

# Robiah Yunus

## List of Publications by Year in descending order

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210  
papers

6,772  
citations

66343

42  
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82547

72  
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214  
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214  
docs citations

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times ranked

6565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple-objective optimization in green fuel production via catalytic deoxygenation reaction with NiO-dolomite catalyst. <i>Fuel</i> , 2022, 308, 122041.	6.4	12
2	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
3	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
4	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
5	Microstructural evaluation of ball-milled nano Al <sub>2</sub> O <sub>3</sub> particulate-reinforced aluminum matrix composite powders. <i>International Journal of Materials Research</i> , 2021, 106, 636-640.	0.3	17
6	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
7	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
8	Optimization and modeling of the performance of polydimethylsiloxane for pervaporation of ethanol-water mixture. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50408.	2.6	4
9	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
10	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
11	A New Model of Alcoholic Fermentation under a Byproduct Inhibitory Effect. <i>ACS Omega</i> , 2021, 6, 4137-4146.	3.5	17
12	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
13	A-Review on Nanorods-An Overview from Synthesis to Emerging, Device Applications and Toxicity (A-Review). <i>Oriental Journal of Chemistry</i> , 2021, 37, 256-268.	0.3	5
14	Release Mechanisms and Kinetic Models of Gypsum-Sulfur-Zeolite-Coated Urea Sealed with Microcrystalline Wax for Regulated Dissolution. <i>ACS Omega</i> , 2021, 6, 11144-11154.	3.5	19
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	Roles and Principles of Sterilisation Process in Palm Oil Mills. <i>Pertanika Journal of Science and Technology</i> , 2021, 29, .	0.6	1
24	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
25	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
26	Comparative study of transition metal-doped calcined Malaysian dolomite catalysts for WCO deoxygenation reaction. <i>Arabian Journal of Chemistry</i> , 2020, 13, 8146-8159.	4.9	16
27	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
28	Utilization of Nano and Micro Particles to Enhance Drilling Mud Rheology. <i>Materials Science Forum</i> , 2020, 1002, 435-447.	0.3	1
29	Towards Higher Oil Yield and Quality of Essential Oil Extracted from <i>Aquilaria malaccensis</i> Wood via the Subcritical Technique. <i>Molecules</i> , 2020, 25, 3872.	3.8	16
30	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
31	Process intensification of 2-ethylhexyl caprylate/caprate synthesis via a pulsed loop reactor: Multi-objective optimization. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 149, 107837.	3.6	1
32	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
33	Centrifugal separation-assisted and extraction of crude palm oil from separated mesocarp fiber: Central composite design optimization. <i>Journal of Food Process Engineering</i> , 2020, 43, e13426.	2.9	6
34	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
35	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
36	Modelling of Molasses Fermentation for Bioethanol Production: A Comparative Investigation of Monod and Andrews Models Accuracy Assessment. <i>Biomolecules</i> , 2019, 9, 308.	4.0	19

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37	Overview of Alternative Ethanol Removal Techniques for Enhancing Bioethanol Recovery from Fermentation Broth. Processes, 2019, 7, 458.	2.8	36
38	Effect of molecular structure on oxidative degradation of ester based transformer oil. Tribology International, 2019, 140, 105852.	5.9	29
39	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
40	Experimental Evaluation of Napier Grass Gasification in an Autothermal Bubbling Fluidized Bed Reactor. Energies, 2019, 12, 1517.	3.1	11
41	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
42	Appraisal of Sulphonation Processes to Synthesize Palm Waste Biochar Catalysts for the Esterification of Palm Fatty Acid Distillate. Catalysts, 2019, 9, 184.	3.5	14
43	Response Surface Method in the Optimization of a Rotary Pan-Equipped process for Increased Efficiency of Slow-Release Coated Urea. Processes, 2019, 7, 125.	2.8	8
44	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
45	Investigation on the Effect of Moisture on AC Breakdown Voltage of Refined, Bleached, and Deodorized Palm Oil. , 2019, , .		2
46	Effects of palm-based trimethylolpropane ester/mineral oil blending on dielectric properties and oxidative stability of transformer insulating liquid. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 1771-1778.	2.9	14
47	Synthesis of Carbon Nanomaterials Using Catalytic Chemical Vapor Deposition Technique. , 2019, , 1-27.		16
48	Effect of Storage Conditions on Jatropha curcas Performance as Biocoagulant for Treating Palm Oil Mill Effluent. Journal of Environmental Science and Technology, 2019, 12, 92-101.	0.3	9
49	Review of biodegradable synthetic-based drilling fluid: Progression, performance and future prospect. Renewable and Sustainable Energy Reviews, 2018, 90, 171-186.	16.4	70
50	Laboratory Evaluation on Ammonia Volatilization from Coated Urea Fertilizers. Communications in Soil Science and Plant Analysis, 2018, 49, 717-724.	1.4	11
51	Tribological compatibility analysis of conventional lubricant additives with palm trimethylolpropane ester (TMP) and tetrahedral amorphous diamond-like carbon coating (ta-C). Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2018, 232, 999-1013.	1.8	1
52	Effects of different types of surfactants on AC breakdown voltage of refined, bleached and deodorized palm oil based CuO nanofluids. , 2018, , .		4
53	Influence of Electrode Geometry on the Lightning Impulse Breakdown Voltage of Palm Oil. , 2018, , .		7
54	Modified local carbonate mineral as deoxygenated catalyst for biofuel production via catalytic pyrolysis of waste cooking oil. AIP Conference Proceedings, 2018, , .	0.4	4

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55	Pre-breakdown streamer propagation and breakdown characteristics of refined bleached and deodorized palm oil under lightning impulse voltage. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 1614-1620.	2.9	27
56	Ageing Study of Palm Oil and Coconut Oil in the Presence of Insulation Paper for Transformers Application. Materials, 2018, 11, 532.	2.9	16
57	Modified sulfonation method for converting carbonized glucose into solid acid catalyst for the esterification of palm fatty acid distillate. Fuel, 2018, 229, 68-78.	6.4	48
58	Tribological characteristics comparison of formulated palm trimethylolpropane ester and polyalphaolefin for cam/tappet interface of direct acting valve train system. Industrial Lubrication and Tribology, 2018, 70, 888-901.	1.3	9
59	Performance stability of solid-state polypyrrole-reduced graphene oxide-modified carbon bundle fiber for supercapacitor application. Electrochimica Acta, 2018, 285, 9-15.	5.2	25
60	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
61	Nonionic polyol esters as thinner and lubricity enhancer for synthetic-based drilling fluids. Journal of Molecular Liquids, 2018, 266, 846-855.	4.9	20
62	Palm-Based Neopentyl Glycol Diester: A Potential Green Insulating Oil. Protein and Peptide Letters, 2018, 25, 171-179.	0.9	8
63	Green Biofuel Production via Catalytic Pyrolysis of Waste Cooking Oil using Malaysian Dolomite Catalyst. Bulletin of Chemical Reaction Engineering and Catalysis, 2018, 13, 489-501.	1.1	21
64	Dispersion Stability and Tribological Characteristics of TiO <sub>2</sub> /SiO <sub>2</sub> Nanocomposite-Enriched Biobased Lubricant. Tribology Transactions, 2017, 60, 670-680.	2.0	47
65	Chemically active oil filter to develop detergent free bio-based lubrication for diesel engine. Energy, 2017, 124, 413-422.	8.8	6
66	Screening of solid base catalysts on palm oil based biolubricant synthesis. Journal of Cleaner Production, 2017, 148, 441-451.	9.3	30
67	Physical and mechanical properties of fresh and sterilized oil palm fruitlets. Acta Horticulturae, 2017, , 319-326.	0.2	0
68	Coagulative Behaviour of <i>Jatropha curcas</i> and its Performance in Wastewater Treatment. Environmental Progress and Sustainable Energy, 2017, 36, 1709-1718.	2.3	15
69	Synthesis of biodiesel from palm fatty acid distillate using sulfonated palm seed cake catalyst. Renewable Energy, 2017, 111, 611-619.	8.9	98
70	Electrodeposition of Polypyrrole and Reduced Graphene Oxide onto Carbon Bundle Fibre as Electrode for Supercapacitor. Nanoscale Research Letters, 2017, 12, 246.	5.7	79
71	Single step encapsulation process of tamoxifen in biodegradable polymer using supercritical anti-solvent (SAS) process. Powder Technology, 2017, 309, 89-94.	4.2	12
72	Thermochemical Conversion of Plant Oils and Derivatives to Lubricants. Advances in Bioenergy, 2017, 2, 183-231.	1.3	8

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73	Degradation of enriched biodiesel under different storage conditions. <i>Biofuels</i> , 2017, 8, 181-186.	2.4	9
74	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
75	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
76	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
77	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
78	Elastomeric Nanocomposite Based on Exfoliated Graphene Oxide and Its Characteristics without Vulcanization. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-11.	2.7	5
79	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
80	SIMULATION MODEL OF NANO AND CONVENTIONAL DRILLING FLUIDS PERFORMANCE IN HORIZONTAL WELL. <i>Advances and Applications in Fluid Mechanics</i> , 2017, 20, 249-277.	0.1	0
81	Mechanical and structural evaluation of friction stir welded 6061 aluminium alloy lap joints at different welding speeds. <i>Metallic Materials</i> , 2016, 54, 351-361.	0.3	5
82	Nanomechanical Behavior of Multi-Walled Carbon Nanotubes Particulate Reinforced Aluminum Nanocomposites Prepared by Ball Milling. <i>Materials</i> , 2016, 9, 140.	2.9	24
83	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
84	Investigation of the Structure and Hardness of Quenched Sintered Materials Produced from Iron-Base Alloyed Powders (Astaloy E). <i>Metal Science and Heat Treatment</i> , 2016, 58, 431-434.	0.6	0
85	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
86	Post-functionalization of polymeric mesoporous C@Zn core-shell spheres used for methyl ester production. <i>Renewable Energy</i> , 2016, 99, 1235-1243.	8.9	18
87	Synthesis of Different Layers of Graphene on Stainless Steel Using the CVD Method. <i>Nanoscale Research Letters</i> , 2016, 11, 506.	5.7	19
88	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
89	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
90	The effect of polarity on the lightning breakdown voltages of palm oil and coconut oil under a non-uniform field for transformers application. <i>Industrial Crops and Products</i> , 2016, 89, 250-256.	5.2	19

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91	Synthesis and Optimization of 2-ethylhexyl Ester as Base Oil for Drilling Fluid Formulation. Chemical Engineering Communications, 2016, 203, 463-470.	2.6	11
92	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). Fuel, 2016, 178, 253-262.	6.4	80
93	Synthesis of high oleic palm oil-based trimethylolpropane esters in a vacuum operated pulsed loop reactor. Fuel, 2016, 166, 560-566.	6.4	29
94	Performance evaluation and cfd multiphase modeling for Multistage Jatropha Fruit Shelling Machine. Industrial Crops and Products, 2016, 85, 125-138.	5.2	8
95	Temperature effect on tribological properties of polyol ester-based environmentally adapted lubricant. Tribology International, 2016, 93, 43-49.	5.9	37
96	Lubricity of bio-based lubricant derived from different chemically modified fatty acid methyl ester. Tribology International, 2016, 93, 555-562.	5.9	94
97	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
98	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
99	Conversion of &lt;em>Oleum papaveris seminis</em> oil into methyl esters via esterification process: Optimization and kinetic study. Grasas Y Aceites, 2016, 67, e115.	0.9	2
100	A study on the AC breakdown voltages of as-received palm oil and coconut oil under presence of TiO <sub>2</sub> . , 2015, , .		5
101	Palm Oil Derived Trimethylolpropane Triesters Synthetic Lubricants and Usage in Industrial Metalworking Fluid. Journal of Oleo Science, 2015, 64, 143-151.	1.4	24
102	Study on the Spectrophotometric Detection of Free Fatty Acids in Palm Oil Utilizing Enzymatic Reactions. Molecules, 2015, 20, 12328-12340.	3.8	12
103	Performance Study of a Jatropha Curcas L. Fruit Shelling Machine for Kernel Recovery in Biodiesel Production. Applied Engineering in Agriculture, 2015, , 755-765.	0.7	1
104	Transesterification for Biodiesel Production Using <i>Thespesia Populnea</i> Seed Oil: An Optimization Study. International Journal of Green Energy, 2015, 12, 479-484.	3.8	19
105	Effect of growing graphene flakes on branched carbon nanofibers based on carbon fiber on mechanical and thermal properties of polypropylene. RSC Advances, 2015, 5, 9925-9932.	3.6	23
106	Synthesis of Biodiesel through Catalytic Transesterification of Various Feedstocks using Fast Solvothermal Technology: A Critical Review. Catalysis Reviews - Science and Engineering, 2015, 57, 407-435.	12.9	31
107	Cold flow and fuel properties of methyl oleate and palm-oil methyl ester blends. Fuel, 2015, 160, 238-244.	6.4	44
108	Low-Temperature Dilute Acid Hydrolysis of Oil Palm Frond. Chemical Engineering Communications, 2015, 202, 1235-1244.	2.6	10



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109	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
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	Few- and multi-layer graphene on carbon fibers: synthesis and application. <i>RSC Advances</i> , 2015, 5, 81266-81274.	3.6	19
120	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
121	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
122	Synthesis of 1,3-Dichloropropanol from Glycerol Using Muriatic Acid as Chlorinating Agent. <i>Asian Journal of Chemistry</i> , 2014, 26, 2907-2912.	0.3	0
123	Corrosion behavior of friction stir welded lap joints of AA6061-T6 aluminum alloy. <i>Materials Research</i> , 2014, 17, 672-681.	1.3	29
124	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
125	Microwave-assisted Biodiesel Production by Esterification of Palm Fatty Acid Distillate. <i>Journal of Oleo Science</i> , 2014, 63, 849-855.	1.4	27
126	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



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127	Synthesis of palm-based ethylhexyl ester as a synthetic base oil for drilling fluids using chemical transesterification. <i>Grasas Y Aceites</i> , 2014, 65, e005.	0.9	4
128	CFD analysis chlorine gas dispersion in indoor storage: Temperatures with wind velocities effect studies. , 2014, , .		0
129	Investigation on the lightning breakdown voltage of Palm Oil and Coconut Oil under non-uniform field. , 2014, , .		3
130	Examination on the lightning breakdown strength of biodegradable oil under quasi-uniform field. , 2014, , .		7
131	A study on the dielectric properties of Palm Oil and Coconut Oil. , 2014, , .		19
132	Development and testing of a Jatropha fruit shelling process for shell-free kernel recovery in biodiesel production. <i>Biosystems Engineering</i> , 2014, 121, 46-55.	4.3	12
133	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
134	Momordica CharantiaSeed Oil Methyl Esters: A Kinetic Study And Fuel Properties. <i>International Journal of Green Energy</i> , 2014, 11, 727-740.	3.8	10
135	An overview of the emerging warm mix asphalt technology. <i>International Journal of Pavement Engineering</i> , 2014, 15, 79-94.	4.4	131
136	The Effect of Temperature on Tribological Properties of Chemically Modified Bio-Based Lubricant. <i>Tribology Transactions</i> , 2014, 57, 408-415.	2.0	43
137	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
138	Comparative performance of different urea coating materials for slow release. <i>Particuology</i> , 2014, 17, 165-172.	3.6	63
139	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
140	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
141	Kapok oil methyl esters. <i>Biomass and Bioenergy</i> , 2014, 66, 419-425.	5.7	22
142	Methods for coating solid-phase microextraction fibers with carbon nanotubes. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 59, 133-143.	11.4	90
143	Transesterification Reaction for Synthesis of Palm <sup>^</sup> -based Ethylhexyl Ester and Formulation as Base Oil for Synthetic Drilling Fluid. <i>Journal of Oleo Science</i> , 2014, 63, 497-506.	1.4	16
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	Experimental Analysis of Tribological Properties of Biolubricant with Nanoparticle Additive. <i>Procedia Engineering</i> , 2013, 68, 152-157.	1.2	104
146	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
147	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
148	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
149	Transesterification of jatropha oil with methanol over Mg-Zn mixed metal oxide catalysts. <i>Energy</i> , 2013, 49, 12-18.	8.8	113
150	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
151	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
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