

# Robiah Yunus

## List of Publications by Year in descending order

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210  
papers

6,772  
citations

66343

42  
h-index

82547

72  
g-index

214  
all docs

214  
docs citations

214  
times ranked

6565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of fiber length on thermomechanical properties of short carbon fiber reinforced polypropylene composites. <i>Materials &amp; Design</i> , 2009, 30, 260-263.	5.1	299
2	Characterization of empty fruit bunch for microwave-assisted pyrolysis. <i>Fuel</i> , 2011, 90, 1536-1544.	6.4	273
3	Calcium-based mixed oxide catalysts for methanolysis of <i>Jatropha curcas</i> oil to biodiesel. <i>Biomass and Bioenergy</i> , 2011, 35, 827-834.	5.7	236
4	Process optimization design for <i>jatropha</i> -based biodiesel production using response surface methodology. <i>Fuel Processing Technology</i> , 2011, 92, 2420-2428.	7.2	191
5	Extraction of Oil from <i>Jatropha</i> Seeds-Optimization and Kinetics. <i>American Journal of Applied Sciences</i> , 2009, 6, 1390-1395.	0.2	172
6	Wear prevention characteristics of a palm oil-based TMP (trimethylolpropane) ester as an engine lubricant. <i>Energy</i> , 2013, 54, 167-173.	8.8	167
7	Improving the AW/EP ability of chemically modified palm oil by adding CuO and MoS <sub>2</sub> nanoparticles. <i>Tribology International</i> , 2015, 88, 271-279.	5.9	145
8	A review of biolubricants in drilling fluids: Recent research, performance, and applications. <i>Journal of Petroleum Science and Engineering</i> , 2015, 135, 177-184.	4.2	134
9	An overview of the emerging warm mix asphalt technology. <i>International Journal of Pavement Engineering</i> , 2014, 15, 79-94.	4.4	131
10	Development of Short-Carbon-Fiber-Reinforced Polypropylene Composite for Car Bonnet. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 351-357.	1.9	129
11	Transesterification of non-edible <i>Jatropha curcas</i> oil to biodiesel using binary Ca-Mg mixed oxide catalyst: Effect of stoichiometric composition. <i>Chemical Engineering Journal</i> , 2011, 178, 342-347.	12.7	124
12	Effect of ultrasonic pre-treatment on low temperature acid hydrolysis of oil palm empty fruit bunch. <i>Bioresource Technology</i> , 2010, 101, 9792-9796.	9.6	118
13	Transesterification of <i>jatropha</i> oil with methanol over Mg-Zn mixed metal oxide catalysts. <i>Energy</i> , 2013, 49, 12-18.	8.8	113
14	Application of supercritical antisolvent method in drug encapsulation: a review. <i>International Journal of Nanomedicine</i> , 2011, 6, 1429.	6.7	110
15	Experimental Analysis of Tribological Properties of Biolubricant with Nanoparticle Additive. <i>Procedia Engineering</i> , 2013, 68, 152-157.	1.2	104
16	Lubrication properties of trimethylolpropane esters based on palm oil and palm kernel oils. <i>European Journal of Lipid Science and Technology</i> , 2004, 106, 52-60.	1.5	101
17	Synthesis of biodiesel from palm fatty acid distillate using sulfonated palm seed cake catalyst. <i>Renewable Energy</i> , 2017, 111, 611-619.	8.9	98
18	Biodiesel from <i>Citrus reticulata</i> (mandarin orange) seed oil, a potential non-food feedstock. <i>Industrial Crops and Products</i> , 2013, 45, 355-359.	5.2	97

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19	Lubricity of bio-based lubricant derived from different chemically modified fatty acid methyl ester. <i>Tribology International</i> , 2016, 93, 555-562.	5.9	94
20	Methyl ester production from palm fatty acid distillate using sulfonated glucose-derived acid catalyst. <i>Renewable Energy</i> , 2015, 81, 347-354.	8.9	91
21	Methods for coating solid-phase microextraction fibers with carbon nanotubes. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 59, 133-143.	11.4	90
22	Effect of physical pretreatment on dilute acid hydrolysis of water hyacinth ( <i>Eichhornia crassipes</i> ). <i>Bioresource Technology</i> , 2011, 102, 5193-5199.	9.6	80
23	Biodiesel production in the presence of sulfonated mesoporous ZnAl <sub>2</sub> O <sub>4</sub> catalyst via esterification of palm fatty acid distillate (PFAD). <i>Fuel</i> , 2016, 178, 253-262.	6.4	80
24	Electrodeposition of Polypyrrole and Reduced Graphene Oxide onto Carbon Bundle Fibre as Electrode for Supercapacitor. <i>Nanoscale Research Letters</i> , 2017, 12, 246.	5.7	79
25	Production of biodiesel from mixed waste vegetable oils using Ferric hydrogen sulphate as an effective reusable heterogeneous solid acid catalyst. <i>Applied Catalysis A: General</i> , 2013, 456, 182-187.	4.3	75
26	Performance and exhaust emission characteristics of direct-injection diesel engine fueled with enriched biodiesel. <i>Energy Conversion and Management</i> , 2015, 106, 365-372.	9.2	74
27	Review of biodegradable synthetic-based drilling fluid: Progression, performance and future prospect. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 171-186.	16.4	70
28	Conceptual design of a polymer composite automotive bumper energy absorber. <i>Materials &amp; Design</i> , 2008, 29, 1447-1452.	5.1	68
29	Corrosion behavior of Al6061 alloy weldment produced by friction stir welding process. <i>Journal of Materials Research and Technology</i> , 2015, 4, 314-322.	5.8	64
30	A simple capillary column GC method for analysis of palm oil-based polyol esters. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2002, 79, 1075-1080.	1.9	63
31	Comparative performance of different urea coating materials for slow release. <i>Particuology</i> , 2014, 17, 165-172.	3.6	63
32	Synthesis of palm oil-based trimethylolpropane ester as potential biolubricant: Chemical kinetics modeling. <i>Chemical Engineering Journal</i> , 2012, 200-202, 532-540.	12.7	61
33	Carbohydrate-derived Solid Acid Catalysts for Biodiesel Production from Low-Cost Feedstocks: A Review. <i>Catalysis Reviews - Science and Engineering</i> , 2014, 56, 187-219.	12.9	61
34	Tau method for the numerical solution of a fuzzy fractional kinetic model and its application to the oil palm frond as a promising source of xylose. <i>Journal of Computational Physics</i> , 2015, 294, 562-584.	3.8	60
35	Synthesis and characterization of calcium methoxide as heterogeneous catalyst for trimethylolpropane esters conversion reaction. <i>Applied Catalysis A: General</i> , 2012, 425-426, 184-190.	4.3	59
36	Application of response surface methodology (RSM) for optimizing the palm-based pentaerythritol ester synthesis. <i>Industrial Crops and Products</i> , 2014, 62, 305-312.	5.2	59

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37	Effects of CNTs content and milling time on mechanical behavior of MWCNT-reinforced aluminum nanocomposites. <i>Materials Chemistry and Physics</i> , 2015, 166, 160-166.	4.0	56
38	A preliminary study on <i>Jatropha curcas</i> as coagulant in wastewater treatment. <i>Environmental Technology</i> (United Kingdom), 2011, 32, 971-977.	2.2	55
39	Modified sulfonation method for converting carbonized glucose into solid acid catalyst for the esterification of palm fatty acid distillate. <i>Fuel</i> , 2018, 229, 68-78.	6.4	48
40	Dispersion Stability and Tribological Characteristics of TiO <sub>2</sub> /SiO <sub>2</sub> Nanocomposite-Enriched Biobased Lubricant. <i>Tribology Transactions</i> , 2017, 60, 670-680.	2.0	47
41	Kinetics of transesterification of palm-based methyl esters with trimethylolpropane. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2004, 81, 497-503.	1.9	46
42	Synthesis of Palm Oil Based Trimethylolpropane Esters with Improved Pour Points. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 8178-8183.	3.7	46
43	Cold flow and fuel properties of methyl oleate and palm-oil methyl ester blends. <i>Fuel</i> , 2015, 160, 238-244.	6.4	44
44	The Effect of Temperature on Tribological Properties of Chemically Modified Bio-Based Lubricant. <i>Tribology Transactions</i> , 2014, 57, 408-415.	2.0	43
45	Corrosion evaluation of friction stir welded lap joints of AA6061-T6 aluminum alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 684-696.	4.2	42
46	New coating formulation for the slow release of urea using a mixture of gypsum and dolomitic limestone. <i>Particuology</i> , 2015, 23, 62-67.	3.6	41
47	A review of processing and machinery for <i>Jatropha curcas</i> L. fruits and seeds in biodiesel production: Harvesting, shelling, pretreatment and storage. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 991-1002.	16.4	41
48	Activity of Calcium Methoxide Catalyst for Synthesis of High Oleic Palm Oil Based Trimethylolpropane Triesters as Lubricant Base Stock. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 5438-5442.	3.7	40
49	Effects of the surface modification of carbon fiber by growing different types of carbon nanomaterials on the mechanical and thermal properties of polypropylene. <i>RSC Advances</i> , 2015, 5, 28822-28831.	3.6	37
50	Temperature effect on tribological properties of polyol ester-based environmentally adapted lubricant. <i>Tribology International</i> , 2016, 93, 43-49.	5.9	37
51	Overview of Alternative Ethanol Removal Techniques for Enhancing Bioethanol Recovery from Fermentation Broth. <i>Processes</i> , 2019, 7, 458.	2.8	36
52	Investigation on the electrical properties of palm oil and coconut oil based TiO <sub>2</sub> nanofluids. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017, 24, 3432-3442.	2.9	35
53	The potentials of palm oil as a dielectric fluid. , 0, , .		34
54	Pretreatment methods for an effective conversion of oil palm biomass into sugars and high-value chemicals. <i>Biomass and Bioenergy</i> , 2021, 144, 105901.	5.7	34

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55	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
56	Assessing the kinetic model of hydro-distillation and chemical composition of <i>Aquilaria malaccensis</i> leaves essential oil. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 216-222.	3.5	32
57	Synthesis of Biodiesel through Catalytic Transesterification of Various Feedstocks using Fast Solvothermal Technology: A Critical Review. <i>Catalysis Reviews - Science and Engineering</i> , 2015, 57, 407-435.	12.9	31
58	Effect of supercritical fluid density on nanoencapsulated drug particle size using the supercritical antisolvent method. <i>International Journal of Nanomedicine</i> , 2012, 7, 2165.	6.7	30
59	Development of palm-based neopentyl glycol diester as dielectric fluid and its thermal aging performance. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016, 23, 2051-2058.	2.9	30
60	Screening of solid base catalysts on palm oil based biolubricant synthesis. <i>Journal of Cleaner Production</i> , 2017, 148, 441-451.	9.3	30
61	Methanolysis of <i>Jatropha</i> Oil in the Presence of Potassium Hydroxide Catalyst. <i>Journal of Applied Sciences</i> , 2009, 9, 3161-3165.	0.3	30
62	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
63	Application of Fuzzy Fractional Kinetic Equations to Modelling of the Acid Hydrolysis Reaction. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-19.	0.7	29
64	Corrosion behavior of friction stir welded lap joints of AA6061-T6 aluminum alloy. <i>Materials Research</i> , 2014, 17, 672-681.	1.3	29
65	Synthesis of high oleic palm oil-based trimethylolpropane esters in a vacuum operated pulsed loop reactor. <i>Fuel</i> , 2016, 166, 560-566.	6.4	29
66	Effect of molecular structure on oxidative degradation of ester based transformer oil. <i>Tribology International</i> , 2019, 140, 105852.	5.9	29
67	Microwave-assisted Biodiesel Production by Esterification of Palm Fatty Acid Distillate. <i>Journal of Oleo Science</i> , 2014, 63, 849-855.	1.4	27
68	Pre-breakdown streamer propagation and breakdown characteristics of refined bleached and deodorized palm oil under lightning impulse voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018, 25, 1614-1620.	2.9	27
69	Digital Image Processing of Palm Oil Fruits. <i>International Journal of Food Engineering</i> , 2006, 2, .	1.5	25
70	Synthesis of Ferric-Manganese Doped Tungstated Zirconia Nanoparticles as Heterogeneous Solid Superacid Catalyst for Biodiesel Production From Waste Cooking Oil. <i>International Journal of Green Energy</i> , 2015, 12, 987-994.	3.8	25
71	Performance stability of solid-state polypyrrole-reduced graphene oxide-modified carbon bundle fiber for supercapacitor application. <i>Electrochimica Acta</i> , 2018, 285, 9-15.	5.2	25
72	Coating and Encapsulation of Nanoparticles using Supercritical Antisolvent. <i>American Journal of Applied Sciences</i> , 2009, 6, 1352-1358.	0.2	25

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73	Palm Oil Derived Trimethylolpropane Triesters Synthetic Lubricants and Usage in Industrial Metalworking Fluid. <i>Journal of Oleo Science</i> , 2015, 64, 143-151.	1.4	24
74	Nanomechanical Behavior of Multi-Walled Carbon Nanotubes Particulate Reinforced Aluminum Nanocomposites Prepared by Ball Milling. <i>Materials</i> , 2016, 9, 140.	2.9	24
75	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
76	Comparative study of the methanolysis and ethanolysis of Maize oil using alkaline catalysts. <i>Grasas Y Aceites</i> , 2012, 63, 35-43.	0.9	23
77	Effect of growing graphene flakes on branched carbon nanofibers based on carbon fiber on mechanical and thermal properties of polypropylene. <i>RSC Advances</i> , 2015, 5, 9925-9932.	3.6	23
78	Effects of Thickness and Amount of Carbon Nanofiber Coated Carbon Fiber on Improving the Mechanical Properties of Nanocomposites. <i>Nanomaterials</i> , 2016, 6, 6.	4.1	23
79	Kapok oil methyl esters. <i>Biomass and Bioenergy</i> , 2014, 66, 419-425.	5.7	22
80	Removal of Zinc from Aqueous Solution by Optimized Oil Palm Empty Fruit Bunches Biochar as Low Cost Adsorbent. <i>Bioinorganic Chemistry and Applications</i> , 2017, 2017, 1-9.	4.1	22
81	Effects of additives on oxidation characteristics of palm oil based trimethylolpropane ester in hydraulics applications. <i>European Journal of Lipid Science and Technology</i> , 2009, 111, 368-375.	1.5	21
82	Synthesis of <i>Jatropha curcas</i> oil-based biodiesel in a pulsed loop reactor. <i>Industrial Crops and Products</i> , 2012, 37, 514-519.	5.2	21
83	Green Biofuel Production via Catalytic Pyrolysis of Waste Cooking Oil using Malaysian Dolomite Catalyst. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2018, 13, 489-501.	1.1	21
84	Nonionic polyol esters as thinner and lubricity enhancer for synthetic-based drilling fluids. <i>Journal of Molecular Liquids</i> , 2018, 266, 846-855.	4.9	20
85	Effect of Ni/Malaysian dolomite catalyst synthesis technique on deoxygenation reaction activity of waste cooking oil. <i>Renewable Energy</i> , 2021, 178, 128-143.	8.9	20
86	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
87	Optimizing supercritical antisolvent process parameters to minimize the particle size of paracetamol nanoencapsulated in L-polylactide. <i>International Journal of Nanomedicine</i> , 2011, 6, 1101.	6.7	19
88	The Effect of Storage Time of Chopped Oil Palm Fruit Bunches on the Palm Oil Quality. <i>Agriculture and Agricultural Science Procedia</i> , 2014, 2, 165-172.	0.6	19
89	A study on the dielectric properties of Palm Oil and Coconut Oil. , 2014, , .		19
90	Transesterification for Biodiesel Production Using <i>Thespesia Populnea</i> Seed Oil: An Optimization Study. <i>International Journal of Green Energy</i> , 2015, 12, 479-484.	3.8	19

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91	Few- and multi-layer graphene on carbon fibers: synthesis and application. RSC Advances, 2015, 5, 81266-81274.	3.6	19
92	Synthesis of Different Layers of Graphene on Stainless Steel Using the CVD Method. Nanoscale Research Letters, 2016, 11, 506.	5.7	19
93	The effect of polarity on the lightning breakdown voltages of palm oil and coconut oil under a non-uniform field for transformers application. Industrial Crops and Products, 2016, 89, 250-256.	5.2	19
94	Modelling of Molasses Fermentation for Bioethanol Production: A Comparative Investigation of Monod and Andrews Models Accuracy Assessment. Biomolecules, 2019, 9, 308.	4.0	19
95	Enhanced biodiesel synthesis from palm fatty acid distillate and modified sulfonated glucose catalyst via an oscillation flow reactor system. Journal of Environmental Chemical Engineering, 2019, 7, 102993.	6.7	19
96	Release Mechanisms and Kinetic Models of Gypsum-Sulfur-Zeolite-Coated Urea Sealed with Microcrystalline Wax for Regulated Dissolution. ACS Omega, 2021, 6, 11144-11154.	3.5	19
97	Post-functionalization of polymeric mesoporous C@Zn core-shell spheres used for methyl ester production. Renewable Energy, 2016, 99, 1235-1243.	8.9	18
98	Impact of Fe <sub>3</sub> O <sub>4</sub> , CuO and Al <sub>2</sub> O <sub>3</sub> on the AC Breakdown Voltage of Palm Oil and Coconut Oil in the Presence of CTAB. Energies, 2019, 12, 1605.	3.1	18
99	Microstructural evaluation of ball-milled nano Al <sub>2</sub> O <sub>3</sub> particulate-reinforced aluminum matrix composite powders. International Journal of Materials Research, 2021, 106, 636-640.	0.3	17
100	A New Model of Alcoholic Fermentation under a Byproduct Inhibitory Effect. ACS Omega, 2021, 6, 4137-4146.	3.5	17
101	Evaluation on the Lightning Breakdown Voltages of Palm Oil and Coconut Oil under Non-Uniform Field at Small Gap Distances. Journal of Electrical Engineering and Technology, 2016, 11, 184-191.	2.0	17
102	Transesterification Reaction for Synthesis of Palm-based Ethylhexyl Ester and Formulation as Base Oil for Synthetic Drilling Fluid. Journal of Oleo Science, 2014, 63, 497-506.	1.4	16
103	Ageing Study of Palm Oil and Coconut Oil in the Presence of Insulation Paper for Transformers Application. Materials, 2018, 11, 532.	2.9	16
104	Effects of Molecular Structure on the Physical, Chemical, and Electrical Properties of Ester-Based Transformer Insulating Liquids. JAOCS, Journal of the American Oil Chemists' Society, 2019, 96, 607-616.	1.9	16
105	Synthesis of Carbon Nanomaterials Using Catalytic Chemical Vapor Deposition Technique. , 2019, , 1-27.		16
106	Comparative study of transition metal-doped calcined Malaysian dolomite catalysts for WCO deoxygenation reaction. Arabian Journal of Chemistry, 2020, 13, 8146-8159.	4.9	16
107	Towards Higher Oil Yield and Quality of Essential Oil Extracted from Aquilaria malaccensis Wood via the Subcritical Technique. Molecules, 2020, 25, 3872.	3.8	16
108	Investigation on the Dielectric, Physical and Chemical Properties of Palm Oil and Coconut Oil under Open Thermal Ageing Condition. Journal of Electrical Engineering and Technology, 2016, 11, 690-698.	2.0	16

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109	Effect of thermal softening on the textural properties of palm oil fritlets. <i>Journal of Food Engineering</i> , 2006, 76, 626-631.	5.2	15
110	Bulk Production of High-Purity Carbon Nanosphere by Combination of Chemical Vapor Deposition Methods. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 669-675.	2.1	15
111	Coagulative Behaviour of <i>Jatropha curcas</i> and its Performance in Wastewater Treatment. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1709-1718.	2.3	15
112	Adsorption of non-ionic surfactants on organoclays in drilling fluid investigated by molecular descriptors and Monte Carlo random walk simulations. <i>Applied Surface Science</i> , 2021, 538, 148154.	6.1	15
113	Prospects and Challenges of Microwave-Combined Technology for Biodiesel and Biolubricant Production through a Transesterification: A Review. <i>Molecules</i> , 2021, 26, 788.	3.8	15
114	Appraisal of Sulphonation Processes to Synthesize Palm Waste Biochar Catalysts for the Esterification of Palm Fatty Acid Distillate. <i>Catalysts</i> , 2019, 9, 184.	3.5	14
115	Effects of palm-based trimethylolpropane ester/mineral oil blending on dielectric properties and oxidative stability of transformer insulating liquid. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019, 26, 1771-1778.	2.9	14
116	An acceleration of microwave-assisted transesterification of palm oil-based methyl ester into trimethylolpropane ester. <i>Scientific Reports</i> , 2020, 10, 19652.	3.3	14
117	In-situ operando and ex-situ study on light hydrocarbon-like-diesel and catalyst deactivation kinetic and mechanism study during deoxygenation of sludge oil. <i>Chemical Engineering Journal</i> , 2022, 429, 132206.	12.7	14
118	Solid Liquid Extraction of <i>Jatropha</i> Seeds by Microwave Pretreatment and Ultrasound Assisted Methods. <i>Journal of Applied Sciences</i> , 2011, 11, 2444-2447.	0.3	14
119	Mechanical Properties of Carbon Fiber-Reinforced Polypropylene Composites. <i>Key Engineering Materials</i> , 0, 471-472, 652-657.	0.4	13
120	Tensile and Impact Properties of Sugarcane Bagasse/Poly(vinyl Chloride) Composites. <i>Key Engineering Materials</i> , 0, 471-472, 167-172.	0.4	13
121	The kinetics of epoxidation of trimethylolpropane ester. <i>European Journal of Lipid Science and Technology</i> , 2012, 114, 816-822.	1.5	13
122	Subcritical water extraction of essential oil from <i>Aquilaria malaccensis</i> leaves. <i>Separation Science and Technology</i> , 2020, 55, 2779-2798.	2.5	13
123	Combustion and Emission Performance of CO/NO <sub>x</sub> /SO <sub>x</sub> for Green Diesel Blends in a Swirl Burner. <i>ACS Omega</i> , 2021, 6, 408-415.	3.5	13
124	Immobilized lipase-catalyzed transesterification for synthesis of biolubricant from palm oil methyl ester and trimethylolpropane. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 2429-2444.	3.4	13
125	Development and testing of a <i>Jatropha</i> fruit shelling process for shell-free kernel recovery in biodiesel production. <i>Biosystems Engineering</i> , 2014, 121, 46-55.	4.3	12
126	The effect of palm oil trimethylolpropane ester on extreme pressure lubrication. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2014, 228, 160-169.	1.8	12



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127	Study on the Spectrophotometric Detection of Free Fatty Acids in Palm Oil Utilizing Enzymatic Reactions. <i>Molecules</i> , 2015, 20, 12328-12340.	3.8	12
128	Biodiesel production from <i>Cannabis sativa</i> oil from Pakistan. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 865-875.	2.3	12
129	Single step encapsulation process of tamoxifen in biodegradable polymer using supercritical anti-solvent (SAS) process. <i>Powder Technology</i> , 2017, 309, 89-94.	4.2	12
130	Computational Fluid Dynamics Simulation of Gas-Solid Hydrodynamics in a Bubbling Fluidized-Bed Reactor: Effects of Air Distributor, Viscous and Drag Models. <i>Processes</i> , 2019, 7, 524.	2.8	12
131	Rheological investigation of synthetic-based drilling fluid containing non-ionic surfactant pentaerythritol ester using full factorial design. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126700.	4.7	12
132	Multiple-objective optimization in green fuel production via catalytic deoxygenation reaction with NiO-dolomite catalyst. <i>Fuel</i> , 2022, 308, 122041.	6.4	12
133	Synthesis and Optimization of 2-ethylhexyl Ester as Base Oil for Drilling Fluid Formulation. <i>Chemical Engineering Communications</i> , 2016, 203, 463-470.	2.6	11
134	Laboratory Evaluation on Ammonia Volatilization from Coated Urea Fertilizers. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 717-724.	1.4	11
135	Experimental Evaluation of Napier Grass Gasification in an Autothermal Bubbling Fluidized Bed Reactor. <i>Energies</i> , 2019, 12, 1517.	3.1	11
136	Kinetics and thermodynamics of synthesis of palm oil-based trimethylolpropane triester using microwave irradiation. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 552-566.	5.2	11
137	Synthesis and Characterization of Polyurethanes from Residual Palm Oil with High Poly-Unsaturated Fatty Acid Oils as Additive. <i>Polymers</i> , 2021, 13, 4214.	4.5	11
138	Momordica Charantia Seed Oil Methyl Esters: A Kinetic Study And Fuel Properties. <i>International Journal of Green Energy</i> , 2014, 11, 727-740.	3.8	10
139	Low-Temperature Dilute Acid Hydrolysis of Oil Palm Frond. <i>Chemical Engineering Communications</i> , 2015, 202, 1235-1244.	2.6	10
140	Prospects of Plant-Based Trimethylolpropane Esters in the Biolubricant Formulation for Various Applications: A Review. <i>Frontiers in Mechanical Engineering</i> , 2022, 8, .	1.8	10
141	The Effects of Thermal History on Tensile Properties of Poly(vinyl chloride) and its Composite with Sugarcane Bagasse. <i>Journal of Thermoplastic Composite Materials</i> , 2011, 24, 567-579.	4.2	9
142	Simple guidelines for a self-built laboratory-scale supercritical anti-solvent system. <i>Journal of Supercritical Fluids</i> , 2011, 60, 69-74.	3.2	9
143	Effect of storage of shelled <i>Moringa oleifera</i> seeds from reaping time on turbidity removal. <i>Journal of Water and Health</i> , 2011, 9, 597-602.	2.6	9
144	Optimisation of solid liquid extraction of jatropha oil using petroleum ether. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013, 8, 331-338.	1.5	9

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145	Degradation of enriched biodiesel under different storage conditions. <i>Biofuels</i> , 2017, 8, 181-186.	2.4	9
146	Tribological characteristics comparison of formulated palm trimethylolpropane ester and polyalphaolefin for cam/tappet interface of direct acting valve train system. <i>Industrial Lubrication and Tribology</i> , 2018, 70, 888-901.	1.3	9
147	Experimental Study on the Partial Discharge Characteristics of Palm Oil and Coconut Oil Based Al <sub>2</sub> O <sub>3</sub> Nanofluids in the Presence of Sodium Dodecyl Sulfate. <i>Nanomaterials</i> , 2021, 11, 786.	4.1	9
148	Effect of Storage Conditions on <i>Jatropha curcas</i> Performance as Biocoagulant for Treating Palm Oil Mill Effluent. <i>Journal of Environmental Science and Technology</i> , 2019, 12, 92-101.	0.3	9
149	Density and Water Absorption of Sugarcane Bagasse-Filled Poly(vinyl chloride) Composites. <i>Polymers and Polymer Composites</i> , 2012, 20, 659-664.	1.9	8
150	Performance evaluation and cfd multiphase modeling for Multistage <i>Jatropha</i> Fruit Shelling Machine. <i>Industrial Crops and Products</i> , 2016, 85, 125-138.	5.2	8
151	Thermochemical Conversion of Plant Oils and Derivatives to Lubricants. <i>Advances in Bioenergy</i> , 2017, 2, 183-231.	1.3	8
152	Response Surface Method in the Optimization of a Rotary Pan-Equipped process for Increased Efficiency of Slow-Release Coated Urea. <i>Processes</i> , 2019, 7, 125.	2.8	8
153	Synthesis of Palm Oil Based Trimethylolpropane Esters with Improved Pour Points. , 0, , .		8
154	Palm-Based Neopentyl Glycol Diester: A Potential Green Insulating Oil. <i>Protein and Peptide Letters</i> , 2018, 25, 171-179.	0.9	8
155	Characterization of CdS Nanoparticles Synthesized Using Microwave-Assisted Polyol Method. <i>Advanced Materials Research</i> , 0, 667, 122-127.	0.3	7
156	Investigation of the nugget zone corrosion behavior in friction stir welded lap joints of 6061-T6 aluminum alloy. <i>Materials Research</i> , 2014, 17, 1563-1574.	1.3	7
157	Examination on the lightning breakdown strength of biodegradable oil under quasi-uniform field. , 2014, , .		7
158	Influence of Electrode Geometry on the Lightning Impulse Breakdown Voltage of Palm Oil. , 2018, , .		7
159	Modelling of mass transfer during pervaporation of ethanol/water mixture using polydimethylsiloxane membrane. <i>Chemical Engineering Research and Design</i> , 2021, 175, 320-329.	5.6	7
160	Lubricity performance of non-ionic surfactants in high-solid drilling fluids: A perspective from quantum chemical calculations and filtration properties. <i>Journal of Petroleum Science and Engineering</i> , 2021, 207, 109162.	4.2	7
161	Effect of surfactants on the lightning breakdown voltage of palm oil and coconut oil based Al <sub>2</sub> O <sub>3</sub> nanofluids. <i>Nanotechnology</i> , 2020, 31, 425708.	2.6	7
162	Influence of Mineral Filler Particle Size and Type on Rheological and Performance Properties of SMA Asphalt-filler Mastics. <i>Asian Journal of Applied Sciences</i> , 2012, 5, 522-537.	0.4	7

#	ARTICLE	IF	CITATIONS
163	Chemically active oil filter to develop detergent free bio-based lubrication for diesel engine. Energy, 2017, 124, 413-422.	8.8	6
164	Physiochemical and Electrical Properties of Refined, Bleached and Deodorized Palm Oil under High Temperature Ageing for Application in Transformers. Energies, 2018, 11, 1583.	3.1	6
165	Centrifugal separation-assisted and extraction of crude palm oil from separated mesocarp fiber: Central composite design optimization. Journal of Food Process Engineering, 2020, 43, e13426.	2.9	6
166	Study on Effect of Hydroxyl Group on Lubrication Properties of Palm Based Trimethylolpropane Esters: Development of Synthesis Method. Journal of Applied Sciences, 2007, 7, 2011-2014.	0.3	6
167	Kinetics of the transesterification of <i>Jatropha curcas</i> triglyceride with an alcohol in the presence of an alkaline catalyst. International Journal of Sustainable Energy, 2011, 30, S175-S183.	2.4	5
168	Innovative Method to Produce High-Purity Graphitic Carbon Nanospheres. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 109-118.	2.1	5
169	A study on the AC breakdown voltages of as-received palm oil and coconut oil under presence of TiO <sub>2</sub> . , 2015, , .		5
170	A Study on the Lightning Impulse Breakdown Voltages of Palm Oil and Coconut Oil by Different Methods. Applied Mechanics and Materials, 0, 793, 9-13.	0.2	5
171	Mechanical and structural evaluation of friction stir welded 6061 aluminium alloy lap joints at different welding speeds. Metallic Materials, 2016, 54, 351-361.	0.3	5
172	Elastomeric Nanocomposite Based on Exfoliated Graphene Oxide and Its Characteristics without Vulcanization. Journal of Nanomaterials, 2017, 2017, 1-11.	2.7	5
173	A-Review on Nanorods-An Overview from Synthesis to Emerging, Device Applications and Toxicity (A-Review). Oriental Journal of Chemistry, 2021, 37, 256-268.	0.3	5
174	Development of polymer derived carbon coated monolith for liquid adsorption application by response surface methodology. Canadian Journal of Chemical Engineering, 2009, 87, 591-597.	1.7	4
175	Oil Palm as Bioenergy Feedstock. , 2012, , 653-692.		4
176	Synthesis of palm-based ethylhexyl ester as a synthetic base oil for drilling fluids using chemical transesterification. Grasas Y Aceites, 2014, 65, e005.	0.9	4
177	Effects of different types of surfactants on AC breakdown voltage of refined, bleached and deodorized palm oil based CuO nanofluids. , 2018, , .		4
178	Modified local carbonate mineral as deoxygenated catalyst for biofuel production via catalytic pyrolysis of waste cooking oil. AIP Conference Proceedings, 2018, , .	0.4	4
179	Optimization and modeling of the performance of polydimethylsiloxane for pervaporation of ethanol-water mixture. Journal of Applied Polymer Science, 2021, 138, 50408.	2.6	4
180	Numerical Modeling of Mass Transfer for Solvent-Carbon Dioxide System at Supercritical (Miscible) Conditions. Journal of Applied Sciences, 2009, 9, 3055-3061.	0.3	4

#	ARTICLE	IF	CITATIONS
181	Effect of crude palm oil as plasticiser on the mechanical and morphology properties of low density polyethylene blown film. <i>International Journal of Materials Engineering Innovation</i> , 2013, 4, 302.	0.5	3
182	Investigation on the lightning breakdown voltage of Palm Oil and Coconut Oil under non-uniform field. , 2014, , .		3
183	Determination of sugars composition in abscission zone of oil palm fruit. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 206, 012034.	0.6	3
184	Steric hindrance effect on miscibility and properties of palm oil derived pentaerythritol ester lubricants. <i>Materials Today: Proceedings</i> , 2022, 63, S10-S21.	1.8	3
185	Utilization of MATLAB to Simulate Kinetics of Transesterification of Palm Oil-Based Methyl Esters with Trimethylolpropane for Biodegradable Synthetic Lubricant Synthesis. <i>Chemical Product and Process Modeling</i> , 2010, 5, .	0.9	2
186	Response Surface Methodology for Optimization of Epoxidized Trimethylolpropane Ester Synthesis from Palm Oil. <i>International Journal of Chemical Reactor Engineering</i> , 2011, 9, .	1.1	2
187	Dynamic Modeling of Reversible Methanolysis of <i>Jatropha curcas</i> Oil to Biodiesel. <i>Scientific World Journal</i> , The, 2013, 2013, 1-7.	2.1	2
188	Occurrence of Pattern Formation of Microstructural, Physical and Mechanical Properties of Sintered PM Steels Containing Pre-Alloyed Astaloy E Powder. <i>Transactions of the Indian Institute of Metals</i> , 2014, 67, 881-888.	1.5	2
189	Synthesis of Carbon Nanotube-Carbon Nanosphere on the CF Surface by CVD. <i>Advanced Materials Research</i> , 0, 1134, 209-212.	0.3	2
190	Performance Evaluation of Polyol Esters from Palm Oil as a Lubricant for Bentonite Suspension Drilling Fluid. <i>Tribology Online</i> , 2017, 12, 247-250.	0.9	2
191	Investigation on the Effect of Moisture on AC Breakdown Voltage of Refined, Bleached, and Deodorized Palm Oil. , 2019, , .		2
192	Pre-Breakdown Streamer Propagation and Positive Lightning Breakdown Characteristics of Palm Oil Impregnated Aged Pressboard. <i>IEEE Access</i> , 2020, 8, 58836-58844.	4.2	2
193	Insight into hydrophobic interactions between methyl ester sulfonate (MES) and polyacrylamide in alkaline-surfactant-polymer (ASP) flooding. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 2353-2364.	2.7	2
194	Field efficacy of palm oil-based nanoemulsion insecticides against <i>Aedes aegypti</i> in Malaysia. <i>Acta Tropica</i> , 2021, 224, 106107.	2.0	2
195	Conversion of <i>Oleum papaveris seminis</i> ; oil into methyl esters via esterification process: Optimization and kinetic study. <i>Grasas Y Aceites</i> , 2016, 67, e115.	0.9	2
196	Effect of additives on lubrication properties of palm oil-based trimethylolpropane ester for hydraulic fluid application. , 2011, , .		1
197	Performance Study of a <i>Jatropha Curcas</i> L. Fruit Shelling Machine for Kernel Recovery in Biodiesel Production. <i>Applied Engineering in Agriculture</i> , 2015, , 755-765.	0.7	1
198	Tribological compatibility analysis of conventional lubricant additives with palm trimethylolpropane ester (TMP) and tetrahedral amorphous diamond-like carbon coating (ta-C). <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2018, 232, 999-1013.	1.8	1

#	ARTICLE	IF	CITATIONS
199	Utilization of Nano and Micro Particles to Enhance Drilling Mud Rheology. Materials Science Forum, 2020, 1002, 435-447.	0.3	1
200	Process intensification of 2-ethylhexyl caprylate/caprato synthesis via a pulsed loop reactor: Multi-objective optimization. Chemical Engineering and Processing: Process Intensification, 2020, 149, 107837.	3.6	1
201	Catalytic Pyrolysis of Waste Chicken Fats Using Zeolite Catalysts. , 2013, , 73-79.		1
202	Roles and Principles of Sterilisation Process in Palm Oil Mills. Pertanika Journal of Science and Technology, 2021, 29, .	0.6	1
203	An Empirical Model on Extractive Lactic Acid Bioconversion. Artificial Cells, Blood Substitutes, and Biotechnology, 1999, 27, 403-410.	0.9	0
204	Kinetics of transesterification of jatropha curcas-based triglycerides with an alcohol in the presence of alkaline catalyst. , 2010, , .		0
205	Synthesis of 1,3-Dichloropropanol from Glycerol Using Muriatic Acid as Chlorinating Agent. Asian Journal of Chemistry, 2014, 26, 2907-2912.	0.3	0
206	CFD analysis chlorine gas dispersion in indoor storage: Temperatures with wind velocities effect studies. , 2014, , .		0
207	Investigation of the Structure and Hardness of Quenched Sintered Materials Produced from Iron-Base Alloyed Powders (Astaloy E). Metal Science and Heat Treatment, 2016, 58, 431-434.	0.6	0
208	Physical and mechanical properties of fresh and sterilized oil palm fruitlets. Acta Horticulturae, 2017, , 319-326.	0.2	0
209	SIMULATION MODEL OF NANO AND CONVENTIONAL DRILLING FLUIDS PERFORMANCE IN HORIZONTAL WELL. Advances and Applications in Fluid Mechanics, 2017, 20, 249-277.	0.1	0
210	Enhanced coagulant extraction from Jatropha curcas in aqueous solutions and the application in turbidity removal. , 0, 129, 227-233.		0