

Lugman Chuah Abdullah

List of Publications by Year in descending order

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papers

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36203

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all docs

290
docs citations

290
times ranked

12782
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective sequestration of levofloxacin from wastewater by biochar-supported manganese dioxide composite: Experimental study and modelling analyses. <i>Environmental Engineering Research</i> , 2023, 28, 210512-0.	1.5	1
2	Physical and Mechanical Properties of Paper Made from Beaten Empty Fruit Bunch Fiber Incorporated with Microcrystalline Cellulose. <i>Journal of Natural Fibers</i> , 2022, 19, 999-1011.	1.7	8
3	Facile fabrication and characterization of kenaf core as natural biochar for the highly efficient removal of selected endocrine-disrupting compounds. <i>Environmental Geochemistry and Health</i> , 2022, 44, 993-1013.	1.8	6
4	Processing of natural fibre and method improvement for removal of endocrine-disrupting compounds. <i>Chemosphere</i> , 2022, 291, 132726.	4.2	16
5	Influence of drying method on the crystal structure and thermal property of oil palm frond juice-based bacterial cellulose. <i>Journal of Materials Science</i> , 2022, 57, 1462-1473.	1.7	7
6	A Review on Antimicrobial Packaging from Biodegradable Polymer Composites. <i>Polymers</i> , 2022, 14, 174.	2.0	44
7	Efficient sequestration of boron from liquid phase by amidoxime-functionalized poly(acrylonitrile-co-acrylic acid): experimental and modelling analyses. <i>Water Science and Technology</i> , 2022, 85, 3055-3071.	1.2	3
8	Synthesis, Characterisation, and Electrochemical Impedance Spectroscopy Study of Green and Sustainable Polyurethane Acrylate from Jatropha Oil Using a Three Step Process. <i>Pertanika Journal of Science and Technology</i> , 2022, 30, 2127-2138.	0.3	0
9	Simultaneous adsorption of heavy metal ions (Cu ²⁺ and Fe ²⁺) from binary solutions by microcrystalline cellulose (MCC): Initial concentration effect, pH and kinetics studies. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
10	Central composite design of heavy metal removal using polymer adsorbent. <i>Journal of Applied Water Engineering and Research</i> , 2021, 9, 133-146.	1.0	4
11	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.	1.7	19
12	Optimisation of Epoxide Ring-Opening Reaction for the Synthesis of Bio-Polyol from Palm Oil Derivative Using Response Surface Methodology. <i>Molecules</i> , 2021, 26, 648.	1.7	25
13	Jatropha Oil as a Substituent for Palm Oil in Biobased Polyurethane. <i>International Journal of Polymer Science</i> , 2021, 2021, 1-12.	1.2	12
14	Insight on the properties of thermoplastic elastomer-based natural rubber and recycled rubber post-treated with electron beam irradiation. <i>Materials Research Express</i> , 2021, 8, 025302.	0.8	4
15	Chemical and Thermo-Mechanical Properties of Waterborne Polyurethane Dispersion Derived from Jatropha Oil. <i>Polymers</i> , 2021, 13, 795.	2.0	20
16	Effect of Cellulose Nanofibrils on the Properties of Jatropha Oil-Based Waterborne Polyurethane Nanocomposite Film. <i>Polymers</i> , 2021, 13, 1460.	2.0	11
17	Potential for Natural Fiber Reinforcement in PLA Polymer Filaments for Fused Deposition Modeling (FDM) Additive Manufacturing: A Review. <i>Polymers</i> , 2021, 13, 1407.	2.0	63
18	Drying Kinetics and Optimization of Quercetin Extraction from <i>Melastoma malabathricum</i> Leaves. <i>Chemical Engineering and Technology</i> , 2021, 44, 1214-1220.	0.9	5

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19	Rotational Piezoelectric Energy Harvesting: A Comprehensive Review on Excitation Elements, Designs, and Performances. <i>Energies</i> , 2021, 14, 3098.	1.6	10
20	Evaluation on Structural Properties and Performances of Graphene Oxide Incorporated into Chitosan/Poly-Lactic Acid Composites: CS/PLA versus CS/PLA-GO. <i>Polymers</i> , 2021, 13, 1839.	2.0	13
21	Recent advances in the application of cellulose derivatives for removal of contaminants from aquatic environments. <i>Cellulose</i> , 2021, 28, 7521-7557.	2.4	33
22	Structural and Rheological Properties of Nonedible Vegetable Oil-Based Resin. <i>Polymers</i> , 2021, 13, 2490.	2.0	4
23	Enhancing recovery of bioactive compounds from <i>Cosmos caudatus</i> leaves via ultrasonic extraction. <i>Scientific Reports</i> , 2021, 11, 17297.	1.6	9
24	Trimethylamine functionalized radiation-induced grafted polyamide 6 fibers for p-nitrophenol adsorption. <i>Scientific Reports</i> , 2021, 11, 19573.	1.6	9
25	Physico-Mechanical and Biological Durability of Citric Acid-Bonded Rubberwood Particleboard. <i>Polymers</i> , 2021, 13, 98.	2.0	14
26	Virulence of <i>Rigidoporus microporus</i> Isolates Causing White Root Rot Disease on Rubber Trees (<i>Hevea</i>) Tj ETQq0 0 0 rgBT /Overlock 10	1.6	12
27	Membrane-Based Electrolysis for Hydrogen Production: A Review. <i>Membranes</i> , 2021, 11, 810.	1.4	51
28	Ternary Nanocomposite System Composing of Graphene Nanoplatelet, Cellulose Nanofiber and <i>Jatropha</i> Oil Based Waterborne Polyurethane: Characterizations, Mechanical, Thermal Properties and Conductivity. <i>Polymers</i> , 2021, 13, 3740.	2.0	2
29	Overview of Air Pollution in Typical Basin of China Under the Target of Carbon Neutrality. <i>International Journal of Environmental Research</i> , 2021, 15, 1109-1138.	1.1	9
30	Effect on 1-Butyl-3 Methylimidazolium Iodide Ionic Liquid in Nonedible <i>Jatropha</i> Oil-Based Polyurethane Acrylate. Tetrabutylammonium Iodide: Lithium Iodide-Based Gel Polymer Electrolyte for Dye-Sensitized Solar Cell Application. <i>ACS Applied Energy Materials</i> , 2021, 4, 13684-13695.	2.5	5
31	Electrocatalytic activity of starch/Fe ₃ O ₄ /zeolite bionanocomposite for oxygen reduction reaction. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1297-1308.	2.3	13
32	Overview on petroleum emulsions, formation, influence and demulsification treatment techniques. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3403-3428.	2.3	153
33	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.	2.1	68
34	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.	3.8	14
35	Hypercrosslinked poly(AN-co-EGDMA-co-VBC): synthesis via suspension polymerization, characterizations, and potential to adsorb diclofenac and metformin from aqueous solution. <i>Colloid and Polymer Science</i> , 2020, 298, 1649-1667.	1.0	7
36	Comparative Study of Aromatic and Cycloaliphatic Isocyanate Effects on Physico-Chemical Properties of Bio-Based Polyurethane Acrylate Coatings. <i>Polymers</i> , 2020, 12, 1494.	2.0	21

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37	Thermal and Structural Analysis of Epoxidized Jatropha Oil and Alkaline Treated Kenaf Fiber Reinforced Poly(Lactic Acid) Biocomposites. <i>Polymers</i> , 2020, 12, 2604.	2.0	23
38	Filtration analysis and fouling mechanisms of PVDF membrane for POME treatment. <i>Journal of Water Reuse and Desalination</i> , 2020, 10, 187-199.	1.2	9
39	A short review of iodide salt usage and properties in dye sensitized solar cell application: Single vs binary salt system. <i>Solar Energy</i> , 2020, 206, 1033-1038.	2.9	13
40	Optimization Using Response Surface Methodology (RSM) for Biodiesel Synthesis Catalyzed by Radiation-Induced Kenaf Catalyst in Packed-Bed Reactor. <i>Processes</i> , 2020, 8, 1289.	1.3	9
41	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.	2.9	24
42	l-Ascorbic Acid and Thymoquinone Dual-Loaded Palmitoyl-Chitosan Nanoparticles: Improved Preparation Method, Encapsulation and Release Efficiency. <i>Processes</i> , 2020, 8, 1040.	1.3	7
43	Screening of native microalgae species for carbon fixation at the vicinity of Malaysian coal-fired power plant. <i>Scientific Reports</i> , 2020, 10, 22355.	1.6	24
44	Assessment of corrosion protection and performance of bio-based polyurethane acrylate incorporated with nano zinc oxide coating. <i>Polymer Testing</i> , 2020, 87, 106526.	2.3	24
45	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.	1.7	16
46	Morphological, Physiochemical and Thermal Properties of Microcrystalline Cellulose (MCC) Extracted from Bamboo Fiber. <i>Molecules</i> , 2020, 25, 2824.	1.7	57
47	Performance Analysis of Jatropha Oil-Based Polyurethane Acrylate Gel Polymer Electrolyte for Dye-Sensitized Solar Cells. <i>ACS Omega</i> , 2020, 5, 14267-14274.	1.6	13
48	Ultrasonic-Assisted Extraction (UAE) Process on Thymol Concentration from <i>Plectranthus Amboinicus</i> Leaves: Kinetic Modeling and Optimization. <i>Processes</i> , 2020, 8, 322.	1.3	32
49	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.	1.9	33
50	Potential of Oil Palm Empty Fruit Bunch Resources in Nanocellulose Hydrogel Production for Versatile Applications: A Review. <i>Materials</i> , 2020, 13, 1245.	1.3	49
51	Preparation, Characterization, Morphological and Particle Properties of Crystallized Palm-Based Methyl Ester Sulphonates (MES) Powder. <i>Molecules</i> , 2020, 25, 2629.	1.7	8
52	Preparation of Ethylene Glycol Dimethacrylate (EGDMA)-Based Terpolymer as Potential Sorbents for Pharmaceuticals Adsorption. <i>Polymers</i> , 2020, 12, 423.	2.0	25
53	Bio-Based Polymer Electrolytes for Electrochemical Devices: Insight into the Ionic Conductivity Performance. <i>Materials</i> , 2020, 13, 838.	1.3	78
54	Circuit Level Modeling of Electrically Doped Adenine-Thymine Nanotube Based Field Effect Transistor. <i>IEEE Access</i> , 2020, 8, 6168-6176.	2.6	8

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55	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.	2.6	52
56	Optimization the Process of Chemically Modified Carbon Nanofiber Coated Monolith via Response Surface Methodology for CO ₂ Capture. <i>Materials</i> , 2020, 13, 1775.	1.3	6
57	Effect of DMPA Content on Colloidal Stability of Jatropha Oil-based waterborne Polyurethane Dispersion. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 778, 012107.	0.3	5
58	The synthesis and characterisation of porous and monodisperse, chemically modified hypercrosslinked poly(acrylonitrile)-based terpolymer as a sorbent for the adsorption of acidic pharmaceuticals. <i>E-Polymers</i> , 2020, 20, 328-345.	1.3	3
59	Application of feed-forward and recurrent neural network in modelling the adsorption of boron by amidoxime-modified poly(Acrylonitrile-co-Acrylic Acid). <i>Environmental Engineering Research</i> , 2020, 25, 830-840.	1.5	7
60	Laminated veneer lumber from spindleless rotary-peeled veneers produced from short rotation, small Hevea plantation logs: Effects of lamination pressure. <i>BioResources</i> , 2020, 15, 6735-6751.	0.5	1
61	Study the effect of various wash-coated metal oxides over synthesized carbon nanofibers coated monolith substrates. <i>PLoS ONE</i> , 2019, 14, e0219936.	1.1	4
62	Separation Emulsion via Non-Ionic Surfactant: An Optimization. <i>Processes</i> , 2019, 7, 382.	1.3	26
63	Characterization and Cellular Internalization of Spherical Cellulose Nanocrystals (CNC) into Normal and Cancerous Fibroblasts. <i>Materials</i> , 2019, 12, 3251.	1.3	30
64	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.	2.3	79
65	Utilization of Malaysia EAF slags for effective application in direct aqueous sequestration of carbon dioxide under ambient temperature. <i>Heliyon</i> , 2019, 5, e02602.	1.4	29
66	Phosphoric Acid Doped Polybenzimidazole and Sulfonated Polyether Ether Ketone Composite Membrane for Hydrogen Production in High-Temperature Copper Chloride Electrolysis. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012057.	0.2	0
67	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.	1.3	34
68	Role of polymers as crystal growth inhibitors in coprecipitation via solution-enhanced dispersion by supercritical fluids (SEDS) to improve andrographolide dissolution from standardized <i>Andrographis paniculata</i> extract. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 50, 145-154.	1.4	13
69	Experimental and CFD Modelling: Impact of the Inlet Slug Flow on the Horizontal Gas-Liquid Separator. <i>Energies</i> , 2019, 12, 41.	1.6	5
70	Performance of Ionic Transport Properties in Vegetable Oil-Based Polyurethane Acrylate Gel Polymer Electrolyte. <i>ACS Omega</i> , 2019, 4, 2554-2564.	1.6	21
71	Palm oil-based biodiesel synthesis by radiation-induced kenaf catalyst packed in a continuous flow system. <i>Industrial Crops and Products</i> , 2019, 136, 102-109.	2.5	12
72	Hydrophilic thiourea-modified poly(acrylonitrile-co-acrylic acid) adsorbent: preparation, characterization, and dye removal performance. <i>Iranian Polymer Journal (English Edition)</i> , 2019, 28, 483-491.	1.3	7

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73	Adsorptive Removal of Methylene Blue from Aquatic Environments Using Thiourea-Modified Poly(Acrylonitrile-co-Acrylic Acid). <i>Materials</i> , 2019, 12, 1734.	1.3	42
74	FTIR, CHNS and XRD analyses define mechanism of glyphosate herbicide removal by electrocoagulation. <i>Chemosphere</i> , 2019, 233, 559-569.	4.2	33
75	Column Efficiency of Fluoride Removal Using Quaternized Palm Kernel Shell (QPKS). <i>International Journal of Chemical Engineering</i> , 2019, 2019, 1-13.	1.4	14
76	Lignocellulose Structure and the Effect on Nanocellulose Production. , 2019, , 17-30.		10
77	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.	0.9	39
78	Fuel atomization in gas turbines: A review of novel technology. <i>International Journal of Energy Research</i> , 2019, 43, 3166-3181.	2.2	26
79	Stability enhancement of MWCNT/water nanofluids using PVA surfactant. <i>International Journal of Nanotechnology</i> , 2019, 16, 631.	0.1	1
80	GIS Based Analysis of Plastic Waste Leakage in Parts of Selangor State of Malaysia. , 2019, , .		0
81	Biomass valorization for better aviation environmental impact through biocomposites and aviation biofuel. , 2019, , 19-31.		3
82	Cationic Surfactants for Demulsification of Produced Water from Alkaline“Surfactant”Polymer Flooding. <i>Energy & Fuels</i> , 2019, 33, 115-126.	2.5	25
83	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.	5.9	145
84	Thermomechanical and dynamic mechanical properties of bamboo/woven kenaf mat reinforced epoxy hybrid composites. <i>Composites Part B: Engineering</i> , 2019, 163, 165-174.	5.9	181
85	Evaluation of the hybridization effect on the thermal and thermo-oxidative stability of bamboo/kenaf/epoxy hybrid composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 55-63.	2.0	29
86	Characteristics of ionically conducting jatropha oil-based polyurethane acrylate gel electrolyte doped with potassium iodide. <i>Materials Chemistry and Physics</i> , 2019, 222, 110-117.	2.0	27
87	Thermal and Dynamics Mechanical Analysis of Polypropylene Blown Films with Crude Palm Oil as Plasticizer. <i>Indonesian Journal of Chemistry</i> , 2019, 19, 545.	0.3	10
88	Removal of Methylene Blue from Aqueous Solution by Using Electrical Arc Furnace (EAF) Slag. <i>Indonesian Journal of Chemistry</i> , 2019, 20, 113.	0.3	6
89	Adsorption of malachite green in a fixed-bed columns by Thiourea modified poly(acrylonitrile-co-acrylic acid). <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2019, 25, 383-393.	0.4	1
90	STABILITY AND TOXICITY PROFILE OF SOLUTION ENHANCED DISPERSION BY SUPERCRITICAL FLUIDS (SEDS) FORMULATED <i>Andrographis paniculata</i> EXTRACT. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 969-978.	0.7	1

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91	Effect of Temperature and Current Density on Polybenzimidazole Zirconium Phosphate Hybrid Membrane in Copper Chloride Electrolysis for Hydrogen Production. <i>International Journal of Integrated Engineering</i> , 2019, 11, .	0.2	1
92	The Synthesis and Characterizations of Porous Thioamide-Sulfonated-Modified Poly(acrylonitrile- <i>co</i> -divinylbenzene-80) as a Potential Sorbent to Capture Polar Analytes. <i>Science of Advanced Materials</i> , 2019, 11, 1207-1222.	0.1	0
93	Heavy metal recovery from electric arc furnace steel slag by using hydrochloric acid leaching. <i>E3S Web of Conferences</i> , 2018, 34, 02007.	0.2	3
94	A study of mechanical and morphological properties of PLA based biocomposites prepared with EJO vegetable oil based plasticiser and kenaf fibres. <i>Materials Research Express</i> , 2018, 5, 085314.	0.8	26
95	A review on plasma combustion of fuel in internal combustion engines. <i>International Journal of Energy Research</i> , 2018, 42, 1813-1833.	2.2	18
96	Mechanical and physical performance of cowdung-based polypropylene biocomposites. <i>Polymer Composites</i> , 2018, 39, 288-296.	2.3	16
97	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.	2.4	22
98	<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.	1.7	14
99	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.	1.7	18
100	Recent trends in biodiesel production from commonly used animal fats. <i>International Journal of Energy Research</i> , 2018, 42, 885-902.	2.2	40
101	Synthesis of poly(acrylonitrile- <i>co</i> -divinylbenzene- <i>co</i> -vinylbenzyl chloride)-derived hypercrosslinked polymer microspheres and a preliminary evaluation of their potential for the solid-phase capture of pharmaceuticals. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45677.	1.3	13
102	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.	1.5	50
103	Synthesis and Optimization of Chitosan Nanoparticles Loaded with L-Ascorbic Acid and Thymoquinone. <i>Nanomaterials</i> , 2018, 8, 920.	1.9	63
104	Functionalization of polyacrylonitrile-grafted cellulose with amidoxime and its antimicrobial property. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
105	A study of mechanical and morphological properties of PLA based biocomposites prepared with EJO vegetable oil based plasticiser and kenaf fibres. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 368, 012011.	0.3	9
106	Colloidal stability and rheology of jatropha oil-based waterborne polyurethane (JPU) dispersion. <i>Progress in Organic Coatings</i> , 2018, 125, 348-357.	1.9	26
107	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.	2.7	15
108	Characterization of Amide and Ester Functionalized Multiwalled Carbon Nanotubes. <i>Asian Journal of Chemistry</i> , 2018, 30, 1613-1616.	0.1	7

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109	Impact of Storage Conditions on the Stability of Predominant Phenolic Constituents and Antioxidant Activity of Dried Piper beetle Extracts. <i>Molecules</i> , 2018, 23, 484.	1.7	82
110	Optimization of Mechanical Properties for Polyoxymethylene/Glass Fiber/Polytetrafluoroethylene Composites Using Response Surface Methodology. <i>Polymers</i> , 2018, 10, 338.	2.0	22
111	Effect of Cd and Pb Pollutions on Physiological Growth: Wavelet Neural Network (WNN) as a New Approach on Age Determination of <i>Coenobita scaevola</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 101, 320-325.	1.3	5
112	Comparative Study of the Electrochemical, Biomedical, and Thermal Properties of Natural and Synthetic Nanomaterials. <i>Nanoscale Research Letters</i> , 2018, 13, 112.	3.1	17
113	Kinetic study of lipase-catalyzed glycerolysis of palm olein using Lipozyme TLIM in solvent-free system. <i>PLoS ONE</i> , 2018, 13, e0192375.	1.1	15
114	Physico-mechanical properties of poly(lactic acid) biocomposites reinforced with cow dung. <i>Materials Research Express</i> , 2017, 4, 025302.	0.8	4
115	A facile and green synthetic approach toward fabrication of starch-stabilized magnetite nanoparticles. <i>Chinese Chemical Letters</i> , 2017, 28, 1590-1596.	4.8	30
116	Effect of ambient conditions on drying of herbs in solar greenhouse dryer with integrated heat pump. <i>Drying Technology</i> , 2017, 35, 1721-1732.	1.7	42
117	Drying characteristics of <i>Orthosiphon stamineus</i> Benth by solar-assisted heat pump drying. <i>Drying Technology</i> , 2017, 35, 1755-1764.	1.7	36
118	Synthesis and comparative study of thermal, electrochemical, and cytotoxicity properties of graphene flake and sheet. <i>Research on Chemical Intermediates</i> , 2017, 43, 4981-4991.	1.3	6
119	Kinetic study of copper (II) removal from aqueous solution onto unmodified kenaf fibre. <i>Acta Horticulturae</i> , 2017, , 257-264.	0.1	0
120	Equilibrium and kinetic behavior on cadmium and lead removal by using synthetic polymer. <i>Journal of Water Process Engineering</i> , 2017, 17, 277-289.	2.6	14
121	Potential of Copper Electrodes in Electrocoagulation Process for Glyphosate Herbicide Removal. <i>MATEC Web of Conferences</i> , 2017, 103, 06019.	0.1	9
122	Effect of TEMPO-oxidization and rapid cooling on thermo-structural properties of nanocellulose. <i>Carbohydrate Polymers</i> , 2017, 173, 91-99.	5.1	35
123	Understanding intrinsic plasticizer in vegetable oil-based polyurethane elastomer as enhanced biomaterial. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 919-933.	2.0	13
124	Study on retention of metabolites composition in misai kucing (<i>orthosiphon stamineus</i>) by heat pump assisted solar drying. <i>Journal of Food Processing and Preservation</i> , 2017, 41, e13262.	0.9	5
125	Sonosynthesis of Microcellulose from Kenaf Fiber: Optimization of Process Parameters. <i>Journal of Natural Fibers</i> , 2017, 14, 437-449.	1.7	9
126	Effect of dilution and operating parameters on ammonia removal from scheduled waste landfill leachate in a lab-scale ammonia stripping reactor. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 206, 012076.	0.3	6

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127	Physico-chemical characterisation of epoxy acrylate resin from jatropha seed oil. <i>Pigment and Resin Technology</i> , 2017, 46, 485-495.	0.5	13
128	Comparative study of cellulose nanofiber and carbon nanofiber effects as reinforcement fillers on mechanical properties of polypropylene composites. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	4
129	Applications of thermoplastic-based blends. , 2017, , 111-129.		5
130	Improved crystallinity and dynamic mechanical properties of reclaimed waste tire rubber/EVA blends under the influence of electron beam irradiation. <i>Radiation Physics and Chemistry</i> , 2017, 130, 362-370.	1.4	27
131	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.	3.3	41
132	Phosphorus removal by electric arc furnace steel slag adsorption. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 257, 012063.	0.3	2
133	Natural and synthetic nanomaterials: comparative study on their mechanical and thermal properties as nanofiller in polymer composite. <i>Journal of Physics: Conference Series</i> , 2017, 914, 012014.	0.3	2
134	Physicochemical Properties of Jatropha Oil-Based Polyol Produced by a Two Steps Method. <i>Molecules</i> , 2017, 22, 551.	1.7	35
135	Biomedical and Microbiological Applications of Bio-Based Porous Materials: A Review. <i>Polymers</i> , 2017, 9, 160.	2.0	69
136	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.	1.4	14
137	Facile and green preparation of magnetite/zeolite nanocomposites for energy application in a single-step procedure. <i>Journal of Alloys and Compounds</i> , 2017, 719, 218-226.	2.8	29
138	Fixed-bed system for adsorption of anionic acid dyes from binary solution onto quaternized kenaf core fiber. <i>BioResources</i> , 2017, 12, 8870-8885.	0.5	7
139	Thermal Stability and Conductivity of Carbon Nanotube Nanofluid using Xanthan Gum as Surfactant. <i>Sains Malaysiana</i> , 2017, 46, 1017-1024.	0.3	7
140	Irradiation cross-linking of ethylene vinyl acetate/waste tire dust. <i>Journal of Thermoplastic Composite Materials</i> , 2016, 29, 464-478.	2.6	7
141	Core/Shell Structure of Ni/NiO Encapsulated in Carbon Nanosphere Coated with Few- and Multi-Layered Graphene: Synthesis, Mechanism and Application. <i>Polymers</i> , 2016, 8, 381.	2.0	9
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