <i>Orthosiphon stamineus</i> Benth by solar-assisted heat pump drying. <i>Drying Technology</i> , 2017, 35, 1755-1764.	3.1	36
75	Effect of TEMPO-oxidization and rapid cooling on thermo-structural properties of nanocellulose. <i>Carbohydrate Polymers</i> , 2017, 173, 91-99.	10.2	35
76	Physicochemical Properties of Jatropha Oil-Based Polyol Produced by a Two Steps Method. <i>Molecules</i> , 2017, 22, 551.	3.8	35
77	Fuel properties and rheological behavior of biodiesel from egusi ( <i>Colocynthis citrullus</i> L.) seed kernel oil. <i>Fuel Processing Technology</i> , 2014, 122, 42-48.	7.2	34
78	Effect of methyl methacrylate grafted kenaf on mechanical properties of polyvinyl chloride/ethylene vinyl acetate composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 63, 45-50.	7.6	34
79	Simultaneous Adsorption of Cationic Dyes from Binary Solutions by Thiourea-Modified Poly(acrylonitrile-co-acrylic acid): Detailed Isotherm and Kinetic Studies. <i>Materials</i> , 2019, 12, 2903.	2.9	34
80	The Effects of Varying Solvent Polarity on Extraction Yield of <i>Orthosiphon stamineus</i> Leaves. <i>Journal of Applied Sciences</i> , 2012, 12, 1207-1210.	0.3	34
81	Improved Method for Preparation of Amidoxime Modified Poly(acrylonitrile-co-acrylic acid): Characterizations and Adsorption Case Study. <i>Polymers</i> , 2015, 7, 1205-1220.	4.5	33
82	FTIR, CHNS and XRD analyses define mechanism of glyphosate herbicide removal by electrocoagulation. <i>Chemosphere</i> , 2019, 233, 559-569.	8.2	33
83	Low cost and efficient synthesis of magnetic iron oxide/activated sericite nanocomposites for rapid removal of methylene blue and crystal violet dyes. <i>Materials Characterization</i> , 2020, 163, 110275.	4.4	33
84	Recent advances in the application of cellulose derivatives for removal of contaminants from aquatic environments. <i>Cellulose</i> , 2021, 28, 7521-7557.	4.9	33
85	A comparative study of acrylate oligomer on Jatropha and Palm oil-based UV-curable surface coating. <i>Industrial Crops and Products</i> , 2015, 77, 1047-1052.	5.2	32
86	Ultrasonic-Assisted Extraction (UAE) Process on Thymol Concentration from <i>Plectranthus Amboinicus</i> Leaves: Kinetic Modeling and Optimization. <i>Processes</i> , 2020, 8, 322.	2.8	32
87	Drying Models and Quality Analysis of Sun-Dried Ciku. <i>Drying Technology</i> , 2009, 27, 985-992.	3.1	30
88	A facile and green synthetic approach toward fabrication of starch-stabilized magnetite nanoparticles. <i>Chinese Chemical Letters</i> , 2017, 28, 1590-1596.	9.0	30
89	Characterization and Cellular Internalization of Spherical Cellulose Nanocrystals (CNC) into Normal and Cancerous Fibroblasts. <i>Materials</i> , 2019, 12, 3251.	2.9	30
90	Adsorption of $\beta$ -carotene onto mesoporous carbon coated monolith in isopropyl alcohol and n-hexane solution: equilibrium and thermodynamic study. <i>Chemical Engineering Journal</i> , 2010, 164, 178-182.	12.7	29

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91	Removal of Heavy Metals from Steel Making Waste Water by Using Electric Arc Furnace Slag. E-Journal of Chemistry, 2012, 9, 2557-2564.	0.5	29
92	Utilization of Malaysia EAF slags for effective application in direct aqueous sequestration of carbon dioxide under ambient temperature. Heliyon, 2019, 5, e02602.	3.2	29
93	Evaluation of the hybridization effect on the thermal and thermo-oxidative stability of bamboo/kenaf/epoxy hybrid composites. Journal of Thermal Analysis and Calorimetry, 2019, 137, 55-63.	3.6	29
94	Facile and green preparation of magnetite/zeolite nanocomposites for energy application in a single-step procedure. Journal of Alloys and Compounds, 2017, 719, 218-226.	5.5	29
95	Thermal and Dynamic Mechanical Behavior of Cellulose- and Oil Palm Empty Fruit Bunch (OPEFB)-Filled Polypropylene Biocomposites. Polymer-Plastics Technology and Engineering, 2009, 48, 1244-1251.	1.9	28
96	Artificial Neural Network Modeling of the Deposition Rate of Lactose Powder in Spray Dryers. Drying Technology, 2012, 30, 386-397.	3.1	27
97	Improved crystallinity and dynamic mechanical properties of reclaimed waste tire rubber/EVA blends under the influence of electron beam irradiation. Radiation Physics and Chemistry, 2017, 130, 362-370.	2.8	27
98	Characteristics of ionically conducting jatropha oil-based polyurethane acrylate gel electrolyte doped with potassium iodide. Materials Chemistry and Physics, 2019, 222, 110-117.	4.0	27
99	SOLID-LIQUID EXTRACTION OF BETEL LEAVES ( <i>PIPER BETLE</i> L.). Journal of Food Process Engineering, 2011, 34, 549-565.	2.9	26
100	Molecular distillation and characterization of diacylglycerol-enriched palm olein. European Journal of Lipid Science and Technology, 2014, 116, 1654-1663.	1.5	26
101	A study of mechanical and morphological properties of PLA based biocomposites prepared with EJO vegetable oil based plasticiser and kenaf fibres. Materials Research Express, 2018, 5, 085314.	1.6	26
102	Colloidal stability and rheology of jatropha oil-based waterborne polyurethane (JPU) dispersion. Progress in Organic Coatings, 2018, 125, 348-357.	3.9	26
103	Separation Emulsion via Non-Ionic Surfactant: An Optimization. Processes, 2019, 7, 382.	2.8	26
104	Fuel atomization in gas turbines: A review of novel technology. International Journal of Energy Research, 2019, 43, 3166-3181.	4.5	26
105	Optimisation of reactive dye removal by sequential electrocoagulation-flocculation method: comparing ANN and RSM prediction. Water Science and Technology, 2011, 63, 984-994.	2.5	25
106	Cationic Surfactants for Demulsification of Produced Water from Alkaline-Surfactant-Polymer Flooding. Energy & Fuels, 2019, 33, 115-126.	5.1	25
107	Preparation of Ethylene Glycol Dimethacrylate (EGDMA)-Based Terpolymer as Potential Sorbents for Pharmaceuticals Adsorption. Polymers, 2020, 12, 423.	4.5	25
108	Optimisation of Epoxide Ring-Opening Reaction for the Synthesis of Bio-Polyol from Palm Oil Derivative Using Response Surface Methodology. Molecules, 2021, 26, 648.	3.8	25

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109	Gas cleaning at high temperatures using rigid ceramic filters. <i>Advanced Powder Technology</i> , 2003, 14, 657-672.	4.1	24
110	Non-edible oil based polyurethane acrylate with tetrabutylammonium iodide gel polymer electrolytes for dye-sensitized solar cells. <i>Solar Energy</i> , 2020, 208, 457-468.	6.1	24
111	Screening of native microalgae species for carbon fixation at the vicinity of Malaysian coal-fired power plant. <i>Scientific Reports</i> , 2020, 10, 22355.	3.3	24
112	Assessment of corrosion protection and performance of bio-based polyurethane acrylate incorporated with nano zinc oxide coating. <i>Polymer Testing</i> , 2020, 87, 106526.	4.8	24
113	Thermal and dynamic mechanical analysis of polyethylene modified with crude palm oil. <i>Materials &amp; Design</i> , 2008, 29, 992-999.	5.1	23
114	Desorption of $\beta$ -carotene from mesoporous carbon coated monolith: Isotherm, kinetics and regeneration studies. <i>Chemical Engineering Journal</i> , 2011, 173, 474-479.	12.7	23
115	Thermal and Structural Analysis of Epoxidized Jatropha Oil and Alkaline Treated Kenaf Fiber Reinforced Poly(Lactic Acid) Biocomposites. <i>Polymers</i> , 2020, 12, 2604.	4.5	23
116	Performance of Cow Dung Reinforced Biodegradable Poly(Lactic Acid) Biocomposites for Structural Applications. <i>Journal of Polymers and the Environment</i> , 2018, 26, 474-486.	5.0	22
117	Optimization of Mechanical Properties for Polyoxymethylene/Glass Fiber/Polytetrafluoroethylene Composites Using Response Surface Methodology. <i>Polymers</i> , 2018, 10, 338.	4.5	22
118	Effect of MAPP and TMPTA as compatibilizer on the mechanical properties of cellulose and oil palm fiber empty fruit bunch polypropylene biocomposites. <i>Composite Interfaces</i> , 2008, 15, 251-262.	2.3	21
119	Fuel Characteristics of Solid Biofuel Derived from Oil Palm Biomass and Fast Growing Timber Species in Malaysia. <i>Bioenergy Research</i> , 2013, 6, 75-82.	3.9	21
120	Performance of Ionic Transport Properties in Vegetable Oil-Based Polyurethane Acrylate Gel Polymer Electrolyte. <i>ACS Omega</i> , 2019, 4, 2554-2564.	3.5	21
121	Comparative Study of Aromatic and Cycloaliphatic Isocyanate Effects on Physico-Chemical Properties of Bio-Based Polyurethane Acrylate Coatings. <i>Polymers</i> , 2020, 12, 1494.	4.5	21
122	Effect of Nanosilica and Titania on Thermal Stability of Polypropylene/Oil Palm Empty Fruit Fibre Composite. <i>Journal of Biobased Materials and Bioenergy</i> , 2013, 7, 169-174.	0.3	21
123	Adsorption of Nickel on Electric Arc Furnace Slag: Batch and Column Studies. <i>Separation Science and Technology</i> , 2014, 49, 388-397.	2.5	20
124	Chemical and Thermo-Mechanical Properties of Waterborne Polyurethane Dispersion Derived from Jatropha Oil. <i>Polymers</i> , 2021, 13, 795.	4.5	20
125	Influence of silica gel in production of diacylglycerol via enzymatic glycerolysis of palm olein. <i>European Journal of Lipid Science and Technology</i> , 2009, 111, 599-606.	1.5	19
126	Synthesis of Different Layers of Graphene on Stainless Steel Using the CVD Method. <i>Nanoscale Research Letters</i> , 2016, 11, 506.	5.7	19



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127	Insights into the <i>p</i> -nitrophenol adsorption by amidoxime-modified poly(acrylonitrile-co-acrylic acid): characterization, kinetics, isotherm, thermodynamic, regeneration and mechanism study. <i>RSC Advances</i> , 2021, 11, 8150-8162.	3.6	19
128	A review on plasma combustion of fuel in internal combustion engines. <i>International Journal of Energy Research</i> , 2018, 42, 1813-1833.	4.5	18
129	Impacts of different drying strategies on drying characteristics, the retention of bio-active ingredient and colour changes of dried Roselle. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 303-316.	3.5	18
130	Effects of temperature on viscosity of dodol (concoction). <i>Journal of Food Engineering</i> , 2007, 80, 423-430.	5.2	17
131	Comparative Study of the Electrochemical, Biomedical, and Thermal Properties of Natural and Synthetic Nanomaterials. <i>Nanoscale Research Letters</i> , 2018, 13, 112.	5.7	17
132	Development a new method for pilot scale production of high grade oil palm plywood: Effect of resin content on the mechanical properties, bonding quality and formaldehyde emission of palm plywood. <i>Materials &amp; Design</i> , 2013, 52, 828-834.	5.1	16
133	Removal of boron from aqueous solution using magnetic carbon nanotube improved with tartaric acid. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2014, 12, 3.	3.0	16
134	Mechanical and physical performance of cowdung-based polypropylene biocomposites. <i>Polymer Composites</i> , 2018, 39, 288-296.	4.6	16
135	Simultaneous Adsorption of Malachite Green and Methylene Blue Dyes in a Fixed-Bed Column Using Poly(Acrylonitrile-Co-Acrylic Acid) Modified with Thiourea. <i>Molecules</i> , 2020, 25, 2650.	3.8	16
136	Processing of natural fibre and method improvement for removal of endocrine-disrupting compounds. <i>Chemosphere</i> , 2022, 291, 132726.	8.2	16
137	The Potential Use of Kenaf as a Bioadsorbent for the Removal of Copper and Nickel from Single and Binary Aqueous Solution. <i>Journal of Natural Fibers</i> , 2010, 7, 267-275.	3.1	15
138	Solution enhanced dispersion by supercritical fluids (SEDS): An approach in particle engineering to modify aqueous solubility of andrographolide from <i>Andrographis paniculata</i> extract. <i>Chemical Engineering Research and Design</i> , 2018, 138, 176-189.	5.6	15
139	Kinetic study of lipase-catalyzed glycerolysis of palm olein using Lipozyme TLIM in solvent-free system. <i>PLoS ONE</i> , 2018, 13, e0192375.	2.5	15
140	Anti-inflammatory Activity of the Major Compound from Methanol Extract of <i>Phaleria macrocarpa</i> Leaves. <i>Journal of Applied Sciences</i> , 2012, 12, 1195-1198.	0.3	15
141	Effect of Mixing Conditions on the Tensile Properties of Ethylene Vinyl Acetate/Waste Tire Dust (EVA/WTD) Blend. <i>Polymer-Plastics Technology and Engineering</i> , 2009, 48, 1139-1142.	1.9	14
142	Performance of Irradiated and Crosslinked Ethylene Vinyl Acetate/Waste Tire Dust Blend. <i>Journal of Elastomers and Plastics</i> , 2011, 43, 239-256.	1.5	14
143	Effects of steeping variables and substrate mesh size on starch yield extracted from oil palm trunk. <i>Industrial Crops and Products</i> , 2013, 44, 240-245.	5.2	14
144	Esterification of <i>M. sagu</i> bark as an adsorbent for removal of emulsified oil. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 324-331.	6.7	14

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145	Equilibrium and kinetic behavior on cadmium and lead removal by using synthetic polymer. <i>Journal of Water Process Engineering</i> , 2017, 17, 277-289.	5.6	14
146	Removal of Reactive Anionic Dyes from Binary Solutions by Adsorption onto Quaternized Kenaf Core Fiber. <i>International Journal of Chemical Engineering</i> , 2017, 2017, 1-13.	2.4	14
147	<i>Clinacanthus nutans</i> Lindau: Effects of drying methods on the bioactive compounds, color characteristics, and water activity. <i>Drying Technology</i> , 2018, 36, 146-159.	3.1	14
148	Column Efficiency of Fluoride Removal Using Quaternized Palm Kernel Shell (QPKS). <i>International Journal of Chemical Engineering</i> , 2019, 2019, 1-13.	2.4	14
149	Phosphoric acid doped composite proton exchange membrane for hydrogen production in medium-temperature copper chloride electrolysis. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 22209-22222.	7.1	14
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