

Amjad Ali

List of Publications by Year in descending order

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77
papers

2,130
citations

257429

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254170

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79
times ranked

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#	ARTICLE	IF	CITATIONS
1	Optimal Homotopic Exploration of Features of Cattaneo-Christov Model in Second Grade Nanofluid Flow via Darcy-Forchheimer Medium Subject to Viscous Dissipation and Thermal Radiation. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2022, 25, 2485-2497.	1.1	28
2	Methods for Predicting Ethylene/Cyclic Olefin Copolymerization Rates Promoted by Single-Site Metallocene: Kinetics Is the Key. <i>Polymers</i> , 2022, 14, 459.	4.5	6
3	First biocatalytic synthesis of piperidine derivatives <i>via</i> an immobilized lipase-catalyzed multicomponent reaction. <i>New Journal of Chemistry</i> , 2022, 46, 4837-4849.	2.8	8
4	A review on catalytic role of heterogeneous acidic catalysts during glycerol acetylation to yield acetins. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100459.	2.8	12
5	A comparative study on the performance of acid catalysts in the synthesis of levulinate ester using biomass-derived levulinic acid: a review. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 1095-1115.	3.7	7
6	Polymerization kinetics of bicyclic olefins and mechanism with symmetrical ansa-metallocene catalysts associated with active center count: relationship between their activities and structure and activation path. <i>RSC Advances</i> , 2022, 12, 15284-15295.	3.6	6
7	Transesterification of triglyceride over Ni impregnated Zn/CaO nanocatalysts. <i>Materials Today: Proceedings</i> , 2021, 36, A1-A8.	1.8	4
8	<i>Candida rugosa</i> lipase immobilization over SBA-15 to prepare solid biocatalyst for cotton seed oil transesterification. <i>Materials Today: Proceedings</i> , 2021, 36, 763-768.	1.8	9
9	Design a synthetic glucose receptor using computational intelligence approach. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 103, 107797.	2.4	1
10	Potassium and 12-tungstophosphoric acid loaded alumina as heterogeneous catalyst for the esterification as well as transesterification of waste cooking oil in a single pot. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2021, 16, .	1.5	7
11	Proton Nuclear Magnetic Resonance-Based Method for the Quantification of Epoxidized Methyl Oleate. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2021, 98, 139-147.	1.9	3
12	Rapid kinetic evaluation of homogeneous single-site metallocene catalysts and cyclic diene: how do the catalytic activity, molecular weight, and diene incorporation rate of olefins affect each other?. <i>RSC Advances</i> , 2021, 11, 31817-31826.	3.6	14
13	Kinetic and Thermal Study of Ethylene and Propylene Homo Polymerization Catalyzed by ansa-Zirconocene Activated with Alkylaluminum/Borate: Effects of Alkylaluminum on Polymerization Kinetics and Polymer Structure. <i>Polymers</i> , 2021, 13, 268.	4.5	23
14	Enhancement in Adhesive and Thermal Properties of Bio-based Epoxy Resin by Using Eugenol Grafted Cellulose Nanocrystals. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 3290-3300.	3.7	18
15	Effect of alkylaluminum cocatalyst on ethylene/1-hexene copolymerization and active center distribution of MgCl ₂ -supported Ziegler-Natta catalyst. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2021, 58, 539-549.	2.2	15
16	Ion chromatography coupled with fluorescence/UV detector: A comprehensive review of its applications in pesticides and pharmaceutical drug analysis. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102972.	4.9	34
17	Comparative Analysis of Ethylene/Diene Copolymerization and Ethylene/Propylene/Diene Terpolymerization Using Ansa-Zirconocene Catalyst with Alkylaluminum/Borate Activator: The Effect of Conjugated and Nonconjugated Dienes on Catalytic Behavior and Polymer Microstructure. <i>Molecules</i> , 2021, 26, 2037.	3.8	20
18	Recent Progress in Silane Coupling Agent with Its Emerging Applications. <i>Journal of Polymers and the Environment</i> , 2021, 29, 3427-3443.	5.0	66

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19	Kinetic and thermal study of ethylene-propylene copolymerization catalyzed by ansa-zirconocene activated with Alkylaluminium/borate: Effects of linear and branched alkylaluminium compounds as cocatalyst. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	12
20	Slippery Photothermal Trap for Outstanding Deicing Surfaces. <i>Journal of Bionic Engineering</i> , 2021, 18, 548-558.	5.0	31
21	Review on Computational-Assisted to Experimental Synthesis, Interfacial Perspectives of Garnet-Solid Electrolytes for All-Solid-State Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 060529.	2.9	13
22	Stimulus-Responsive Polymers Based on Polypeptoid Skeletons. <i>Polymers</i> , 2021, 13, 2089.	4.5	14
23	Surface-Modified CaO Catalyst for the Production of Glycerol Carbonate. <i>ChemistrySelect</i> , 2021, 6, 6102-6114.	1.5	5
24	Kinetics and mechanistic investigations of ethylene-propylene copolymerizations catalyzed with symmetrical metallocene and activated by TIBA/borate. <i>Journal of Organometallic Chemistry</i> , 2021, 949, 121929.	1.8	11
25	Ethylene-propylene copolymerization and their terpolymerization with dienes using <i>ansa</i> -Zirconocene catalysts activated by borate/alkylaluminum. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2020, 57, 156-164.	2.2	20
26	First biocatalytic Groebke-Blackburn-Bienaymé reaction to synthesize imidazo[1,2-a]pyridine derivatives using lipase enzyme. <i>Tetrahedron</i> , 2020, 76, 131643.	1.9	25
27	A novel astrophysics-based framework for prediction of binding affinity of glucose binder. <i>Modern Physics Letters B</i> , 2020, 34, 2050346.	1.9	1
28	Effects of titanium dispersion state on distribution and reactivity of active centers in propylene polymerization with MgCl ₂ -supported Ziegler-Natta catalysts: A kinetic study based on active center counting. <i>ChemCatChem</i> , 2020, 12, 5140-5148.	3.7	18
29	Sulphuric acid-functionalized siliceous zirconia as an efficient and reusable catalyst for the synthesis of glycerol triacetate. <i>Chemical Papers</i> , 2020, 74, 3627-3639.	2.2	14
30	Development and functionalization of magnetic nanoparticles as stable and reusable catalysts for triacetin synthesis. <i>New Journal of Chemistry</i> , 2020, 44, 9365-9376.	2.8	14
31	Kinetics and mechanism of ethylene and propylene polymerizations catalyzed with ansa-zirconocene activated by borate/TIBA. <i>Journal of Organometallic Chemistry</i> , 2020, 922, 121366.	1.8	16
32	Lithium Zirconate as a Selective and Cost-Effective Mixed Metal Oxide Catalyst for Glycerol Carbonate Production. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 2667-2679.	3.7	29
33	Catalytic performance of cerium-modified ZSM-5 zeolite as a catalyst for the esterification of glycerol with acetic acid. <i>International Journal of Chemical Reactor Engineering</i> , 2020, 18, .	1.1	3
34	5-Na/ZnO doped mesoporous silica as reusable solid catalyst for biodiesel production via transesterification of virgin cottonseed oil. <i>Renewable Energy</i> , 2019, 133, 606-619.	8.9	66
35	A Machine Learning Prediction Model for the Affinity Between Glucose and Binder. <i>Revue D'Intelligence Artificielle</i> , 2019, 33, 227-233.	0.6	0
36	Thermally induced 1D to 2D polymer conversion accompanied by major packing changes in single-crystal-to-single-crystal transformation. <i>CrystEngComm</i> , 2018, 20, 2346-2350.	2.6	2

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37	Tungsten supported Ti/SiO ₂ nanoflowers as reusable heterogeneous catalyst for biodiesel production. <i>Renewable Energy</i> , 2018, 116, 109-119.	8.9	102
38	¹ H NMR assisted quantification of glycerol carbonate in the mixture of glycerol and glycerol carbonate. <i>Talanta</i> , 2018, 178, 1001-1005.	5.5	30
39	Kinetics of short duration ethylene-propylene copolymerization with MgCl ₂ -supported Ziegler-Natta catalyst: Differentiation of active centers on the external and internal surfaces of the catalyst particles. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46030.	2.6	26
40	Lithium-doped ceria supported SBA-15 as mesoporous solid reusable and heterogeneous catalyst for biodiesel production via simultaneous esterification and transesterification of waste cottonseed oil. <i>Renewable Energy</i> , 2018, 119, 32-44.	8.9	68
41	Determination of nitenpyram and 6-chloronicotinic acid in environmental samples by ion chromatography coupled with online photochemically induced fluorescence detector. <i>Journal of Separation Science</i> , 2018, 41, 4096-4104.	2.5	21
42	Effect of Different Shapes of TiO ₂ Nanoparticles on the Catalytic Photodegradation of Salicylic Acid Under UV Light. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5303-5309.	0.9	3
43	Solvent-free one step aminolysis and alcoholysis of low-quality triglycerides using sodium modified CaO nanoparticles as a solid catalyst. <i>RSC Advances</i> , 2016, 6, 55800-55808.	3.6	15
44	One-pot solvent-free synthesis of fatty acid alkanamides from natural oil triglycerides using alkali metal doped CaO nanoparticles as heterogeneous catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 38, 43-49.	5.8	11
45	Aminolysis of triglycerides using nanocrystalline nickel doped CaO as an efficient solid catalyst. <i>RSC Advances</i> , 2016, 6, 66822-66832.	3.6	6
46	Nanocrystalline potassium impregnated SiO ₂ as heterogeneous catalysts for the transesterification of karanja and jatropha oil. <i>RSC Advances</i> , 2015, 5, 46890-46896.	3.6	10
47	Biodiesel production via ethanolysis of jatropha oil using molybdenum impregnated calcium oxide as solid catalyst. <i>RSC Advances</i> , 2015, 5, 13285-13295.	3.6	47
48	One step synthesis of fatty acid diethanolamides and methyl esters from triglycerides using sodium doped calcium hydroxide as a nanocrystalline heterogeneous catalyst. <i>New Journal of Chemistry</i> , 2015, 39, 7097-7104.	2.8	17
49	One-Pot Lipase Entrapment Within Silica Particles to Prepare a Stable and Reusable Biocatalyst for Transesterification. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2015, 92, 623-632.	1.9	16
50	Preparation and application of  $\frac{62}{8.9}$ Renewable Energy, 2015, 81, 421-431.	8.9	62
51	Direct synthesis of fatty acid alkanolamides and fatty acid alkyl esters from high free fatty acid containing triglycerides as lubricity improvers using heterogeneous catalyst. <i>Fuel</i> , 2015, 159, 845-853.	6.4	27
52	Identification of hub glycoenes and their nsSNP analysis from mouse RNA-Seq data. <i>Gene</i> , 2015, 574, 235-246.	2.2	2
53	Lithium zirconate as solid catalyst for simultaneous esterification and transesterification of low quality triglycerides. <i>Applied Catalysis A: General</i> , 2015, 489, 193-202.	4.3	65
54	An efficient and reusable Li/NiO heterogeneous catalyst for ethanolysis of waste cottonseed oil. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 550-560.	1.5	9

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55	Potassium fluoride impregnated CaO/NiO: An efficient heterogeneous catalyst for transesterification of waste cottonseed oil. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 80-88.	1.5	32
56	Comparative Analysis of Glycogene Expression in Different Mouse Tissues Using RNA-Seq Data. <i>International Journal of Genomics</i> , 2014, 2014, 1-18.	1.6	78
57	Potassium impregnated nanocrystalline mixed oxides of La and Mg as heterogeneous catalysts for transesterification. <i>Renewable Energy</i> , 2014, 62, 226-233.	8.9	62
58	Kinetics and reusability of Zr/CaO as heterogeneous catalyst for the ethanolysis and methanolysis of <i>Jatropha crucas</i> oil. <i>Fuel Processing Technology</i> , 2014, 119, 173-184.	7.2	101
59	One-pot transesterification and esterification of waste cooking oil via ethanolysis using Sr:Zr mixed oxide as solid catalyst. <i>RSC Advances</i> , 2014, 4, 43671-43681.	3.6	36
60	Ethanolysis of waste cottonseed oil over lithium impregnated calcium oxide: Kinetics and reusability studies. <i>Renewable Energy</i> , 2014, 63, 272-279.	8.9	30
61	Transesterification of Low-Quality Triglycerides over a Zn/CaO Heterogeneous Catalyst: Kinetics and Reusability Studies. <i>Energy & Fuels</i> , 2013, 27, 3758-3768.	5.1	94
62	Application of Acacia karroo charcoal for desalinating Ni(II) and Zn(II) from aqueous solutions through batch mode. <i>Journal of Water Reuse and Desalination</i> , 2013, 3, 268-276.	2.3	2
63	Effect of Metal Ions on the Hydrolytic and Transesterification Activities of <i>Candida rugosa</i> Lipase. <i>Journal of Oleo Science</i> , 2013, 62, 919-924.	1.4	14
64	Immobilization of <i>Candida rugosa</i> Lipase on MCM-41 for the Transesterification of Cotton Seed Oil. <i>Journal of Oleo Science</i> , 2012, 61, 469-475.	1.4	17
65	Nanocrystalline CaO for the transesterification of a variety of feedstocks: Structure, kinetics and catalytic properties. <i>Biomass and Bioenergy</i> , 2012, 46, 459-468.	5.7	93
66	Sodium Aluminate as Catalyst for Transesterification of Waste Mutton Fat. <i>Journal of Oleo Science</i> , 2012, 61, 665-669.	1.4	17
67	Ti/SiO ₂ as a Nanosized Solid Catalyst for the Epoxidation of Fatty Acid Methyl Esters and Triglycerides. <i>Energy & Fuels</i> , 2012, 26, 2953-2961.	5.1	25
68	Use of Immobilized <i>Pseudomonas</i> sp. as Whole Cell Catalyst for the Transesterification of Used Cotton Seed Oil. <i>Journal of Oleo Science</i> , 2011, 60, 7-10.	1.4	19
69	Biodiesel from mutton fat using KOH impregnated MgO as heterogeneous catalysts. <i>Renewable Energy</i> , 2011, 36, 2253-2258.	8.9	94
70	Lithium ion impregnated calcium oxide as nano catalyst for the biodiesel production from karanja and <i>jatropha</i> oils. <i>Renewable Energy</i> , 2011, 36, 2866-2871.	8.9	181
71	Synthesis and characterization of a (1+1) cyclic Schiff base of a lower rim 1,3-derivative of p-tert-butylcalix[4]arene and its complexes of VO ₂ ⁺ , Fe ³⁺ , Ni ²⁺ , Cu ²⁺ and Zn ²⁺ . <i>Polyhedron</i> , 2010, 29, 1035-1040.	2.2	14
72	Nanocrystalline Lithium Ion Impregnated Calcium Oxide As Heterogeneous Catalyst for Transesterification of High Moisture Containing Cotton Seed Oil. <i>Energy & Fuels</i> , 2010, 24, 2091-2097.	5.1	65

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73	Emulsification and Hydrolysis of Oil by <i>Syncephalastrum racemosum</i> . <i>Defence Science Journal</i> , 2010, 60, 251-254.	0.8	3
74	Influence of alkali and alkaline earth ions on the O-alkylation of the lower rim phenolic-OH groups of p-tert-butyl-calix[4]arene to result in amide-pendants: Template action of K ⁺ and the structure of K ⁺ bound tetra-amide derivative crystallized with a p-tert-butyl-calix[4]arene anion. <i>Journal of Chemical Sciences</i> , 2008, 120, 237-247.	1.5	2
75	Photo-physical behavior as chemosensor properties of anthracene-anchored 1,3-di-derivatives of lower rim calix[4]arene towards divalent transition metal ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 177, 164-169.	3.9	18
76	Synthesis and characterization of Sn(IV) complexes of lower rim 1,3-diacid derivative of calix[4]arene and their protective effects on tissue oxidative stress and essential metal concentration in lead exposed male Wistar rats. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 206-213.	3.5	11
77	A first report of the complexes of 5,11,17,23-tetra-tert-butyl-25,27-diethoxycarboxymethoxy-26,28-dihydroxycalix[4]arene with Mn(II), Fe(III), Co(II), Ni(II), Cu(II) and Zn(II). <i>Inorganic Chemistry Communication</i> , 2004, 7, 1298-1301.	3.9	10