

Ts Umer Rashid

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

330
papers

8,282
citations

46
h-index

77
g-index

350
ext. papers

10,273
ext. citations

4.7
avg, IF

6.71
L-index

#	Paper	IF	Citations
330	Moringa oleifera oil: a possible source of biodiesel. <i>Bioresource Technology</i> , 2008 , 99, 8175-9	11	354
329	Production of biodiesel through optimized alkaline-catalyzed transesterification of rapeseed oil. <i>Fuel</i> , 2008 , 87, 265-273	7.1	336
328	Production of slow release crystal fertilizer from wastewaters through struvite crystallization [A review]. <i>Arabian Journal of Chemistry</i> , 2014 , 7, 139-155	5.9	298
327	Green synthesis of silver nanoparticles through reduction with Solanum xanthocarpum L. berry extract: characterization, antimicrobial and urease inhibitory activities against Helicobacter pylori. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 9923-41	6.3	210
326	Evaluation of biodiesel obtained from cottonseed oil. <i>Fuel Processing Technology</i> , 2009 , 90, 1157-1163	7.2	200
325	Biochar production from waste rubber-wood-sawdust and its potential use in C sequestration: Chemical and physical characterization. <i>Industrial Crops and Products</i> , 2013 , 44, 18-24	5.9	192
324	Production of sunflower oil methyl esters by optimized alkali-catalyzed methanolysis. <i>Biomass and Bioenergy</i> , 2008 , 32, 1202-1205	5.3	182
323	Investigation of heterogeneous solid acid catalyst performance on low grade feedstocks for biodiesel production: A review. <i>Energy Conversion and Management</i> , 2017 , 141, 171-182	10.6	174
322	Kinetic analyses and pyrolytic behavior of Para grass (<i>Urochloa mutica</i>) for its bioenergy potential. <i>Bioresource Technology</i> , 2017 , 224, 708-713	11	162
321	Okra (<i>Hibiscus esculentus</i>) seed oil for biodiesel production. <i>Applied Energy</i> , 2010 , 87, 779-785	10.7	118
320	Transesterification of <i>Jatropha curcas</i> crude oil to biodiesel on calcium lanthanum mixed oxide catalyst: Effect of stoichiometric composition. <i>Energy Conversion and Management</i> , 2014 , 88, 1290-1296	10.6	114
319	Application of response surface methodology for optimizing transesterification of <i>Moringa oleifera</i> oil: Biodiesel production. <i>Energy Conversion and Management</i> , 2011 , 52, 3034-3042	10.6	114
318	Biomass production for bioenergy using marginal lands. <i>Sustainable Production and Consumption</i> , 2017 , 9, 3-21	8.2	104
317	Synthesis of waste cooking oil-based biodiesel via effectual recyclable bi-functional $\text{Fe}_2\text{O}_3\text{MnOSO}_4\cdot\text{ZrO}_2$ nanoparticle solid catalyst. <i>Fuel</i> , 2015 , 142, 38-45	7.1	103
316	Modified waste egg shell derived bifunctional catalyst for biodiesel production from high FFA waste cooking oil. A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 3645-3655	16.2	103
315	Production of Biodiesel through Base-Catalyzed Transesterification of Safflower Oil Using an Optimized Protocol. <i>Energy & Fuels</i> , 2008 , 22, 1306-1312	4.1	99
314	Production of biodiesel from non-edible <i>Jatropha curcas</i> oil via transesterification using Bi_2O_3 catalyst. <i>Energy Conversion and Management</i> , 2014 , 88, 1257-1262	10.6	96

313	Low-cost solid catalyst derived from waste <i>Cyrtopleura costata</i> (Angel Wing Shell) for biodiesel production using microalgae oil. <i>Energy Conversion and Management</i> , 2015 , 101, 749-756	10.6	87
312	Methyl ester production from palm fatty acid distillate using sulfonated glucose-derived acid catalyst. <i>Renewable Energy</i> , 2015 , 81, 347-354	8.1	78
311	Synthesis of biodiesel from palm fatty acid distillate using sulfonated palm seed cake catalyst. <i>Renewable Energy</i> , 2017 , 111, 611-619	8.1	75
310	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	5.9	75
309	Waste to biodiesel: A preliminary assessment for Saudi Arabia. <i>Bioresource Technology</i> , 2018 , 250, 17-25	11	74
308	Biodiesel production in the presence of sulfonated mesoporous ZnAl ₂ O ₄ catalyst via esterification of palm fatty acid distillate (PFAD). <i>Fuel</i> , 2016 , 178, 253-262	7.1	72
307	Biodiesel from Milo (<i>Thespesia populnea</i> L.) seed oil. <i>Biomass and Bioenergy</i> , 2011 , 35, 4034-4039	5.3	69
306	CeO ₂ BiO ₂ supported nickel catalysts for dry reforming of methane toward syngas production. <i>Applied Catalysis A: General</i> , 2013 , 468, 359-369	5.1	67
305	Biodiesel production from crude <i>Jatropha Curcas</i> oil using calcium based mixed oxide catalysts. <i>Fuel</i> , 2014 , 136, 244-252	7.1	67
304	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	5.1	67
303	Supported solid and heteropoly acid catalysts for production of biodiesel. <i>Catalysis Reviews - Science and Engineering</i> , 2017 , 59, 165-188	12.6	63
302	Optimization of oil extraction from waste Date pits for biodiesel production. <i>Energy Conversion and Management</i> , 2016 , 117, 264-272	10.6	63
301	Esterification of palm fatty acid distillate using sulfonated carbon-based catalyst derived from palm kernel shell and bamboo. <i>Energy Conversion and Management</i> , 2019 , 181, 562-570	10.6	63
300	Recent progress in synthesis and surface functionalization of mesoporous acidic heterogeneous catalysts for esterification of free fatty acid feedstocks: A review. <i>Energy Conversion and Management</i> , 2017 , 141, 183-205	10.6	59
299	Optimization of alkaline transesterification of rice bran oil for biodiesel production using response surface methodology. <i>Journal of Chemical Technology and Biotechnology</i> , 2009 , 84, 1364-1370	3.5	58
298	Structure based medicinal chemistry-driven strategy to design substituted dihydropyrimidines as potential antileishmanial agents. <i>European Journal of Medicinal Chemistry</i> , 2016 , 115, 230-44	6.8	57
297	Lubricant properties of Moringa oil using thermal and tribological techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 96, 999-1008	4.1	57
296	Performance and exhaust emission characteristics of direct-injection diesel engine fueled with enriched biodiesel. <i>Energy Conversion and Management</i> , 2015 , 106, 365-372	10.6	55

295	Preparation of Na ₂ O supported CNTs nanocatalyst for efficient biodiesel production from waste-oil. <i>Energy Conversion and Management</i> , 2020 , 205, 112445	10.6	54
294	Meso- and macroporous sulfonated starch solid acid catalyst for esterification of palm fatty acid distillate. <i>Arabian Journal of Chemistry</i> , 2016 , 9, 179-189	5.9	52
293	Muskmelon (<i>Cucumis melo</i>) seed oil: A potential non-food oil source for biodiesel production. <i>Energy</i> , 2011 , 36, 5632-5639	7.9	52
292	Improvement in the water retention characteristics of sandy loam soil using a newly synthesized poly(acrylamide-co-acrylic acid)/AlZnFe ₂ O ₄ superabsorbent hydrogel nanocomposite material. <i>Molecules</i> , 2012 , 17, 9397-412	4.8	52
291	Design, synthesis, in-vitro, in-vivo and in-silico studies of pyrrolidine-2,5-dione derivatives as multitarget anti-inflammatory agents. <i>European Journal of Medicinal Chemistry</i> , 2020 , 186, 111863	6.8	52
290	Synthesis of palm oil-based trimethylolpropane ester as potential biolubricant: Chemical kinetics modeling. <i>Chemical Engineering Journal</i> , 2012 , 200-202, 532-540	14.7	50
289	Design, synthesis and bioevaluation of tricyclic fused ring system as dual binding site acetylcholinesterase inhibitors. <i>Bioorganic Chemistry</i> , 2019 , 83, 336-347	5.1	50
288	Hydrothermal effect on synthesis, characterization and catalytic properties of calcium methoxide for biodiesel production from crude <i>Jatropha curcas</i> . <i>RSC Advances</i> , 2015 , 5, 4266-4276	3.7	47
287	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	5.1	47
286	Optimization of Base Catalytic Methanolysis of Sunflower (<i>Helianthus annuus</i>) Seed Oil for Biodiesel Production by Using Response Surface Methodology. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 1719-1726	3.9	47
285	Application of response surface methodology (RSM) for optimizing the palm-based pentaerythritol ester synthesis. <i>Industrial Crops and Products</i> , 2014 , 62, 305-312	5.9	46
284	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	12.6	46
283	Response Surface Methodology: An Emphatic Tool for Optimized Biodiesel Production Using Rice Bran and Sunflower Oils. <i>Energies</i> , 2012 , 5, 3307-3328	3.1	46
282	Palladium and Copper Catalyzed Sonogashira cross Coupling an Excellent Methodology for C-C Bond Formation over 17 Years: A Review. <i>Catalysts</i> , 2020 , 10, 443	4	44
281	Carbonaceous materials modified catalysts for simultaneous SO ₂ /NO _x removal from flue gas: A review. <i>Catalysis Reviews - Science and Engineering</i> , 2019 , 61, 134-161	12.6	43
280	Isolation of dihydrobenzofuran derivatives from ethnomedicinal species <i>Polygonum barbatum</i> as anticancer compounds. <i>Biological Research</i> , 2019 , 52, 1	7.6	42
279	Current scenario of catalysts for biodiesel production: a critical review. <i>Reviews in Chemical Engineering</i> , 2018 , 34, 267-297	5	42
278	Efficient waste <i>Gallus domesticus</i> shell derived calcium-based catalyst for biodiesel production. <i>Fuel</i> , 2018 , 211, 67-75	7.1	41

277	Activated Carbon from Various Agricultural Wastes by Chemical Activation with KOH: Preparation and Characterization. <i>Journal of Biobased Materials and Bioenergy</i> , 2013 , 7, 708-714	1.4	41
276	Synthesis of bimetallic gold-palladium loaded on carbon as efficient catalysts for the oxidation of benzyl alcohol into benzaldehyde. <i>Journal of Molecular Liquids</i> , 2018 , 271, 885-891	6	41
275	The effect of sulfate contents on the surface properties of iron-manganese doped sulfated zirconia catalysts. <i>Powder Technology</i> , 2014 , 253, 809-813	5.2	40
274	Variation in minerals, phenolics and antioxidant activity of peel and pulp of different varieties of peach (<i>Prunus persica</i> L.) fruit from Pakistan. <i>Molecules</i> , 2012 , 17, 6491-506	4.8	40
273	Characterization of Moringa oleifera seed oil from drought and irrigated regions of Punjab, Pakistan. <i>Grasas Y Aceites</i> , 2006 , 57,	1.3	40
272	In vitro antimicrobial, antioxidant, cytotoxicity and GC-MS analysis of <i>Mazus goodenifolius</i> . <i>Molecules</i> , 2012 , 17, 14275-87	4.8	39
271	Sub- and supercritical esterification of palm fatty acid distillate with carbohydrate-derived solid acid catalyst. <i>Chemical Engineering Journal</i> , 2016 , 284, 872-878	14.7	38
270	A Review on Thermal Conversion of Plant Oil (Edible and Inedible) into Green Fuel Using Carbon-Based Nanocatalyst. <i>Catalysts</i> , 2019 , 9, 350	4	38
269	Fe ₃ O ₄ -PDA-Lipase as Surface Functionalized Nano Biocatalyst for the Production of Biodiesel Using Waste Cooking Oil as Feedstock: Characterization and Process Optimization. <i>Energies</i> , 2020 , 13, 177	3.1	38
268	Design, synthesis, in-vitro thymidine phosphorylase inhibition, in-vivo antiangiogenic and in-silico studies of C-6 substituted dihydropyrimidines. <i>Bioorganic Chemistry</i> , 2018 , 80, 99-111	5.1	38
267	Detection of aflatoxins and zearalenone contamination in wheat derived products. <i>Food Control</i> , 2014 , 35, 223-226	6.2	36
266	Production of biodiesel from palm fatty acid distillate using sulfonated-glucose solid acid catalyst: Characterization and optimization. <i>Chinese Journal of Chemical Engineering</i> , 2015 , 23, 1857-1864	3.2	35
265	Activity of Calcium Methoxide Catalyst for Synthesis of High Oleic Palm Oil Based Trimethylolpropane Triesters as Lubricant Base Stock. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 5438-5442	3.9	35
264	Synthesis of 2-acylated and sulfonated 4-hydroxycoumarins: In vitro urease inhibition and molecular docking studies. <i>Bioorganic Chemistry</i> , 2016 , 66, 111-6	5.1	35
263	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	7.1	35
262	Synthesis, biological evaluation and docking studies of 2,3-dihydroquinazolin-4(1H)-one derivatives as inhibitors of cholinesterases. <i>Bioorganic Chemistry</i> , 2017 , 70, 237-244	5.1	34
261	Solvent-free catalytic deoxygenation of palm fatty acid distillate over cobalt and manganese supported on activated carbon originating from waste coconut shell. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 144, 104690	6	33
260	Cold flow and fuel properties of methyl oleate and palm-oil methyl ester blends. <i>Fuel</i> , 2015 , 160, 238-244	4.1	33

259	Chemical Composition of Date Palm (<i>Phoenix dactylifera</i> L.) Seed Oil from Six Saudi Arabian Cultivars. <i>Journal of Food Science</i> , 2018 , 83, 624-630	3.4	33
258	Esterification of palm fatty acid distillate (PFAD) to biodiesel using Bi-functional catalyst synthesized from waste angel wing shell (<i>Cyrtopleura costata</i>). <i>Renewable Energy</i> , 2019 , 131, 187-196	8.1	33
257	Optimization of polyol ester production by transesterification of <i>Jatropha</i> -based methyl ester with trimethylolpropane using Taguchi design of experiment. <i>Fuel</i> , 2011 , 90, 2343-2345	7.1	33
256	Synthesis, crystal structure determination, biological screening and docking studies of N-substituted derivatives of 2,3-dihydroquinazolin-4(1H)-one as inhibitors of cholinesterases. <i>Bioorganic Chemistry</i> , 2017 , 72, 256-267	5.1	32
255	Amino acid conjugated antimicrobial drugs: Synthesis, lipophilicity- activity relationship, antibacterial and urease inhibition activity. <i>European Journal of Medicinal Chemistry</i> , 2018 , 145, 140-153	6.8	31
254	Synthesis, in-vitro α -glucosidase inhibition, antioxidant, in-vivo antidiabetic and molecular docking studies of pyrrolidine-2,5-dione and thiazolidine-2,4-dione derivatives. <i>Bioorganic Chemistry</i> , 2019 , 91, 103128	5.1	31
253	Biomedical Applications of Aromatic Azo Compounds. <i>Mini-Reviews in Medicinal Chemistry</i> , 2018 , 18, 1548-1558	3.2	31
252	Rational design and synthesis of dihydropyrimidine based dual binding site acetylcholinesterase inhibitors. <i>Bioorganic Chemistry</i> , 2016 , 69, 91-101	5.1	31
251	Synthesis of carbonaceous solid acid magnetic catalyst from empty fruit bunch for esterification of palm fatty acid distillate (PFAD). <i>Energy Conversion and Management</i> , 2019 , 195, 480-491	10.6	28
250	Photocatalysis for Organic Wastewater Treatment: From the Basis to Current Challenges for Society. <i>Catalysts</i> , 2020 , 10, 1260	4	28
249	Recent progress in the design and synthesis of nanofibers with diverse synthetic methodologies: characterization and potential applications. <i>New Journal of Chemistry</i> , 2020 , 44, 9581-9606	3.6	28
248	Microwave-Assisted Methyl Ester Production from Palm Fatty Acid Distillate over a Heterogeneous Carbon-Based Solid Acid Catalyst. <i>Chemical Engineering and Technology</i> , 2015 , 38, 1837-1844	2	28
247	Sulfonated mesoporous ZnO catalyst for methyl esters production. <i>Journal of Cleaner Production</i> , 2017 , 144, 482-491	10.3	27
246	Temperature effect on tribological properties of polyol ester-based environmentally adapted lubricant. <i>Tribology International</i> , 2016 , 93, 43-49	4.9	27
245	Heterogeneous calcium-based bimetallic oxide catalyzed transesterification of <i>Elaeis guineensis</i> derived triglycerides for biodiesel production. <i>Energy Conversion and Management</i> , 2017 , 141, 20-27	10.6	26
244	Synthesis of reusable biobased nano-catalyst from waste sugarcane bagasse for biodiesel production. <i>Environmental Technology and Innovation</i> , 2020 , 18, 100788	7	26
243	Synthesis of char-based acidic catalyst for methanolysis of waste cooking oil: An insight into a possible valorization pathway for the solid by-product of gasification. <i>Energy Conversion and Management</i> , 2018 , 158, 186-192	10.6	26
242	Chemical Characterization, Analgesic, Antioxidant, and Anticholinesterase Potentials of Essential Oils From <i>Wall. ex. Benth.</i> <i>Frontiers in Pharmacology</i> , 2018 , 9, 623	5.6	26

241	Microwave-assisted biodiesel production by esterification of palm fatty acid distillate. <i>Journal of Oleo Science</i> , 2014 , 63, 849-55	1.6	26
240	Synthesis, in-vitro cholinesterase inhibition, in-vivo anticonvulsant activity and in-silico exploration of N-(4-methylpyridin-2-yl)thiophene-2-carboxamide analogs. <i>Bioorganic Chemistry</i> , 2019 , 92, 103216	5.1	25
239	Esterification of Palm Fatty Acid Distillate Using a Sulfonated Mesoporous CuO-ZnO Mixed Metal Oxide Catalyst. <i>Chemical Engineering and Technology</i> , 2017 , 40, 1931-1939	2	25
238	Investigation of Ce(III) promoter effects on the tri-metallic Pt, Pd, Ni/MgO catalyst in dry-reforming of methane. <i>RSC Advances</i> , 2016 , 6, 10372-10384	3.7	25
237	Advances in Valorization of Lignocellulosic Biomass towards Energy Generation. <i>Catalysts</i> , 2021 , 11, 3094		25
236	Breakthrough studies of Co ₃ O ₄ supported activated carbon monolith for simultaneous SO ₂ /NO _x removal from flue gas. <i>Fuel Processing Technology</i> , 2018 , 180, 155-165	7.2	25
235	Sulfonated mesoporous zinc aluminate catalyst for biodiesel production from high free fatty acid feedstock using microwave heating system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 70, 219-228	5.3	24
234	Ursolic Acid Hydrazone Based Organometallic Complexes: Synthesis, Characterization, Antibacterial, Antioxidant, and Docking Studies. <i>Frontiers in Chemistry</i> , 2018 , 6, 55	5	24
233	Single-Pot Synthesis of Biodiesel using Efficient Sulfonated-Derived Tea Waste-Heterogeneous Catalyst. <i>Materials</i> , 2019 , 12,	3.5	24
232	Design, synthesis, in vitro Evaluation and docking studies on dihydropyrimidine-based urease inhibitors. <i>Bioorganic Chemistry</i> , 2017 , 74, 53-65	5.1	24
231	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	12.6	23
230	Yucca aloifolia oil methyl esters. <i>Industrial Crops and Products</i> , 2015 , 69, 257-262	5.9	23
229	Supermagnetic Nano-Bifunctional Catalyst from Rice Husk: Synthesis, Characterization and Application for Conversion of Used Cooking Oil to Biodiesel. <i>Catalysts</i> , 2020 , 10, 225	4	23
228	Synthesis, biological activities, and molecular docking studies of 2-mercaptobenzimidazole based derivatives. <i>Bioorganic Chemistry</i> , 2018 , 80, 472-479	5.1	23
227	Effects of polyvinylpyrrolidone on structural and optical properties of willemite semiconductor nanoparticles by polymer thermal treatment method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 136, 2249-2268	4.1	23
226	Molecular hybridization conceded exceptionally potent quinolinyl-oxadiazole hybrids through phenyl linked thiosemicarbazide antileishmanial scaffolds: In silico validation and SAR studies. <i>Bioorganic Chemistry</i> , 2017 , 71, 192-200	5.1	22
225	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	22
224	Synthesis of high oleic palm oil-based trimethylolpropane esters in a vacuum operated pulsed loop reactor. <i>Fuel</i> , 2016 , 166, 560-566	7.1	22

223	Comparative study of the methanolysis and ethanolysis of Maize oil using alkaline catalysts. <i>Grasas y Aceites</i> , 2012 , 63, 35-43	1.3	22
222	Synthesis, in-vitro, in-vivo anti-inflammatory activities and molecular docking studies of acyl and salicylic acid hydrazide derivatives. <i>Bioorganic Chemistry</i> , 2020 , 104, 104168	5.1	22
221	Kapok oil methyl esters. <i>Biomass and Bioenergy</i> , 2014 , 66, 419-425	5.3	21
220	Pyrolysis of polypropylene plastic waste into carbonaceous char: Priority of plastic waste management amidst COVID-19 pandemic. <i>Science of the Total Environment</i> , 2022 , 803, 149911	10.2	21
219	Thermogravimetric analyses revealed the bioenergy potential of <i>Eulaliopsis binata</i> . <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 130, 1237-1247	4.1	20
218	Core-shell ZnO-TiO ₂ hollow spheres synthesized by in-situ hydrothermal method for ester production application. <i>Renewable Energy</i> , 2020 , 151, 1076-1081	8.1	20
217	Influence of Ce ₂ O ₃ and CeO ₂ promoters on Pd/MgO catalysts in the dry-reforming of methane. <i>RSC Advances</i> , 2015 , 5, 81739-81752	3.7	19
216	Strain selection, growth productivity and biomass characterization of novel microalgae isolated from fresh and wastewaters of upper Punjab, Pakistan. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2016 , 9, 190-200	0.7	19
215	Effects of Calcination Holding Time on Properties of Wide Band Gap Willemite Semiconductor Nanoparticles by the Polymer Thermal Treatment Method. <i>Molecules</i> , 2018 , 23,	4.8	19
214	Design and synthesis of arylthiophene-2-carbaldehydes via Suzuki-Miyaura reactions and their biological evaluation. <i>Molecules</i> , 2013 , 18, 14711-25	4.8	19
213	Valorization of solid waste biomass by inoculation for the enhanced yield of biogas. <i>Clean Technologies and Environmental Policy</i> , 2020 , 22, 513-522	4.3	19
212	Phytochemical profiling of bioactive compounds, anti-inflammatory and analgesic potentials of <i>Habenaria digitata</i> Lindl.: Molecular docking based synergistic effect of the identified compounds. <i>Journal of Ethnopharmacology</i> , 2021 , 273, 113976	5	19
211	Effect of pH on the static adsorption of foaming surfactants on Malaysian sandstone. <i>Arabian Journal of Geosciences</i> , 2015 , 8, 8539-8548	1.8	18
210	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	2.3	18
209	Design, synthesis, antibacterial activity and docking study of some new trimethoprim derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 5749-5753	2.9	18
208	Evaluation of Antioxidant and Cytotoxicity Studies of <i>Clerodendrum inerme</i> . <i>Asian Journal of Chemistry</i> , 2013 , 25, 7457-7462	0.4	18
207	Post-functionalization of polymeric mesoporous C@Zn core-shell spheres used for methyl ester production. <i>Renewable Energy</i> , 2016 , 99, 1235-1243	8.1	17
206	Synthesis biological screening and molecular docking studies of some tin (IV) Schiff base adducts. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016 , 164, 65-72	6.7	17

205	Development and Characterization of Polypropylene Waste from Personal Protective Equipment (PPE)-Derived Char-Filled Sugar Palm Starch Biocomposite Briquettes. <i>Polymers</i> , 2021 , 13,	4.5	17
204	Synthesis, pharmacological evaluation and docking studies of progesterone and testosterone derivatives as anticancer agents. <i>Steroids</i> , 2018 , 136, 22-31	2.8	17
203	Biodiesel Production Through Chemical and Biochemical Transesterification 2017 , 465-485		16
202	Synthesis of MnO-NiO-SO ₄ /ZrO ₂ solid acid catalyst for methyl ester production from palm fatty acid distillate. <i>Energy Conversion and Management</i> , 2017 , 139, 166-174	10.6	16
201	Fundamentals and recent progress relating to the fabrication, functionalization and characterization of mesostructured materials using diverse synthetic methodologies.. <i>RSC Advances</i> , 2020 , 10, 16431-16456	3.7	16
200	Heterogeneous catalysis of transesterification of jatropha curcas oil over calcium/mercury bimetallic oxide catalyst. <i>RSC Advances</i> , 2014 , 4, 48836-48847	3.7	16
199	Transesterification reaction for synthesis of palm-based ethylhexyl ester and formulation as base oil for synthetic drilling fluid. <i>Journal of Oleo Science</i> , 2014 , 63, 497-506	1.6	16
198	Fatty acids of <i>Thespesia populnea</i> : Mass spectrometry of picolinyl esters of cyclopropene fatty acids. <i>European Journal of Lipid Science and Technology</i> , 2011 , 113, 980-984	3	16
197	Treating Hyperglycemia From M. Bieb: - α -Glucosidase, Antioxidant, Antidiabetic and Molecular Docking-Based Approaches. <i>Frontiers in Chemistry</i> , 2020 , 8, 558641	5	16
196	Characterization of a newly isolated cyanobacterium <i>Plectonema terebrans</i> for biotransformation of the wastewater-derived nutrients to biofuel and high-value bioproducts. <i>Journal of Water Process Engineering</i> , 2021 , 39, 101702	6.7	16
195	Adsorptive removal of COD from produced water using tea waste biochar. <i>Environmental Technology and Innovation</i> , 2021 , 23, 101563	7	16
194	Design, synthesis and anti-bacterial studies of piperazine derivatives against drug resistant bacteria. <i>European Journal of Medicinal Chemistry</i> , 2019 , 166, 224-231	6.8	15
193	Esterification of Palm Fatty Acid Distillate for Biodiesel Production Catalyzed by Synthesized Kenaf Seed Cake-Based Sulfonated Catalyst. <i>Catalysts</i> , 2019 , 9, 482	4	15
192	Comparative Cholinesterase, α -Glucosidase Inhibitory, Antioxidant, Molecular Docking, and Kinetic Studies on Potent Succinimide Derivatives. <i>Drug Design, Development and Therapy</i> , 2020 , 14, 2165-2178	4.4	15
191	UHPLC-QTOF-MS/MS based phytochemical characterization and anti-hyperglycemic prospective of hydro-ethanolic leaf extract of <i>Butea monosperma</i> . <i>Scientific Reports</i> , 2020 , 10, 3530	4.9	15
190	Physicochemical and Antioxidant Characteristics of Kapok (<i>Ceiba pentandra</i> Gaertn.) Seed Oil. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2014 , 91, 1047-1054	1.8	15
189	Epoxidation of methyl esters derived from <i>Jatropha</i> oil: An optimization study. <i>Grasas Y Aceites</i> , 2013 , 64, 103-114	1.3	15
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