Ts Umer Rashid

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/585968/publications.pdf

Version: 2024-02-01

344	12,370	25034	43889
papers	citations	57	91
		h-index	g-index

350	350	350	10811
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Low-cost novel nano-constructed granite composites for removal of hazardous Terasil dye from wastewater. Environmental Science and Pollution Research, 2023, 30, 81333-81351.	5.3	4
2	Synthesis of magnetic basic palm kernel shell catalyst for biodiesel production and characterisation and optimisation by Taguchi method. Applied Nanoscience (Switzerland), 2022, 12, 3721-3733.	3.1	4
3	Optimization of nutrients removal from synthetic greywater by low-cost activated carbon: application of Taguchi method and response surface methodology. Toxin Reviews, 2022, 41, 506-515.	3.4	1
4	Potential heterogeneous nano-catalyst via integrating hydrothermal carbonization for biodiesel production using waste cooking oil. Chemosphere, 2022, 286, 131913.	8.2	30
5	Pyrolysis of polypropylene plastic waste into carbonaceous char: Priority of plastic waste management amidst COVID-19 pandemic. Science of the Total Environment, 2022, 803, 149911.	8.0	104
6	Functional novel ligand based palladium(II) separation and recovery from e-waste using solvent-ligand approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 632, 127767.	4.7	29
7	Wind energy and its harnessing systems. , 2022, , 263-323.		1
8	Geothermal energy production. , 2022, , 431-553.		0
9	Nonrenewable energy resources. , 2022, , 31-111.		6
10	Hydropower energy generating systems. , 2022, , 325-357.		2
11	Renewable energy from biomass. , 2022, , 555-603.		0
12	Energy resources and utilization. , 2022, , 1-30.		3
13	Solar thermal energy and photovoltaic systems. , 2022, , 171-261.		4
14	Hybrid energy and transmission systems. , 2022, , 659-672.		0
15	Future energy options: an overview. , 2022, , 113-169.		0
16	Power generation by ocean energy. , 2022, , 359-430.		1
17	Energy and global environment. , 2022, , 673-753.		0
18	Hydrogen and fuel cells. , 2022, , 605-657.		0

#	Article	IF	Citations
19	Antioxidant and Cytotoxic Activity of a New Ferruginan A from Olea ferruginea: In Vitro and In Silico Studies. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-7.	4.0	3
20	Heating effect on quality characteristics of mixed canola cooking oils. BMC Chemistry, 2022, 16, 3.	3.8	11
21	Antioxidant Molecules Isolated from Edible Prostrate Knotweed: Rational Derivatization to Produce More Potent Molecules. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-15.	4.0	22
22	Waste Feedstocks for Biodiesel Production. , 2022, , 151-166.		0
23	Design, Synthesis, and Bioevaluation of Indole Core Containing 2-Arylidine Derivatives of Thiazolopyrimidine as Multitarget Inhibitors of Cholinesterases and Monoamine Oxidase A/B for the Treatment of Alzheimer Disease. ACS Omega, 2022, 7, 9369-9379.	3.5	16
24	Lewatit-immobilized lipase from Bacillus pumilus as a new catalyst for biodiesel production from tallow: Response surface optimization, fuel properties and exhaust emissions. Chemical Engineering Research and Design, 2022, 160, 286-296.	5.6	6
25	Rational design, synthesis, antiproliferative activity against MCF-7, MDA-MB-231 cells, estrogen receptors binding affinity, and computational study of indenopyrimidine-2,5-dione analogs for the treatment of breast cancer. Bioorganic and Medicinal Chemistry Letters, 2022, 64, 128668.	2.2	8
26	Biodiesel production from waste cooking oil using magnetic bifunctional calcium and iron oxide nanocatalysts derived from empty fruit bunch. Fuel, 2022, 317, 123525.	6.4	30
27	In Vivo Anti-Inflammatory, Analgesic, Sedative, Muscle Relaxant Activities and Molecular Docking Analysis of Phytochemicals from Euphorbia pulcherrima. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-9.	1.2	4
28	Evaluation of Contemporary Computational Techniques to Optimize Adsorption Process for Simultaneous Removal of COD and TOC in Wastewater. Adsorption Science and Technology, 2022, 2022, .	3.2	5
29	Palm fatty acid distillate esterification using synthesized heterogeneous sulfonated carbon catalyst from plastic waste: Characterization, catalytic efficacy and stability, and fuel properties. Chemical Engineering Research and Design, 2022, 162, 1139-1151.	5.6	14
30	In Silico Screening of Synthetic and Natural Compounds to Inhibit the Binding Capacity of Heavy Metal Compounds against EGFR Protein of Lung Cancer. BioMed Research International, 2022, 2022, 1-12.	1.9	2
31	Role of activated carbon for metal-free catalysts. , 2022, , 137-150.		0
32	In Vivo and In Vitro Biological Evaluation and Molecular Docking Studies of Compounds Isolated from Micromeria biflora (Buch. Ham. ex D.Don) Benth. Molecules, 2022, 27, 3377.	3.8	2
33	3-(((1S,3S)-3-((R)-Hydroxy(4-(trifluoromethyl)phenyl)methyl)-4-oxocyclohexyl)methyl)pentane-2,4-dione: Design and Synthesis of New Stereopure Multi-Target Antidiabetic Agent. Molecules, 2022, 27, 3265.	3.8	18
34	Fabrication of Novel Agrowaste (Banana and Potato Peels)-Based Biochar/TiO2 Nanocomposite for Adsorption of Cr(VI), Statistical Optimization via RSM Approach. Polymers, 2022, 14, 2644.	4.5	3
35	Anti-Inflammatory Potentials of Î²-Ketoester Derivatives of N-Ary Succinimides: In Vitro, In Vivo, and Molecular Docking Studies. Journal of Chemistry, 2022, 2022, 1-11.	1.9	8
36	Density functional theory, molecular docking and inÂvivo muscle relaxant, sedative, and analgesic studies of indanone derivatives isolated from Heterophragma adenophyllum. Journal of Biomolecular Structure and Dynamics, 2021, 39, 6488-6499.	3.5	3

#	Article	IF	Citations
37	Exploring the ability of dihydropyrimidine-5-carboxamide and 5-benzyl-2,4-diaminopyrimidine-based analogues for the selective inhibition of L.Âmajor dihydrofolate reductase. European Journal of Medicinal Chemistry, 2021, 210, 112986.	5.5	22
38	Novel vaccine design based on genomics data analysis: A review. Scandinavian Journal of Immunology, 2021, 93, e12986.	2.7	5
39	Bifunctional nano-catalyst produced from palm kernel shell via hydrothermal-assisted carbonization for biodiesel production from waste cooking oil. Renewable and Sustainable Energy Reviews, 2021, 137, 110638.	16.4	48
40	Synthesis and characterization of bifunctional magnetic nano-catalyst from rice husk for production of biodiesel. Environmental Technology and Innovation, 2021, 21, 101296.	6.1	46
41	Effect of pretreatment conditions on the chemicalâ€“structural characteristics of coconut and palm kernel shell: A potentially valuable precursor for eco-efficient activated carbon production. Environmental Technology and Innovation, 2021, 21, 101309.	6.1	14
42	Exploring untapped effect of process conditions on biochar characteristics and applications. Environmental Technology and Innovation, 2021, 21, 101310.	6.1	34
43	Characterization of a newly isolated cyanobacterium Plectonema terebrans for biotransformation of the wastewater-derived nutrients to biofuel and high-value bioproducts. Journal of Water Process Engineering, 2021, 39, 101702.	5.6	31
44	Potential of advanced photocatalytic technology for biodiesel production from waste oil. , 2021, , 49-76.		3
45	Nanobiocatalysts for Biodiesel Synthesis through Transesterificationâ€”A Review. Catalysts, 2021, 11, 171.	3.5	19
46	Advances in Valorization of Lignocellulosic Biomass towards Energy Generation. Catalysts, 2021, 11, 309.	3.5	67
47	Properties and molecular structure of carbon quantum dots derived from empty fruit bunch biochar using a facile microwave-assisted method for the detection of Cu2+ ions. Optical Materials, 2021, 112, 110801.	3.6	23
48	Synthesis of Michael Adducts as Key Building Blocks for Potential Analgesic Drugs: In vitro, in vivo and in silico Explorations. Drug Design, Development and Therapy, 2021, Volume 15, 1299-1313.	4.3	21
49	Porosity Estimation of Mesoporous TiO 2 â€ZnO Nanocrystalline by Artificial Neural Network Modeling. Chemical Engineering and Technology, 2021, 44, 1058-1074.	1.5	2
50	Synthesis, pharmacological evaluation and Molecular modelling studies of pregnenolone derivatives as inhibitors of human dihydrofolate reductase. Steroids, 2021, 168, 108801.	1.8	13
51	Inhibition Profiling of Urease and Carbonic Anhydrase II by High- Throughput Screening and Molecular Docking Studies of Structurally Diverse Organic Compounds. Letters in Drug Design and Discovery, 2021, 18, 299-312.	0.7	3
52	Development and Characterization of Polypropylene Waste from Personal Protective Equipment (PPE)-Derived Char-Filled Sugar Palm Starch Biocomposite Briquettes. Polymers, 2021, 13, 1707.	4.5	30
53	Phytochemical profiling of bioactive compounds, anti-inflammatory and analgesic potentials of Habenaria digitata Lindl.: Molecular docking based synergistic effect of the identified compounds. Journal of Ethnopharmacology, 2021, 273, 113976.	4.1	43
54	The In Vitro Î±-Glucosidase Inhibition Activity of Various Solvent Fractions of Tamarix dioica and 1H-NMR Based Metabolite Identification and Molecular Docking Analysis. Plants, 2021, 10, 1128.	3.5	6

#	Article	IF	Citations
55	In Vivo and In Silico Studies of Flavonoids Isolated from Pistacia integerrima as Potential Antidiarrheal Agents. ACS Omega, 2021, 6, 15617-15624.	3.5	10
56	Isolation, Biological Evaluation, and Molecular Docking Studies of Compounds from Sophora mollis (Royle) Graham Ex Baker. ACS Omega, 2021, 6, 15911-15919.	3.5	6
57	Mechanistic evaluation of a novel cyclohexenone derivativeâ€™s functionality against nociception and inflammation: An in-vitro, in-vivo and in-silico approach. European Journal of Pharmacology, 2021, 902, 174091.	3.5	18
58	A Novel Route of Mixed Catalysis for Production of Fatty Acid Methyl Esters from Potential Seed Oil Sources. Catalysts, 2021, 11, 811.	3.5	9
59	Role of Persistent Organic Pollutants in Breast Cancer Progression and Identification of Estrogen Receptor Alpha Inhibitors Using In-Silico Mining and Drug-Drug Interaction Network Approaches. Biology, 2021, 10, 681.	2.8	4
60	Docking-based virtual screening and identification of potential COVID-19 main protease inhibitors from brown algae. South African Journal of Botany, 2021, 143, 428-434.	2.5	10
61	Tailoring the substitution pattern of Pyrrolidine-2,5-dione for discovery of new structural template for dual COX/LOX inhibition. Bioorganic Chemistry, 2021, 112, 104969.	4.1	40
62	Adsorptive removal of COD from produced water using tea waste biochar. Environmental Technology and Innovation, 2021, 23, 101563.	6.1	35
63	Synthesis of Indoles via Intermolecular and Intramolecular Cyclization by Using Palladium-Based Catalysts. Catalysts, 2021, 11, 1018.	3.5	17
64	Sedative-hypnotic effect and in silico study of dinaphthodiospyrols isolated from Diospyros lotus Linn. Biomedicine and Pharmacotherapy, 2021, 140, 111745.	5.6	3
65	Advances in physiochemical and biotechnological approaches for sustainable metal recovery from e-waste: A critical review. Journal of Cleaner Production, 2021, 323, 129015.	9.3	50
66	Trends in Widely Used Catalysts for Fatty Acid Methyl Esters (FAME) Production: A Review. Catalysts, 2021, 11, 1085.	3.5	28
67	A magnetically separable acid-functionalized nanocatalyst for biodiesel production. Fuel, 2021, 305, 121576.	6.4	25
68	In Vivo Antinociceptive, Muscle Relaxant, Sedative, and Molecular Docking Studies of Peshawaraquinone Isolated from Fernandoa adenophylla (Wall. ex G. Don) Steenis. ACS Omega, 2021, 6, 996-1002.	3.5	16
69	Antidiabetic Activity of Ficusonolide, a Triterpene Lactone from Ficus foveolata (Wall. ex Miq.): In Vitro, In Vivo, and In Silico Approaches. ACS Omega, 2021, 6, 27351-27357.	3.5	5
70	Fluoxetine and sertraline based multitarget inhibitors of cholinesterases and monoamine oxidase-A/B for the treatment of Alzheimer's disease: Synthesis, pharmacology and molecular modeling studies. International Journal of Biological Macromolecules, 2021, 193, 19-26.	7.5	12
71	Neuroprotective potentials of selected natural edible oils using enzyme inhibitory, kinetic and simulation approaches. BMC Complementary Medicine and Therapies, 2021, 21, 248.	2.7	9
72	Structural Modification, In Vitro, In Vivo, Ex Vivo, and In Silico Exploration of Pyrimidine and Pyrrolidine Cores for Targeting Enzymes Associated with Neuroinflammation and Cholinergic Deficit in Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2021, 12, 4123-4143.	3.5	35

#	Article	IF	Citations
73	Bifunctional biomass-based catalyst for biodiesel production via hydrothermal carbonization (HTC) pretreatment â€“ Synthesis, characterization and optimization. Chemical Engineering Research and Design, 2021, 156, 219-230.	5.6	10
74	Green photosensitisers for the degradation of selected pesticides of high risk in most susceptible food: A safer approach. PLoS ONE, 2021, 16, e0258864.	2.5	1
75	Crude extract and isolated bioactive compounds from Notholirion thomsonianum (Royale) Stapf as multitargets antidiabetic agents: in-vitro and molecular docking approaches. BMC Complementary Medicine and Therapies, 2021, 21, 270.	2.7	17
76	Optimization of Micro-Pollutantsâ€™ Removal from Wastewater Using Agricultural Waste-Derived Sustainable Adsorbent. International Journal of Environmental Research and Public Health, 2021, 18, 11506.	2.6	7
77	Production and Evaluation of Fractionated Tamarind Seed Oil Methyl Esters as a New Source of Biodiesel. Energies, 2021, 14, 7148.	3.1	4
78	Efficient Adsorption of Lead Ions from Synthetic Wastewater Using Agrowaste-Based Mixed Biomass (Potato Peels and Banana Peels). Water (Switzerland), 2021, 13, 3344.	2.7	6
79	Conversion of Waste Polyethylene Terephthalate (PET) Polymer into Activated Carbon and Its Feasibility to Produce Green Fuel. Polymers, 2021, 13, 3952.	4.5	18
80	Seasonal Variation, Fractional Isolation and Nanoencapsulation of Antioxidant Compounds of Indian Blackberry (Syzygium cumini). Antioxidants, 2021, 10, 1900.	5.1	0
81	A Novel Heterogeneous Superoxide Support-Coated Catalyst for Production of Biodiesel from Roasted and Unroasted Sinapis arvensis Seed Oil. Catalysts, 2021, 11, 1421.	3.5	4
82	A Novel Combined Treatment Process of Hybrid Biosorbentâ€“Nanofiltration for Effective Pb(II) Removal from Wastewater. Water (Switzerland), 2021, 13, 3316.	2.7	5
83	Production of Biodiesel from Spirogyra elongata, a Common Freshwater Green Algae with High Oil Content. Sustainability, 2021, 13, 12737.	3.2	5
84	Fabrication of Highly Microporous Structure Activated Carbon via Surface Modification with Sodium Hydroxide. Polymers, 2021, 13, 3954.	4.5	17
85	Comprehensive Comparison of Hetero-Homogeneous Catalysts for Fatty Acid Methyl Ester Production from Non-Edible Jatropha curcas Oil. Catalysts, 2021, 11, 1420.	3.5	7
86	N-Arylation of Protected and Unprotected 5-Bromo-2-aminobenzimidazole as Organic Material: Non-Linear Optical (NLO) Properties and Structural Feature Determination through Computational Approach. Molecules, 2021, 26, 6920.	3.8	8
87	Low-Temperature Thermal Degradation of Disinfected COVID-19 Non-Woven Polypropyleneâ€”Based Isolation Gown Wastes into Carbonaceous Char. Polymers, 2021, 13, 3980.	4.5	17
88	Application of activated carbon from banana stem waste for removal of heavy metal ions in greywater using a Boxâ€“Behnken design approach. Environmental Technology (United Kingdom), 2020, 41, 3363-3374.	2.2	9
89	Optimization of Activated Carbon Monolith Co3O4-Based Catalyst for Simultaneous SO2/NOx Removal from Flue Gas Using Response Surface Methodology. Combustion Science and Technology, 2020, 192, 786-803.	2.3	6
90	Design, synthesis, in-vitro, in-vivo and in-silico studies of pyrrolidine-2,5-dione derivatives as multitarget anti-inflammatoryÂagents. European Journal of Medicinal Chemistry, 2020, 186, 111863.	5.5	95

#	Article	IF	Citations
91	Preparation of Na2O supported CNTs nanocatalyst for efficient biodiesel production from waste-oil. Energy Conversion and Management, 2020, 205, 112445.	9.2	86
92	Valorization of solid waste biomass by inoculation for the enhanced yield of biogas. Clean Technologies and Environmental Policy, 2020, 22, 513-522.	4.1	54
93	Fe3O4-PDA-Lipase as Surface Functionalized Nano Biocatalyst for the Production of Biodiesel Using Waste Cooking Oil as Feedstock: Characterization and Process Optimization. Energies, 2020, 13, 177.	3.1	70
94	Core-shell ZnO-TiO2 hollow spheres synthesized by in-situ hydrothermal method for ester production application. Renewable Energy, 2020, 151, 1076-1081.	8.9	26
95	Monolith Metal-Oxide-Supported Catalysts: Sorbent for Environmental Application. Catalysts, 2020, 10, 1018.	3.5	2
96	Synthesis, in-vitro, in-vivo anti-inflammatory activities and molecular docking studies of acyl and salicylic acid hydrazide derivatives. Bioorganic Chemistry, 2020, 104, 104168.	4.1	48
97	PEG-assisted microwave hydrothermal growth of spherical mesoporous Zn-based mixed metal oxide nanocrystalline: Ester production application. Fuel, 2020, 279, 118489.	6.4	10
98	Synthesis, single-crystal X-ray diffraction, and in vitro biological evaluation of sodium, cobalt, and tin complexes of o-nitro-/o-methoxyphenylacetic acid: experimental and theoretical investigation. Monatshefte FÃ¼r Chemie, 2020, 151, 1727-1736.	1.8	4
99	An acceleration of microwave-assisted transesterification of palm oil-based methyl ester into trimethylolpropane ester. Scientific Reports, 2020, 10, 19652.	3.3	14
100	Production of biodiesel over waste seashell-derived active and stable extrudate catalysts in a fixed-bed reactor. Environmental Technology and Innovation, 2020, 20, 101051.	6.1	17
101	Synthesis of bifunctional nanocatalyst from waste palm kernel shell and its application for biodiesel production. RSC Advances, 2020, 10, 27183-27193.	3.6	24
102	Utilization of Nano and Micro Particles to Enhance Drilling Mud Rheology. Materials Science Forum, 2020, 1002, 435-447.	0.3	1
103	Treating Hyperglycemia From Eryngium caeruleum M. Bieb: In-vitro Î±-Glucosidase, Antioxidant, in-vivo Antidiabetic and Molecular Docking-Based Approaches. Frontiers in Chemistry, 2020, 8, 558641.	3.6	45
104	Photocatalysis for Organic Wastewater Treatment: From the Basis to Current Challenges for Society. Catalysts, 2020, 10, 1260.	3.5	82
105	Evaluation of Cholinesterase Inhibitory Potential of Different Genotypes of Ziziphus nummularia, Their HPLC-UV, and Molecular Docking Analysis. Molecules, 2020, 25, 5011.	3.8	14
106	Spirogyra Oil-Based Biodiesel: Response Surface Optimization of Chemical and Enzymatic Transesterification and Exhaust Emission Behavior. Catalysts, 2020, 10, 1214.	3.5	5
107	Influence of metallic species for efficient photocatalytic water disinfection: bactericidal mechanism of in vitro results using docking simulation. Environmental Science and Pollution Research, 2020, 27, 39819-39831.	5.3	15
108	Optimization and blends study of heterogeneous acid catalyst-assisted esterification of palm oil industry by-product for biodiesel production. Royal Society Open Science, 2020, 7, 191592.	2.4	5

#	Article	IF	Citations
109	Response Surface Methodology Approach for Optimized Biodiesel Production from Waste Chicken Fat Oil. Catalysts, 2020, 10, 633.	3.5	20
110	Kinetics and thermodynamics of synthesis of palm oil-based trimethylolpropane triester using microwave irradiation. Journal of Saudi Chemical Society, 2020, 24, 552-566.	5.2	11
111	SAR based in-vitro anticholinesterase and molecular docking studies of nitrogenous progesterone derivatives. Steroids, 2020, 158, 108599.	1.8	13
112	Supermagnetic Nano-Bifunctional Catalyst from Rice Husk: Synthesis, Characterization and Application for Conversion of Used Cooking Oil to Biodiesel. Catalysts, 2020, 10, 225.	3.5	43
113	Anti-inflammatory, Antibacterial, Toxicological Profile, andIn SilicoStudies of Dimeric Naphthoquinones fromDiospyros lotus. BioMed Research International, 2020, 2020, 1-10.	1.9	19
114	Comparative Cholinesterase, Î±-Glucosidase Inhibitory, Antioxidant, Molecular Docking, and Kinetic Studies on Potent Succinimide Derivatives . Drug Design, Development and Therapy, 2020, Volume 14, 2165-2178.	4.3	30
115	Study the Effect of Various Sulfonation Methods on Catalytic Activity of Carbohydrate-Derived Catalysts for Ester Production. Catalysts, 2020, 10, 638.	3.5	9
116	High Vacuum Fractional Distillation (HVFD) Approach for Quality and Performance Improvement of Azadirachta indica Biodiesel. Energies, 2020, 13, 2858.	3.1	3
117	UHPLC-QTOF-MS/MS metabolites profiling and antioxidant/antidiabetic attributes of Cuscuta reflexa grown on Casearia tomentosa: exploring phytochemicals role via molecular docking. International Journal of Food Properties, 2020, 23, 918-940.	3.0	18
118	Green Synthesis of Biodiesel Using Microbial Lipases. Nanotechnology in the Life Sciences, 2020, , 407-433.	0.6	2
119	Mesoporous Acidic Catalysts Synthesis from Dual-Stage and Rising Co-Current Gasification Char: Application for FAME Production from Waste Cooking Oil. Materials, 2020, 13, 871.	2.9	2
120	Synthesis of Lipase-Immobilized CeO2 Nanorods as Heterogeneous Nano-Biocatalyst for Optimized Biodiesel Production from Eruca sativa Seed Oil. Catalysts, 2020, 10, 231.	3.5	23
121	UHPLC-QTOF-MS/MS based phytochemical characterization and anti-hyperglycemic prospective of hydro-ethanolic leaf extract of Butea monosperma. Scientific Reports, 2020, 10, 3530.	3.3	35
122	Synthesis of nanomagnetic sulphonated impregnated Ni/Mn/Na₂SiO₃ as catalyst for esterification of palm fatty acid distillate. RSC Advances, 2020, 10, 6098-6108.	3.6	17
123	Recent progress in the design and synthesis of nanofibers with diverse synthetic methodologies: characterization and potential applications. New Journal of Chemistry, 2020, 44, 9581-9606.	2.8	40
124	Palladium and Copper Catalyzed Sonogashira cross Coupling an Excellent Methodology for C-C Bond Formation over 17 Years: A Review. Catalysts, 2020, 10, 443.	3.5	91
125	Synthesis of reusable biobased nano-catalyst from waste sugarcane bagasse for biodiesel production. Environmental Technology and Innovation, 2020, 18, 100788.	6.1	37
126	The implementation of artificial neural networks for the multivariable optimization of mesoporous NiO nanocrystalline: biodiesel application. RSC Advances, 2020, 10, 13302-13315.	3.6	7

#	Article	IF	Citations
127	Fundamentals and recent progress relating to the fabrication, functionalization and characterization of mesostructured materials using diverse synthetic methodologies. RSC Advances, 2020, 10, 16431-16456.	3.6	21
128	Optimization the Process of Chemically Modified Carbon Nanofiber Coated Monolith via Response Surface Methodology for CO2 Capture. Materials, 2020, 13, 1775.	2.9	6
129	Chemical Composition, Oxidative Stability, and Antioxidant Activity of Allium ampeloprasum L. (Wild Leek) Seed Oil. Journal of Oleo Science, 2020, 69, 413-421.	1.4	8
130	Antidiabetic functionality of Vitex negundo L. leaves based on UHPLC-QTOF-MS/MS based bioactives profiling and molecular docking insights. Industrial Crops and Products, 2020, 152, 112445.	5.2	27
131	High Oleic Pentaerythritol Tetraester Formation via Transesterification: Effect of Reaction Conditions. Indonesian Journal of Chemistry, 2020, 20, 887.	0.8	3
132	Refining micropore capacity of activated carbon derived from coconut shell via deashing post-treatment. BioResources, 2020, 15, 7749-7769.	1.0	6
133	Carbonaceous materials modified catalysts for simultaneous SO₂/NO_xremoval from flue gas: A review. Catalysis Reviews - Science and Engineering, 2019, 61, 134-161.	12.9	61
134	Modeling of the nanocrystalline-sized mesoporous zinc oxide catalyst using an artificial neural network for efficient biodiesel production. Chemical Engineering Communications, 2019, 206, 33-47.	2.6	9
135	Esterification of palm fatty acid distillate (PFAD) to biodiesel using Bi-functional catalyst synthesized from waste angel wing shell (Cyrtopleura costata). Renewable Energy, 2019, 131, 187-196.	8.9	47
136	Editorial: Waste Biorefineries: Future Energy, Green Products and Waste Treatment. Frontiers in Energy Research, 2019, 7, .	2.3	24
137	Synthesis, in-vitro Î±-glucosidase inhibition, antioxidant, in-vivo antidiabetic and molecular docking studies of pyrrolidine-2,5-dione and thiazolidine-2,4-dione derivatives. Bioorganic Chemistry, 2019, 91, 103128.	4.1	79
138	Role of Pyridine Nitrogen in Palladium-Catalyzed Imine Hydrolysis: A Case Study of (E)-1-(3-bromothiophen-2-yl)-N-(4-methylpyridin-2-yl)methanimine. Molecules, 2019, 24, 2609.	3.8	18
139	Pyrolysis and Thermogravimetric Study to Elucidate the Bioenergy Potential of Novel Feedstock Produced on Poor Soils While Keeping the Environmental Sustainability Intact. Sustainability, 2019, 11, 3592.	3.2	20
140	2,5-Disubstituted thiadiazoles as potent Î²-glucuronidase inhibitors; Synthesis, in vitro and in silico studies. Bioorganic Chemistry, 2019, 91, 103126.	4.1	12
141	Single-Pot Synthesis of Biodiesel using Efficient Sulfonated-Derived Tea Waste-Heterogeneous Catalyst. Materials, 2019, 12, 2293.	2.9	33
142	Effect of molecular structure on oxidative degradation of ester based transformer oil. Tribology International, 2019, 140, 105852.	5.9	29
143	Waste Biomass Utilization for Value-added Green Products. Current Organic Chemistry, 2019, 23, 1497-1498.	1.6	9
144	Synthesis, in-vitro cholinesterase inhibition, in-vivo anticonvulsant activity and in-silico exploration of N-(4-methylpyridin-2-yl)thiophene-2-carboxamide analogs. Bioorganic Chemistry, 2019, 92, 103216.	4.1	41

#	Article	IF	Citations
145	Calotropis procera: UHPLC-QTOF-MS/MS based profiling of bioactives, antioxidant and anti-diabetic potential of leaf extracts and an insight into molecular docking. Journal of Food Measurement and Characterization, 2019, 13, 3206-3220.	3.2	26
146	Solvent-free catalytic deoxygenation of palm fatty acid distillate over cobalt and manganese supported on activated carbon originating from waste coconut shell. Journal of Analytical and Applied Pyrolysis, 2019, 144, 104690.	5.5	50
147	Isolation of dihydrobenzofuran derivatives from ethnomedicinal species Polygonum barbatum as anticancer compounds. Biological Research, 2019, 52, 1.	3.4	79
148	Design, synthesis and anti-bacterial studies of piperazine derivatives against drug resistant bacteria. European Journal of Medicinal Chemistry, 2019, 166, 224-231.	5.5	31
149	Synthesis and Reactivities of Triphenyl Acetamide Analogs for Potential Nonlinear Optical Material Uses. Symmetry, 2019, 11, 622.	2.2	9
150	Esterification of Palm Fatty Acid Distillate for Biodiesel Production Catalyzed by Synthesized Kenaf Seed Cake-Based Sulfonated Catalyst. Catalysts, 2019, 9, 482.	3.5	24
151	Synthesis of carbonaceous solid acid magnetic catalyst from empty fruit bunch for esterification of palm fatty acid distillate (PFAD). Energy Conversion and Management, 2019, 195, 480-491.	9.2	43
152	A Review on Thermal Conversion of Plant Oil (Edible and Inedible) into Green Fuel Using Carbon-Based Nanocatalyst. Catalysts, 2019, 9, 350.	3.5	62
153	Valorization of Waste Date Seeds for Green Carbon Catalysts and Biodiesel Synthesis. Sustainable Agriculture Reviews, 2019, , 105-123.	1.1	1
154	Differential functional theory and molecular docking studies of newly synthesized carbamates. Journal of the Chinese Chemical Society, 2019, 66, 1408-1415.	1.4	4
155	Regeneration/Optimization of Activated Carbon Monolith in Simultaneous SO₂/NO_x Removal from Flue Gas. Chemical Engineering and Technology, 2019, 42, 1928-1940.	1.5	8
156	Effects of Molecular Structure on the Physical, Chemical, and Electrical Properties of Esterâ€Based Transformer Insulating Liquids. JAOCS, Journal of the American Oil Chemists' Society, 2019, 96, 607-616.	1.9	16
157	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
158	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
159	Characterization of bioadsorbent produced using incorporated treatment of chemical and carbonization procedures. Royal Society Open Science, 2019, 6, 190667.	2.4	14
160	Pharmacological Evaluation of Aldehydic-Pyrrolidinedione Against HCT-116, MDA-MB231, NIH/3T3, MCF-7 Cancer Cell Lines, Antioxidant and Enzyme Inhibition Studies . Drug Design, Development and Therapy, 2019, Volume 13, 4185-4194.	4.3	27
161	Theoretical and Experimental in vitro Antifungal and Antitumor Activities of Organotin(IV) Derivatives of 3-(4-nitrophenyl)-2-methylacrylic acid. Pharmaceutical Chemistry Journal, 2019, 53, 689-696.	0.8	6
162	Palm Biochar-Based Sulphated Zirconium (Zr-AC-HSO3) Catalyst for Methyl Ester Production from Palm Fatty Acid Distillate. Catalysts, 2019, 9, 1029.	3.5	10

#	Article	IF	Citations
163	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
164	Synthesis and characterization of sulfonated mesoporous NiOâ€"ICG coreâ€"shell solid sphere catalyst with superior capability for methyl ester production. RSC Advances, 2019, 9, 31306-31315.	3.6	13
165	Esterification of palm fatty acid distillate using sulfonated carbon-based catalyst derived from palm kernel shell and bamboo. Energy Conversion and Management, 2019, 181, 562-570.	9.2	107
166	Effects of polyvinylpyrrolidone on structural and optical properties of willemite semiconductor nanoparticles by polymer thermal treatment method. Journal of Thermal Analysis and Calorimetry, 2019, 136, 2249-2268.	3.6	46
167	Design, synthesis and bioevaluation of tricyclic fused ring system as dual binding site acetylcholinesterase inhibitors. Bioorganic Chemistry, 2019, 83, 336-347.	4.1	72
168	Appraisal of Biodiesel Prepared Via Acid Catalysis from Palm Fatty Acid Distillate. Iranian Journal of Science and Technology, Transaction A: Science, 2019, 43, 2205-2210.	1.5	3
169	Significant Seed Oil Feedstocks for Renewable Production of Biodiesel: A Review. Current Organic Chemistry, 2019, 23, 1509-1516.	1.6	6
170	Metabolite profiling of Cycas revoluta leaf extract and docking studies on alpha-glucosidase inhibitory molecular targets by phytochemicals. Pakistan Journal of Pharmaceutical Sciences, 2019, 32, 871-874.	0.2	3
171	Chemical Composition of Date Palm (Phoenix dactylifera L.) Seed Oil from Six Saudi Arabian Cultivars. Journal of Food Science, 2018, 83, 624-630.	3.1	56
172	Exhaust emission profiling of fatty acid methyl esters and NOx control studies using selective synthetic and natural additives. Clean Technologies and Environmental Policy, 2018, 20, 589-601.	4.1	9
173	Amino acid conjugated antimicrobial drugs: Synthesis, lipophilicity- activity relationship, antibacterial and urease inhibition activity. European Journal of Medicinal Chemistry, 2018, 145, 140-153.	5.5	42
174	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. Energy Conversion and Management, 2018, 158, 186-192.	9.2	31
175	Current scenario of catalysts for biodiesel production: a critical review. Reviews in Chemical Engineering, 2018, 34, 267-297.	4.4	63
176	Yucca aloifolia Seed Oil: A New Source of Bioactive Compounds. Waste and Biomass Valorization, 2018, 9, 1087-1093.	3.4	11
177	Efficient waste Gallus domesticus shell derived calcium-based catalyst for biodiesel production. Fuel, 2018, 211, 67-75.	6.4	60
178	Waste to biodiesel: A preliminary assessment for Saudi Arabia. Bioresource Technology, 2018, 250, 17-25.	9.6	95
179	Modified waste egg shell derived bifunctional catalyst for biodiesel production from high FFA waste cooking oil. A review. Renewable and Sustainable Energy Reviews, 2018, 82, 3645-3655.	16.4	159
180	Production of bioadsorbent from phosphoric acid pretreated palm kernel shell and coconut shell by two-stage continuous physical activation via N ₂ and air. Royal Society Open Science, 2018, 5, 180775.	2.4	29

#	Article	IF	Citations
181	Synthesis of 3,4-Biaryl-2,5-Dichlorothiophene through Suzuki Cross-Coupling and Theoretical Exploration of Their Potential Applications as Nonlinear Optical Materials. Symmetry, 2018, 10, 766.	2.2	10
182	CO2 foam for enhanced oil recovery (EOR) applications using low adsorption surfactant structure. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	15
183	Activated carbon monolith Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e590" altimg="si4.gif"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e598" altimg="si64.gif"><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:math> based catalyst: Synthesis,	6.1	11
184	Metal oxide catalysts for biodiesel production. , 2018, , 303-319.		15
185	Synthesis of bimetallic gold-pallidum loaded on carbon as efficient catalysts for the oxidation of benzyl alcohol into benzaldehyde. Journal of Molecular Liquids, 2018, 271, 885-891.	4.9	54
186	Breakthrough studies of Co3O4 supported activated carbon monolith for simultaneous SO2/NO removal from flue gas. Fuel Processing Technology, 2018, 180, 155-165.	7.2	37
187	Rational design of bis-indolylmethane-oxadiazole hybrids as inhibitors of thymidine phosphorylase. Bioorganic and Medicinal Chemistry, 2018, 26, 3654-3663.	3.0	9
188	Synthesis, pharmacological evaluation and docking studies of progesterone and testosterone derivatives as anticancer agents. Steroids, 2018, 136, 22-31.	1.8	21
189	Design, synthesis, in-vitro thymidine phosphorylase inhibition, in-vivo antiangiogenic and in-silico studies of C-6 substituted dihydropyrimidines. Bioorganic Chemistry, 2018, 80, 99-111.	4.1	50
190	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
191	Synthesis, biological activities, and molecular docking studies of 2-mercaptobenzimidazole based derivatives. Bioorganic Chemistry, 2018, 80, 472-479.	4.1	41
192	Chemical Characterization, Analgesic, Antioxidant, and Anticholinesterase Potentials of Essential Oils From Isodon rugosus Wall. ex. Benth. Frontiers in Pharmacology, 2018, 9, 623.	3.5	50
193	Effects of Calcination Holding Time on Properties of Wide Band Gap Willemite Semiconductor Nanoparticles by the Polymer Thermal Treatment Method. Molecules, 2018, 23, 873.	3.8	34
194	Ursolic Acid Hydrazide Based Organometallic Complexes: Synthesis, Characterization, Antibacterial, Antioxidant, and Docking Studies. Frontiers in Chemistry, 2018, 6, 55.	3.6	40
195	Carbon Dioxide Adsorption on Activated Carbon Hydrothermally Treated and Impregnated with Metal Oxides. Jurnal Kejuruteraan, 2018, 30, 31-38.	0.3	15
196	Biodiesel Production from Citrillus colocynthis Oil Using Enzymatic Based Catalytic Reaction and Characterization Studies. Protein and Peptide Letters, 2018, 25, 164-170.	0.9	6
197	Palm-Based Neopentyl Glycol Diester: A Potential Green Insulating Oil. Protein and Peptide Letters, 2018, 25, 171-179.	0.9	8
198	Evaluating the Potential of Oleaginous Yeasts as Feedstock for Biodiesel Production. Protein and Peptide Letters, 2018, 25, 195-201.	0.9	5

#	Article	IF	Citations
199	Biomedical Applications of Aromatic Azo Compounds. Mini-Reviews in Medicinal Chemistry, 2018, 18, 1548-1558.	2.4	66
200	The Impact of Hydrogen Peroxide as An Oxidant for Solvent-free Liquid Phase Oxidation of Benzyl Alcohol using Au-Pd Supported Carbon and Titanium Catalysts. Bulletin of Chemical Reaction Engineering and Catalysis, 2018, 13, 373.	1.1	16
201	Conventional versus microwave assisted synthesis, molecular docking and enzyme inhibitory activities of new 3,4,5-trisubstituted-1,2,4-triazole analogues. Pakistan Journal of Pharmaceutical Sciences, 2018, 31, 1501-1510.	0.2	3
202	Heterogeneous calcium-based bimetallic oxide catalyzed transesterification of Elaeis guineensis derived triglycerides for biodiesel production. Energy Conversion and Management, 2017, 141, 20-27.	9.2	43
203	Synthesis, biological evaluation and docking studies of 2,3-dihydroquinazolin-4(1 H)-one derivatives as inhibitors of cholinesterases. Bioorganic Chemistry, 2017, 70, 237-244.	4.1	51
204	Molecular hybridization conceded exceptionally potent quinolinyl-oxadiazole hybrids through phenyl linked thiosemicarbazide antileishmanial scaffolds: In silico validation and SAR studies. Bioorganic Chemistry, 2017, 71, 192-200.	4.1	37
205	Biodiesel Production Through Chemical and Biochemical Transesterification. , 2017, , 465-485.		27
206	Synthesis of MnO-NiO-SO 4 â^'2 /ZrO 2 solid acid catalyst for methyl ester production from palm fatty acid distillate. Energy Conversion and Management, 2017, 139, 166-174.	9.2	21
207	An overview of recent developments in metabolomics and proteomics â€“ phytotherapic research perspectives. Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences, 2017, 10, 1-37.	1.1	12
208	Biodiesel synthesis from Brassica napus seed oil using statistical optimization approach. Journal of Renewable and Sustainable Energy, 2017, 9, 013103.	2.0	10
209	Synthesis, crystal structure determination, biological screening and docking studies of N 1 -substituted derivatives of 2,3-dihydroquinazolin-4(1 H)-one as inhibitors of cholinesterases. Bioorganic Chemistry, 2017, 72, 256-267.	4.1	43
210	Thermogravimetric analyses revealed the bioenergy potential of Eulaliopsis binata. Journal of Thermal Analysis and Calorimetry, 2017, 130, 1237-1247.	3.6	30
211	Synthesis of biodiesel from palm fatty acid distillate using sulfonated palm seed cake catalyst. Renewable Energy, 2017, 111, 611-619.	8.9	98
212	Supported solid and heteropoly acid catalysts for production of biodiesel. Catalysis Reviews - Science and Engineering, 2017, 59, 165-188.	12.9	97
213	Synthesis, characterization, cytotoxicity and computational studies of new phosphineâ€•and carbodithioateâ€based palladium(II) complexes. Applied Organometallic Chemistry, 2017, 31, e3771.	3.5	15
214	Basic properties of methyl palmitate-diesel blends. Fuel, 2017, 193, 1-6.	6.4	9
215	Sulfonated mesoporous ZnO catalyst for methyl esters production. Journal of Cleaner Production, 2017, 144, 482-491.	9.3	36
216	Sulfonated mesoporous zinc aluminate catalyst for biodiesel production from high free fatty acid feedstock using microwave heating system. Journal of the Taiwan Institute of Chemical Engineers, 2017, 70, 219-228.	5.3	33

#	Article	IF	Citations
217	Esterification of Palm Fatty Acid Distillate Using a Sulfonated Mesoporous CuOâ€ZnO Mixed Metal Oxide Catalyst. Chemical Engineering and Technology, 2017, 40, 1931-1939.	1.5	27
218	Design, synthesis, in vitro Evaluation and docking studies on dihydropyrimidine-based urease inhibitors. Bioorganic Chemistry, 2017, 74, 53-65.	4.1	30
219	Targeted delivery of mesoporous silica nanoparticles loaded monastrol into cancer cells: an in vitro study. Applied Nanoscience (Switzerland), 2017, 7, 549-555.	3.1	15
220	Kinetic analyses and pyrolytic behavior of Para grass (Urochloa mutica) for its bioenergy potential. Bioresource Technology, 2017, 224, 708-713.	9.6	262
221	Recent progress in synthesis and surface functionalization of mesoporous acidic heterogeneous catalysts for esterification of free fatty acid feedstocks: A review. Energy Conversion and Management, 2017, 141, 183-205.	9.2	76
222	Biomass production for bioenergy using marginal lands. Sustainable Production and Consumption, 2017, 9, 3-21.	11.0	161
223	Investigation of heterogeneous solid acid catalyst performance on low grade feedstocks for biodiesel production: A review. Energy Conversion and Management, 2017, 141, 171-182.	9.2	240
224	GC/MS profiling, in vitro antioxidant, antimicrobial and haemolytic activities of Smilax macrophylla leaves. Arabian Journal of Chemistry, 2017, 10, S1460-S1468.	4.9	27
225	Ethyl 3-oxo-2-(2,5-dioxopyrrolidin-3-yl)butanoate Derivatives: Anthelmintic and Cytotoxic Potentials, Antimicrobial, and Docking Studies. Frontiers in Chemistry, 2017, 5, 119.	3.6	15
226	Elastomeric Nanocomposite Based on Exfoliated Graphene Oxide and Its Characteristics without Vulcanization. Journal of Nanomaterials, 2017, 2017, 1-11.	2.7	5
227	Optimization of simultaneous production of waste cooking oil based-biodiesel using iron-manganese doped zirconia-supported molybdenum oxide nanoparticles catalyst. Journal of Renewable and Sustainable Energy, 2016, 8, 033101.	2.0	10
228	Optimization of oil extraction from waste â€œDate pitsâ€•for biodiesel production. Energy Conversion and Management, 2016, 117, 264-272.	9.2	79
229	Biodiesel production fromCannabis sativaoil from Pakistan. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 865-875.	2.3	12
230	Synthesis of 2-acylated and sulfonated 4-hydroxycoumarins: In vitro urease inhibition and molecular docking studies. Bioorganic Chemistry, 2016, 66, 111-116.	4.1	60
231	Investigation of Ce(<scp>iii</scp>) promoter effects on the tri-metallic Pt, Pd, Ni/MgO catalyst in dry-reforming of methane. RSC Advances, 2016, 6, 10372-10384.	3.6	37
232	Prevalence of Leishmania tropica in school boys of khyber agency, FATA near Pak-Afghan border. Acta Tropica, 2016, 164, 90-94.	2.0	9
233	Rational design and synthesis of dihydropyrimidine based dual binding site acetylcholinesterase inhibitors. Bioorganic Chemistry, 2016, 69, 91-101.	4.1	54
234	Post-functionalization of polymeric mesoporous C@Zn coreâ€“shell spheres used for methyl ester production. Renewable Energy, 2016, 99, 1235-1243.	8.9	18

#	Article	IF	Citations
235	Synthesis biological screening and molecular docking studies of some tin (IV) Schiff base adducts. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 65-72.	3.8	32
236	Development of palm-based neopentyl glycol diester as dielectric fluid and its thermal aging performance. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 2051-2058.	2.9	30
237	Strain selection, growth productivity and biomass characterization of novel microalgae isolated from fresh and wastewaters of upper Punjab, Pakistan. Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences, 2016, 9, 190-200.	1.1	26
238	Design, synthesis, antibacterial activity and docking study of some new trimethoprim derivatives. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5749-5753.	2.2	28
239	Optimization of Lipase Biosynthesis from Rhizopus oryzae for Biodiesel Production Using Multiple Oils. Chemical Engineering and Technology, 2016, 39, 1707-1715.	1.5	17
240	Ferric-manganese doped sulphated zirconia nanoparticles catalyst for single-step biodiesel production from waste cooking oil: Characterization and optimization. International Journal of Green Energy, 2016, 13, 1305-1313.	3.8	9
241	Synthesis and Optimization of 2-ethylhexyl Ester as Base Oil for Drilling Fluid Formulation. Chemical Engineering Communications, 2016, 203, 463-470.	2.6	11
242	Structure based medicinal chemistry-driven strategy to design substituted dihydropyrimidines as potential antileishmanial agents. European Journal of Medicinal Chemistry, 2016, 115, 230-244.	5.5	76
243	Biodiesel production in the presence of sulfonated mesoporous ZnAl2O4 catalyst via esterification of palm fatty acid distillate (PFAD). Fuel, 2016, 178, 253-262.	6.4	80
244	Synthesis of high oleic palm oil-based trimethylolpropane esters in a vacuum operated pulsed loop reactor. Fuel, 2016, 166, 560-566.	6.4	29
245	Synthesis and characterization of poppy seed oil methyl esters. Chinese Journal of Chemical Engineering, 2016, 24, 1087-1096.	3.5	10
246	Temperature effect on tribological properties of polyol ester-based environmentally adapted lubricant. Tribology International, 2016, 93, 43-49.	5.9	37
247	Removal of Reactive Blue 21 from Aqueous Solution by Sorption and Solubilization in Micellar Media. Journal of Dispersion Science and Technology, 2016, 37, 144-154.	2.4	12
248	Sub- and supercritical esterification of palm fatty acid distillate with carbohydrate-derived solid acid catalyst. Chemical Engineering Journal, 2016, 284, 872-878.	12.7	47
249	Meso- and macroporous sulfonated starch solid acid catalyst for esterification of palm fatty acid distillate. Arabian Journal of Chemistry, 2016, 9, 179-189.	4.9	63
250	Conversion of Oleum papaveris seminis oil into methyl esters via esterification process: Optimization and kinetic study. Grasas Y Aceites, 2016, 67, e115.	0.9	2
251	Palm Oil Derived Trimethylolpropane Triesters Synthetic Lubricants and Usage in Industrial Metalworking Fluid. Journal of Oleo Science, 2015, 64, 143-151.	1.4	24
252	Microwaveâ€Assisted Methyl Ester Production from Palm Fatty Acid Distillate over a Heterogeneous Carbonâ€Based Solid Acid Catalyst. Chemical Engineering and Technology, 2015, 38, 1837-1844.	1.5	33

#	Article	IF	Citations
253	Biodiesel Synthesis Catalyzed by Transition Metal Oxides: Ferric-Manganese Doped Tungstated/Molybdena Nanoparticle Catalyst. Journal of Oleo Science, 2015, 64, 91-99.	1.4	8
254	Synthesis of Waste Cooking Oil Based Biodiesel via Ferric-Manganese Promoted Molybdenum Oxide / Zirconia Nanoparticle Solid acid Catalyst: Influence of Ferric and Manganese Dopants. Journal of Oleo Science, 2015, 64, 505-514.	1.4	19
255	Hydrothermal effect on synthesis, characterization and catalytic properties of calcium methoxide for biodiesel production from crude Jatropha curcas. RSC Advances, 2015, 5, 4266-4276.	3.6	56
256	Application of GIS for the identification and demarcation of selective heavy metal concentrations in the urban groundwater. Journal of Chinese Geography, 2015, 25, 225-235.	3.9	10
257	Transesterification for Biodiesel Production UsingThespesia PopulneaSeed Oil: An Optimization Study. International Journal of Green Energy, 2015, 12, 479-484.	3.8	19
258	Effect of pH on the static adsorption of foaming surfactants on Malaysian sandstone. Arabian Journal of Geosciences, 2015, 8, 8539-8548.	1.3	21
259	Production of biodiesel from palm fatty acid distillate using sulfonated-glucose solid acid catalyst: Characterization and optimization. Chinese Journal of Chemical Engineering, 2015, 23, 1857-1864.	3.5	45
260	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
261	Cold flow and fuel properties of methyl oleate and palm-oil methyl ester blends. Fuel, 2015, 160, 238-244.	6.4	44
262	Low-cost solid catalyst derived from waste Cyrtopleura costata (Angel Wing Shell) for biodiesel production using microalgae oil. Energy Conversion and Management, 2015, 101, 749-756.	9.2	105
263	Low-Temperature Dilute Acid Hydrolysis of Oil Palm Frond. Chemical Engineering Communications, 2015, 202, 1235-1244.	2.6	10
264	Yucca aloifolia oil methyl esters. Industrial Crops and Products, 2015, 69, 257-262.	5.2	24
265	Methyl ester production from palm fatty acid distillate using sulfonated glucose-derived acid catalyst. Renewable Energy, 2015, 81, 347-354.	8.9	91
266	Performance and exhaust emission characteristics of direct-injection diesel engine fueled with enriched biodiesel. Energy Conversion and Management, 2015, 106, 365-372.	9.2	74
267	Lipase/enzyme catalyzed biodiesel production from Prunus mahaleb: A comparative study with base catalyzed biodiesel production. Industrial Crops and Products, 2015, 76, 1049-1054.	5.2	16
268	Influence of Ce₂O₃ and CeO₂ promoters on Pd/MgO catalysts in the dry-reforming of methane. RSC Advances, 2015, 5, 81739-81752.	3.6	28
269	Synthesis of Ferricâ€“Manganese Doped Tungstated Zirconia Nanoparticles as Heterogeneous Solid Superacid Catalyst for Biodiesel Production From Waste Cooking Oil. International Journal of Green Energy, 2015, 12, 987-994.	3.8	25
270	Synthesis of waste cooking oil-based biodiesel via effectual recyclable bi-functional Fe2O3MnOSO42â˜/ZrO2 nanoparticle solid catalyst. Fuel, 2015, 142, 38-45.	6.4	139

#	Article	IF	Citations
271	Remediation of Cd-Contaminated Soils. , 2015, , 571-597.		1
272	Phytoremediation of Radioactive Contaminated Soils. , 2015, , 599-627.		4
273	Assessment of Selected Heavy Metals Uptake from Soil by Vegetation of Two Areas of District Attock, Pakistan. Asian Journal of Chemistry, 2014, 26, 1063-1068.	0.3	9
274	Synthesis of 1,3-Dichloropropanol from Glycerol Using Muriatic Acid as Chlorinating Agent. Asian Journal of Chemistry, 2014, 26, 2907-2912.	0.3	0
275	Microwave-assisted Biodiesel Production by Esterification of Palm Fatty Acid Distillate. Journal of Oleo Science, 2014, 63, 849-855.	1.4	27
276	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
277	Biodiesel production from crude Jatropha Curcas oil using calcium based mixed oxide catalysts. Fuel, 2014, 136, 244-252.	6.4	82
278	Production of biodiesel from non-edible Jatropha curcas oil via transesterification using Bi 2 O 3 â€“La 2 O 3 catalyst. Energy Conversion and Management, 2014, 88, 1257-1262.	9.2	122
279	Detection of aflatoxins and zearalenone contamination in wheat derived products. Food Control, 2014, 35, 223-226.	5.5	52
280	Transesterification of Jatropha curcas crude oil to biodiesel on calcium lanthanum mixed oxide catalyst: Effect of stoichiometric composition. Energy Conversion and Management, 2014, 88, 1290-1296.	9.2	137
281	Physicochemical and Antioxidant Characteristics of Kapok (Ceiba pentandra Gaertn.) Seed Oil. JAOCS, Journal of the American Oil Chemists' Society, 2014, 91, 1047-1054.	1.9	18
282	Thermodynamic Behavior of Glucose, Maltose, and Urea on Stabilization Lysozyme Solution. Arabian Journal for Science and Engineering, 2014, 39, 5445-5449.	1.1	2
283	Momordica CharantiaSeed Oil Methyl Esters: A Kinetic Study And Fuel Properties. International Journal of Green Energy, 2014, 11, 727-740.	3.8	10
284	Biomass and Bioenergy. , 2014, , .		20
285	Heterogeneous catalysis of transesterification of jatropha curcas oil over calciumâ€“cerium bimetallic oxide catalyst. RSC Advances, 2014, 4, 48836-48847.	3.6	22
286	Biomass and Bioenergy. , 2014, , .		19
287	Green nano-catalyst for methanolysis of non-edible Jatropha oil. Energy Conversion and Management, 2014, 87, 618-627.	9.2	19
288	Application of response surface methodology (RSM) for optimizing the palm-based pentaerythritol ester synthesis. Industrial Crops and Products, 2014, 62, 305-312.	5.2	59

#	Article	IF	Citations
289	Carbohydrate-derived Solid Acid Catalysts for Biodiesel Production from Low-Cost Feedstocks: A Review. Catalysis Reviews - Science and Engineering, 2014, 56, 187-219.	12.9	61
290	Kapok oil methyl esters. Biomass and Bioenergy, 2014, 66, 419-425.	5.7	22
291	The effect of sulfate contents on the surface properties of ironâ€“manganese doped sulfated zirconia catalysts. Powder Technology, 2014, 253, 809-813.	4.2	49
292	Production of slow release crystal fertilizer from wastewaters through struvite crystallization â€“ A review. Arabian Journal of Chemistry, 2014, 7, 139-155.	4.9	399
293	NOx removal efficiency and N2 selectivity during selective catalytic reduction processes over Al2O3 supported highly cross-linked polyethylene catalysts. Journal of Industrial and Engineering Chemistry, 2014, 20, 1650-1655.	5.8	5
294	Transesterification Reaction for Synthesis of Palm^|^ndash;based Ethylhexyl Ester and Formulation as Base Oil for Synthetic Drilling Fluid. Journal of Oleo Science, 2014, 63, 497-506.	1.4	16
295	Algal Biomass Production Using Waste Water. , 2014, , 307-327.		5
296	CeO2â€“SiO2 supported nickel catalysts for dry reforming of methane toward syngas production. Applied Catalysis A: General, 2013, 468, 359-369.	4.3	79
297	Biochar production from waste rubber-wood-sawdust and its potential use in C sequestration: Chemical and physical characterization. Industrial Crops and Products, 2013, 44, 18-24.	5.2	271
298	Production of biodiesel from mixed waste vegetable oils using Ferric hydrogen sulphate as an effective reusable heterogeneous solid acid catalyst. Applied Catalysis A: General, 2013, 456, 182-187.	4.3	75
299	Biodiesel from Citrus reticulata (mandarin orange) seed oil, a potential non-food feedstock. Industrial Crops and Products, 2013, 45, 355-359.	5.2	97
300	Improved fuzzy logics based differential protection scheme. , 2013, , .		1
301	Antibacterial, Cytotoxic Studies and Characterization of Some Newly Synthesized SymmetricalN3,N3â€²-Bis(disubstituted)isophthalyl-bis(thioureas) and Their Cu(II) and Ni(II) Complexes. Journal of Chemistry, 2013, 2013, 1-8.	1.9	2
302	Epoxidation of methyl esters derived from Jatropha oil: An optimization study. Grasas Y Aceites, 2013, 64, 103-114.	0.9	20
303	Characterization of Newly Synthesized ZrFe2O5Nanomaterial and Investigations of Its Tremendous Photocatalytic Properties under Visible Light Irradiation. Journal of Nanomaterials, 2013, 2013, 1-6.	2.7	10
304	Design and Synthesis of Arylthiophene-2-Carbaldehydes via Suzuki-Miyaura Reactions and Their Biological Evaluation. Molecules, 2013, 18, 14711-14725.	3.8	21
305	Activated Carbon from Various Agricultural Wastes by Chemical Activation with KOH: Preparation and Characterization. Journal of Biobased Materials and Bioenergy, 2013, 7, 708-714.	0.3	71
306	Optimization of Cr(III) Removal from Wastewater Using Thespesia populnea Particles by Response Surface Methodology. Asian Journal of Chemistry, 2013, 25, 9315-9320.	0.3	6

#	Article	IF	Citations
307	Evaluation of Antioxidant and Cytotoxicity Studies of Clerodendrum inerme. Asian Journal of Chemistry, 2013, 25, 7457-7462.	0.3	18
308	Poly(vinyl alcohol): An Economical Substitute to Calcium Lignosulphonate for PVC/PET Separation by Froth Flotation. Asian Journal of Chemistry, 2013, 25, 7509-7512.	0.3	3
309	Antioxidant, Antimicrobial, Cytotoxicity and HPLC Studies of Sophora mollis. Asian Journal of Chemistry, 2013, 25, 10519-10525.	0.3	2
310	Efficient Synthesis of 2-Amino-6-Arylbenzothiazoles via Pd(0) Suzuki Cross Coupling Reactions: Potent Urease Enzyme Inhibition and Nitric Oxide Scavenging Activities of the Products. Molecules, 2013, 18, 8845-8857.	3.8	18
311	Efficient PPA-SiO2-catalyzed Synthesis of Î²-enaminones Under Solvent-Free Conditions. Molecules, 2013, 18, 15182-15192.	3.8	8
312	Dynamic Modeling of Reversible Methanolysis ofJatropha curcasOil to Biodiesel. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	2
313	Antimicrobial Potential of Methanolic Extract and Various Fractions of Jatropha curcas Roots. Asian Journal of Chemistry, 2013, 25, 7477-7480.	0.3	3
314	Chemical Analysis, Cytotoxicity and Antimicrobial Studies by Snapdragon: A Medicinal Plant. Asian Journal of Chemistry, 2013, 25, 5479-5482.	0.3	5
315	Comparative study of the methanolysis and ethanolysis of Maize oil using alkaline catalysts. Grasas Y Aceites, 2012, 63, 35-43.	0.9	23
316	Response Surface Methodology: An Emphatic Tool for Optimized Biodiesel Production Using Rice Bran and Sunflower Oils. Energies, 2012, 5, 3307-3328.	3.1	57
317	Variation in Minerals, Phenolics and Antioxidant Activity of Peel and Pulp of Different Varieties of Peach (Prunus persica L.) Fruit from Pakistan. Molecules, 2012, 17, 6491-6506.	3.8	61
318	In Vitro Antimicrobial, Antioxidant, Cytotoxicity and GC-MS Analysis of Mazus goodenifolius. Molecules, 2012, 17, 14275-14287.	3.8	62
319	Improvement in the Water Retention Characteristics of Sandy Loam Soil Using a Newly Synthesized Poly(acrylamide-co-acrylic Acid)/AlZnFe2O4 Superabsorbent Hydrogel Nanocomposite Material. Molecules, 2012, 17, 9397-9412.	3.8	79
320	Effects of a Novel Poly (AA-co-AAm)/AlZnFe2O4/potassium Humate Superabsorbent Hydrogel Nanocomposite on Water Retention of Sandy Loam Soil and Wheat Seedling Growth. Molecules, 2012, 17, 12587-12602.	3.8	17
321	Activity of Calcium Methoxide Catalyst for Synthesis of High Oleic Palm Oil Based Trimethylolpropane Triesters as Lubricant Base Stock. Industrial & Engineering Chemistry Research, 2012, 51, 5438-5442.	3.7	40
322	Synthesis of palm oil-based trimethylolpropane ester as potential biolubricant: Chemical kinetics modeling. Chemical Engineering Journal, 2012, 200-202, 532-540.	12.7	61
323	Effects of experimental variables on conversion of cockle shell to calcium oxide using thermal gravimetric analysis. Journal of Cleaner Production, 2012, 37, 394-397.	9.3	16
324	Green Synthesis of Silver Nanoparticles through Reduction with Solanum xanthocarpum L. Berry Extract: Characterization, Antimicrobial and Urease Inhibitory Activities against Helicobacter pylori. International Journal of Molecular Sciences, 2012, 13, 9923-9941.	4.1	286

#	Article	IF	Citations
325	Asymmetric Synthesis of the Carbon-14-Labeled Selective Glucocorticoid Receptor Modulator using Cinchona Alkaloid Catalyzed Addition of 6-Bromoindole to Ethyl Trifluoropyruvate. Molecules, 2012, 17, 6507-6518.	3.8	2
326	The kinetics of epoxidation of trimethylolpropane ester. European Journal of Lipid Science and Technology, 2012, 114, 816-822.	1.5	13
327	Synthesis and characterization of calcium methoxide as heterogeneous catalyst for trimethylolpropane esters conversion reaction. Applied Catalysis A: General, 2012, 425-426, 184-190.	4.3	59
328	Muskmelon (Cucumis melo) seed oil: A potential non-food oil source for biodiesel production. Energy, 2011, 36, 5632-5639.	8.8	63
329	Biodiesel from Milo (Thespesia populnea L.) seed oil. Biomass and Bioenergy, 2011, 35, 4034-4039.	5.7	79
330	Fatty acids of Thespesia populnea: Mass spectrometry of picolinyl esters of cyclopropene fatty acids. European Journal of Lipid Science and Technology, 2011, 113, 980-984.	1.5	16
331	Application of response surface methodology for optimizing transesterification of Moringa oleifera oil: Biodiesel production. Energy Conversion and Management, 2011, 52, 3034-3042.	9.2	135
332	Optimization of polyol ester production by transesterification of Jatropha-based methyl ester with trimethylolpropane using Taguchi design of experiment. Fuel, 2011, 90, 2343-2345.	6.4	37
333	Okra (Hibiscus esculentus) seed oil for biodiesel production. Applied Energy, 2010, 87, 779-785.	10.1	155
334	Optimization of alkaline transesterification of rice bran oil for biodiesel production using response surface methodology. Journal of Chemical Technology and Biotechnology, 2009, 84, 1364-1370.	3.2	67
335	Lubricant properties of Moringa oil using thermal and tribological techniques. Journal of Thermal Analysis and Calorimetry, 2009, 96, 999-1008.	3.6	67
336	Evaluation of biodiesel obtained from cottonseed oil. Fuel Processing Technology, 2009, 90, 1157-1163.	7.2	238
337	Optimization of Base Catalytic Methanolysis of Sunflower (Helianthus annuus) Seed Oil for Biodiesel Production by Using Response Surface Methodology. Industrial & Engineering Chemistry Research, 2009, 48, 1719-1726.	3.7	54
338	Moringa oleifera oil: A possible source of biodiesel. Bioresource Technology, 2008, 99, 8175-8179.	9.6	424
339	Production of sunflower oil methyl esters by optimized alkali-catalyzed methanolysis. Biomass and Bioenergy, 2008, 32, 1202-1205.	5.7	210
340	Production of biodiesel through optimized alkaline-catalyzed transesterification of rapeseed oil. Fuel, 2008, 87, 265-273.	6.4	396
341	Essential oil composition of commercial black tea (Camellia sinensis). International Journal of Food Science and Technology, 2008, 43, 346-350.	2.7	3
342	Production of Biodiesel through Base-Catalyzed Transesterification of Safflower Oil Using an Optimized Protocol. Energy & Fuels, 2008, 22, 1306-1312.	5.1	116

#	Article	IF	Citations
343	Determination of Metabolite of Aspirin (Salicyluric Acid) by Colorimetric Method in Human Urine. Pakistan Journal of Biological Sciences, 2006, 9, 1004-1008.	0.5	3
344	Characterization of <i>Moringa oleifera</i> seed oil from drought and irrigated regions of Punjab, Pakistan. Grasas Y Aceites, 2006, 57, .	0.9	63