

# Muhammad Yaseen

## List of Publications by Year in descending order

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185  
papers

6,027  
citations

61984

43  
h-index

118850

62  
g-index

187  
all docs

187  
docs citations

187  
times ranked

4226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Fe <sub>2</sub> O <sub>3</sub> , NiO <sub>2</sub> , and ZnO supported montmorillonite clay for oxidative desulfurization of transportation fuels in O <sub>2</sub> /CH <sub>3</sub> COOH oxidation system. <i>Petroleum Science and Technology</i> , 2023, 41, 1292-1311.	1.5	0
2	Desulfurization and de-ashing of low-rank coal by catalytic oxidation using Sn as catalyst loaded in different forms. <i>International Journal of Coal Preparation and Utilization</i> , 2022, 42, 2260-2276.	2.1	7
3	Preparation and Performance Evaluation of Butylated Graphene Oxide (C <sub>4</sub> H <sub>9</sub> -GO) Incorporated Modified Cement. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 3991-4002.	3.0	3
4	Synthesis of tannic acid-terephthalyl chloride modified rubber powder for the fabrication of tannic acid-terephthalyl chloride-rubber-styrene-butadiene-styrene modified asphalt. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51813.	2.6	5
5	Preparation and conversion mechanism of different geopolymer-based zeolite microspheres and their adsorption properties for Pb <sup>2+</sup> . <i>Separation and Purification Technology</i> , 2022, 282, 119971.	7.9	18
6	Preparation of Al <sub>2</sub> O <sub>3</sub> -2SiO <sub>2</sub> /geopolymer powder by hydrolytic sol-gel method and its activity characterization and research on the reaction mechanism. <i>Powder Technology</i> , 2022, 397, 117026.	4.2	16
7	Preparation of cement mortars incorporating polystyrene-graphene nanosheets and octadecylamine-graphene nanosheets for enhanced mechanical properties. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 101, 287-298.	2.4	2
8	Heavy metals contamination, potential pathways and risks along the Indus Drainage System of Pakistan. <i>Science of the Total Environment</i> , 2022, 809, 151994.	8.0	17
9	Hydrophobic shell structured NH <sub>2</sub> -MIL(Ti)-125@mesoporous carbon composite via confined growth strategy for ultra-high selective adsorption of toluene under highly humid environment. <i>Chemical Engineering Journal</i> , 2022, 432, 134340.	12.7	29
10	Enhancement in the active site exposure in a porphyrin-based PIL/graphene composite catalyst for the highly efficient conversion of CO <sub>2</sub> . <i>Dalton Transactions</i> , 2022, 51, 3331-3340.	3.3	12
11	Study on the Self-healing Performance of Urea-Formaldehyde-Dicyclopentadiene (UF-DCPD) Microcapsules-Incorporated SBS Polymer-Modified Asphalt. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 5079-5091.	3.0	4
12	A bioactivated in vivo assembly nanotechnology fabricated NIR probe for small pancreatic tumor intraoperative imaging. <i>Nature Communications</i> , 2022, 13, 418.	12.8	28
13	Preparation of TiO <sub>2</sub> photocatalyst microspheres by geopolymer technology for the degradation of tetracycline. <i>Journal of Cleaner Production</i> , 2022, 339, 130734.	9.3	32
14	Study on the performance and sustainability of modified waste crumb rubber and steel slag powder/SBS composite modified asphalt mastic. <i>Journal of Cleaner Production</i> , 2022, 338, 130563.	9.3	23
15	Oxidative desulfurization of model and real petroleum distillates using Cu or Ni impregnated banana peels derived activated carbon-NaClO oxidant system. <i>Chemical Engineering Research and Design</i> , 2022, 179, 107-118.	5.6	27
16	Effect of tannic acid modified bamboo fiber on the performance of soybean bio-asphalt/styrene-butadiene-styrene modified asphalt. <i>Polymer Composites</i> , 2022, 43, 2288-2302.	4.6	11
17	Preparation and performance evaluation of surface-modified polyacrylonitrile fiber and SBS composite modified asphalt binder based on bionic hierarchy. <i>Construction and Building Materials</i> , 2022, 326, 126866.	7.2	21
18	Adsorption and reusability performance of hierarchically porous silica (MMZ) for the removal of MB dye from water. <i>Inorganic Chemistry Communication</i> , 2022, 139, 109380.	3.9	20

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19	Designing highly efficient 3D porous Ni-Fe sulfide nanosheets based catalyst for the overall water splitting through component regulation. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 422-432.	9.4	37
20	First report of perfluoroalkyl acids (PFAAs) in the Indus Drainage System: Occurrence, source and environmental risk. <i>Environmental Research</i> , 2022, 211, 113113.	7.5	10
21	Hausmannite Mn <sub>3</sub> O <sub>4</sub> functionalized graphene Oxide-NaClO system for oxidative desulfurization and denitrogenation of fuel oils. <i>Fuel</i> , 2022, 321, 124017.	6.4	32
22	Preparation of Ca- and Na-Modified Activated Clay as a Promising Heterogeneous Catalyst for Biodiesel Production via Transesterification. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4667.	2.5	4
23	Preparation of polyethylenimine and carboxymethyl cellulose co-modified magnetic bentonite for enhanced adsorption of Pb(II) and Cd(II) based on the concept of mesh bag and octopus-like tentacle. <i>Cellulose</i> , 2022, 29, 7225-7249.	4.9	8
24	Synthesis of Hydroxyapatite-Polydopamine-Rubber powder modifier via in-situ growth strategy for the designing of HAP-PDA-RP/SBS modified asphalt. <i>Construction and Building Materials</i> , 2022, 345, 128361.	7.2	1
25	Highly dispersive Cu species constructed in mesoporous silica derived from ZSM-5 for batch and continuous adsorptive desulfurization of thiophene. <i>Fuel Processing Technology</i> , 2022, 235, 107351.	7.2	17
26	Biomimetic O <sub>2</sub> -carrying and highly in-situ H <sub>2</sub> O <sub>2</sub> generation using Ti <sub>3</sub> C <sub>2</sub> MXene/MIL-100(Fe) hybrid via Fe-Protoporphyrin bridging for photo-fenton synergistic degradation of thiacloprid. <i>Chemical Engineering Journal</i> , 2022, 450, 137964.	12.7	31
27	Facile fabrication of metakaolin/slag-based zeolite microspheres (M/SZMs) geopolymer for the efficient remediation of Cs <sup>+</sup> and Sr <sup>2+</sup> from aqueous media. <i>Journal of Hazardous Materials</i> , 2021, 406, 124292.	12.4	58
28	Designing C-Fe-O bonded MIL-88B(Fe)/jasmine petal-derived-carbon composite biosensor for the simultaneous detection of dopamine and uric acid. <i>Chemical Engineering Journal</i> , 2021, 404, 126570.	12.7	60
29	Performance of biomimetic coating modified fiber incorporated styrene butadiene styrene modified asphalt. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49967.	2.6	11
30	Fabrication of Zn and Mn loaded activated carbon derived from corn cobs for the adsorptive desulfurization of model and real fuel oils. <i>Fuel</i> , 2021, 284, 119102.	6.4	92
31	Fabrication of gold nanoparticles within hierarchically ZSM-5-based micro-/mesostructures (MMZ) with enhanced stability for catalytic reduction of p-nitrophenol and methylene blue. <i>Separation and Purification Technology</i> , 2021, 254, 117645.	7.9	22
32	Implanting polyethylene glycol into MIL-101(Cr) as hydrophobic barrier for enhancing toluene adsorption under highly humid environment. <i>Chemical Engineering Journal</i> , 2021, 404, 126562.	12.7	55
33	Controlled fabrication of Au@MnO <sub>2</sub> core/shell assembled nanosheets by localized surface plasmon resonance. <i>Applied Surface Science</i> , 2021, 537, 147912.	6.1	20
34	Enhanced acetone sensing from Zn(II)-MOFs comprising tetranuclear metal clusters built with EDC and BDC ligands. <i>Inorganic Chemistry Communication</i> , 2021, 123, 108339.	3.9	4
35	Fabrication of carboxymethyl cellulose and chitosan modified Magnetic alkaline Ca-bentonite for the adsorption of hazardous doxycycline. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125730.	4.7	22
36	A review on the self-healing ability of epoxy polymers. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50260.	2.6	38

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37	Effect of ionic liquid assisted hydrothermal carbonization on the properties and gasification reactivity of hydrochar derived from eucalyptus. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 423-432.	9.4	26
38	Engineering bidirectional CMC-foam-supported HKUST-1@graphdiyne with enhanced heat/mass transfer for the highly efficient adsorption and regeneration of acetaldehyde. <i>Journal of Materials Chemistry A</i> , 2021, 9, 4066-4074.	10.3	23
39	Preparation of hyperbranch-structured polyester fiber via thiol-ene click reaction under $UV$ light irradiation for asphalt binder modification. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50135.	2.6	11
40	High-density immobilization of laccase on hollow nano-sphere NH <sub>2</sub> -MIL88(Fe) host with interfacial defects to improve enzyme activity and stability for remazol brilliant blue R decolorization. <i>Chemical Engineering Journal</i> , 2021, 405, 127003.	12.7	48
41	3,5-Disubstituted Tetrahydro-2H-1,3,5-thiadiazine-thiones Ester Derivatives and Their Antimicrobial Evaluation. <i>Heterocycles</i> , 2021, 102, 659.	0.7	1
42	Oxidative Desulfurization of Petroleum Distillate Fractions Using Manganese Dioxide Supported on Magnetic Reduced Graphene Oxide as Catalyst. <i>Nanomaterials</i> , 2021, 11, 203.	4.1	28
43	Controlled preparation of micro-nano hierarchical hollow calcium carbonate microspheres by pressurized-CO <sub>2</sub> carbonization and their CaCO <sub>3</sub> :Eu <sup>3+</sup> photoluminescence properties. <i>CrystEngComm</i> , 2021, 23, 3033-3042.	2.6	6
44	Palladium nanoparticles decorated on ZSM-5 derived micro-/mesostructures (MMZ) for nitrophenol reduction and MB degradation in water. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105002.	6.7	10
45	Carboxymethylcellulose-chitosan film modified magnetic alkaline Ca-bentonite for the efficient removal of Pb(II) and Cd(II) from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2021, 28, 30312-30322.	5.3	6
46	Photocatalytic degradation of vehicular exhaust by nitrogen-doped titanium dioxide modified pavement material. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 91, 102690.	6.8	16
47	Preparation of TiO <sub>2</sub> /PS-rGO incorporated SBS modified asphalt with enhanced resistance against ultraviolet aging. <i>Construction and Building Materials</i> , 2021, 276, 121461.	7.2	32
48	Accurate prediction for adsorption rate of peptides with high ACE-inhibitory activity from sericin hydrolysate on thiophene hypercross-linked polymer using CoMSIA in 3D-QSAR model. <i>Food Research International</i> , 2021, 141, 110144.	6.2	6
49	Preparation of n-amyl acetate via esterification of acetic acid and n-amyl alcohol using [HSO <sub>3</sub> -pmim][HSO <sub>4</sub> ]/SiO <sub>2</sub> as catalyst: Catalyst preparation, characterization and reaction kinetics. <i>Chemical Engineering Journal</i> , 2021, 410, 128282.	12.7	10
50	Fabrication of hollow cage-like CaO catalyst for the enhanced biodiesel production via transesterification of soybean oil and methanol. <i>Fuel</i> , 2021, 290, 119799.	6.4	49
51	Fabrication of rGO-CuO and/or Ag <sub>2</sub> O nanoparticles incorporated polyvinyl acetate based mixed matrix membranes for the removal of Cr <sup>6+</sup> from anti-corrosive paint industrial wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105151.	6.7	37
52	Fabrication of ferrihydrite-loaded magnetic sugar cane bagasse charcoal adsorbent for the adsorptive removal of selenite from aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 614, 126131.	4.7	15
53	IL-assisted synthesis of defect-rich polyaniline/NH <sub>2</sub> -MIL-125 nanohybrids with strengthened interfacial contact for ultra-fast photocatalytic degradation of acetaldehyde under high humidity. <i>Chemical Engineering Journal</i> , 2021, 411, 128590.	12.7	39
54	A review on the development and application of graphene based materials for the fabrication of modified asphalt and cement. <i>Construction and Building Materials</i> , 2021, 285, 122885.	7.2	52

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55	Fabrication of MoS <sub>2</sub> -based environment friendly modifier via tannic acid assisted diethylenetriamine co-deposition for the preparation of composite SBS modified asphalt. <i>Construction and Building Materials</i> , 2021, 285, 122871.	7.2	10
56	Fabrication of highly dispersed Pt NPs in nanoconfined spaces of as-made KIT-6 for nitrophenol and MB catalytic reduction in water. <i>Separation and Purification Technology</i> , 2021, 265, 118532.	7.9	28
57	Fabrication of urea formaldehyde-epoxy resin microcapsules for the preparation of high self-healing ability containing SBS modified asphalt. <i>Polymer Composites</i> , 2021, 42, 4128-4137.	4.6	15
58	Fabrication of MnO <sub>2</sub> NPs incorporated UiO-66 for the green and efficient oxidative desulfurization and denitrogenation of fuel oils. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105179.	6.7	80
59	Synthesis and characterization of tannic acid pillared bentonite composite for the efficient adsorption of aflatoxins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 202, 111679.	5.0	15
60	Study on the modified fiber with nacre layer structure based on bionic coating and molybdenum disulfide construction incorporated asphalt. <i>Polymer Composites</i> , 2021, 42, 5374-5387.	4.6	8
61	Highly dispersive palladium nanoparticle in nanoconfined spaces for heterogeneous catalytic reduction of anthropogenic pollutants. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 304-315.	9.4	10
62	Study on the Intensification of Reaction Kinetics and Reactive Distillation for the Esterification of <i>N</i> -Butyl Acetate Using [HSO <sub>3</sub> -BMIM][HSO <sub>4</sub> ] as a High-Efficiency Ionic Liquid Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 12847-12863.	3.7	10
63	Catalytic reduction of nitrophenol and MB waste water using homogeneous Pt NPs confined in hierarchically porous silica. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105567.	6.7	3
64	Development of Waste Polystyrene-Based Copper Oxide/Reduced Graphene Oxide Composites and Their Mechanical, Electrical and Thermal Properties. <i>Nanomaterials</i> , 2021, 11, 2372.	4.1	13
65	Synthesis of graphene nanoplatelets/polythiophene nanocomposites With Enhanced Photocatalytic Degradation of Bromophenol Blue and Antibacterial Properties. <i>Materials Research Bulletin</i> , 2021, 142, 111435.	5.2	17
66	Fabrication of hollow covalent-organic framework microspheres via emulsion-interfacial strategy to enhance laccase immobilization for tetracycline degradation. <i>Chemical Engineering Journal</i> , 2021, 421, 129743.	12.7	55
67	Fabrication of IPDI-LDHs/SBS modified asphalt with enhanced thermal aging and UV aging resistance. <i>Construction and Building Materials</i> , 2021, 302, 124131.	7.2	21
68	Engineering TiO <sub>2</sub> supported CTAB modified bentonite for treatment of refinery wastewater through simultaneous photocatalytic oxidation and adsorption. <i>Journal of Water Process Engineering</i> , 2021, 43, 102239.	5.6	23
69	Fabrication of n-n isotype BiOBr-Bi <sub>2</sub> WO <sub>6</sub> heterojunctions by inserting Bi <sub>2</sub> WO <sub>6</sub> nanosheets onto BiOBr microsphere for the superior photocatalytic degradation of Ciprofloxacin and tetracycline. <i>Separation and Purification Technology</i> , 2021, 274, 118992.	7.9	85
70	Recovery and characterization of useful benzene derivatives from spent engine oil through solvent extraction. <i>Chemical Engineering Research and Design</i> , 2021, 175, 51-60.	5.6	24
71	Dually organic modified bentonite with enhanced adsorption and desorption of tetracycline and ciprofloxacin. <i>Separation and Purification Technology</i> , 2021, 274, 119059.	7.9	52
72	Construction of ultra-stable and Z-scheme Fe-Graphdiyne/MIL-100(Fe) photo-Fenton catalyst with C <sub>6</sub> H <sub>5</sub> -Fe O interface for the highly enhanced catalytic degradation of Dinotefuran. <i>Chemical Engineering Journal</i> , 2021, 426, 131621.	12.7	41

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73	Synthesis of graphene nanoplatelets/polythiophene as a high performance supercapacitor electrode material. <i>New Journal of Chemistry</i> , 2021, 45, 16187-16195.	2.8	24
74	Rational Design of Broadly Absorbing Boron Dipyrromethene-Carbazole Dyads for Dye-Sensitized Solar Cells: A DFT Study. <i>ACS Omega</i> , 2021, 6, 27640-27653.	3.5	8
75	Study on preparation and properties of new thermosetting epoxy asphalt. <i>Construction and Building Materials</i> , 2021, 311, 125307.	7.2	21
76	Preparation of titanium carbide reinforced polymer based composite nanofibers for enhanced humidity sensing. <i>Sensors and Actuators A: Physical</i> , 2021, 332, 113201.	4.1	19
77	Effect of incorporation of biomimetic Fe <sub>3</sub> O <sub>4</sub> -PET and Fe <sub>3</sub> O <sub>4</sub> -chitosan-PET fibers on the performance of SBS modified asphalt. <i>Construction and Building Materials</i> , 2021, 312, 125386.	7.2	9
78	Fabrication of MNPs/rGO/PMMA Composite for the Removal of Hazardous Cr(VI) from Tannery Wastewater through Batch and Continuous Mode Adsorption. <i>Materials</i> , 2021, 14, 6923.	2.9	6
79	The Efficient Removal of Calcium and Magnesium Ions from Industrial Manganese Sulfate Solution through the Integrated Application of Concentrated Sulfuric Acid and Ethanol. <i>Metals</i> , 2021, 11, 1339.	2.3	2
80	Highly dispersive lanthanum oxide fabricated in confined space of SBA-15 for adsorptive desulfurization. <i>Chemical Engineering Journal</i> , 2020, 384, 123271.	12.7	40
81	Graphene incorporated poly(vinyl chloride) composites prepared by mechanical activation with enhanced electrical and thermo-mechanical properties. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48375.	2.6	5
82	Facile fabrication of hydroxyapatite-magnetite-bentonite composite for efficient adsorption of Pb(II), Cd(II), and crystal violet from aqueous solution. <i>Journal of Cleaner Production</i> , 2020, 247, 119088.	9.3	128
83	Effects of divalent copper on tetracycline degradation and the proposed transformation pathway. <i>Environmental Science and Pollution Research</i> , 2020, 27, 5155-5167.	5.3	19
84	Mechanisms of enhanced hexavalent chromium removal from groundwater by sodium carboxymethyl cellulose stabilized zerovalent iron nanoparticles. <i>Journal of Environmental Management</i> , 2020, 276, 111245.	7.8	29
85	Removal of Cu(II) ions from simulated wastewater using bagasse pith grafted polyacrylamide copolymer. <i>Chemical Engineering Research and Design</i> , 2020, 164, 361-372.	5.6	8
86	Evaluation of arsenic contamination and potential risks assessment through water, soil and rice consumption. <i>Environmental Technology and Innovation</i> , 2020, 20, 101155.	6.1	10
87	Fabrication and performance evaluation of aminopropyl triethoxysilane-dopamine-MoS <sub>2</sub> incorporated SBS modified asphalt. <i>Construction and Building Materials</i> , 2020, 265, 120346.	7.2	33
88	Residual organics removal from manganese electrochemical solution using combined Fenton oxidation process with adsorption over activated carbon. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44240-44248.	5.3	2
89	Assessing the Aflatoxins Mitigation Efficacy of Blueberry Pomace Biosorbent in Buffer, Gastrointestinal Fluids and Model Wine. <i>Toxins</i> , 2020, 12, 466.	3.4	22
90	Concomitantly Controlling Harmful Fumes Generation and Enhancing Mechanical Properties of SBS Modified Asphalt by the Incorporation of MIL-101(Cr) as Modifier. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	5

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91	Modification of bentonite with orange peels extract and its application as mycotoxins™ binder in buffered solutions and simulated gastrointestinal fluids. <i>Journal of Cleaner Production</i> , 2020, 267, 122105.	9.3	27
92	Defect engineering of NH <sub>2</sub> -MIL-88B(Fe) using different monodentate ligands for enhancement of photo-Fenton catalytic performance of acetamiprid degradation. <i>Chemical Engineering Journal</i> , 2020, 398, 125684.	12.7	87
93	Unusual Pd nanoparticle dispersion in microenvironment for p-nitrophenol and methylene blue catalytic reduction. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 37-46.	9.4	38
94	Controlled preparation of cerium oxide loaded slag-based geopolymer microspheres (CeO <sub>2</sub> @SGMs) for the adsorptive removal and solidification of F <sup>-</sup> from acidic waste-water. <i>Journal of Hazardous Materials</i> , 2020, 400, 123199.	12.4	40
95	Photocatalytic oxidative degradation of hydrocarbon pollutants in refinery wastewater using TiO <sub>2</sub> as catalyst. <i>Water Environment Research</i> , 2020, 92, 2086-2094.	2.7	21
96	Fabrication of magnetically separable 3-acrylamidopropyltrimethylammonium chloride intercalated bentonite composite for the efficient adsorption of cationic and anionic dyes. <i>Applied Surface Science</i> , 2020, 514, 145929.	6.1	40
97	Fabrication and application of polyurea formaldehyde-bioasphalt microcapsules as a secondary modifier for the preparation of high self-healing rate SBS modified asphalt. <i>Construction and Building Materials</i> , 2020, 246, 118452.	7.2	24
98	Study on the properties of GNPs/PS and GNPs/ODA composites incorporated SBS modified asphalt after short-term and long-term aging. <i>Construction and Building Materials</i> , 2020, 261, 119682.	7.2	26
99	Enhanced moisture-resistance and excellent photocatalytic performance of synchronous N/Zn-decorated MIL-125(Ti) for vaporous acetaldehyde degradation. <i>Chemical Engineering Journal</i> , 2020, 388, 124389.	12.7	71
100	Immobilized metal affinity chromatography matrix modified by poly (ethylene glycol) methyl ether for purification of angiotensin I-converting enzyme inhibitory peptide from casein hydrolysate. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1143, 122042.	2.3	12
101	Synthesis of sodium dodecyl sulfate modified BiOBr/magnetic bentonite photocatalyst with Three-dimensional parterre like structure for the enhanced photodegradation of tetracycline and ciprofloxacin. <i>Chemical Engineering Journal</i> , 2020, 388, 124374.	12.7	85
102	Potentially toxic elements™ occurrence and risk assessment through water and soil of Chitral urban environment, Pakistan: a case study. <i>Environmental Geochemistry and Health</i> , 2020, 42, 4355-4368.	3.4	28
103	Simulation and optimization of reactive distillation for the production of ethyl acetate using [BMIM]HSO <sub>4</sub> as catalyst. <i>Chemical Engineering Research and Design</i> , 2020, 161, 218-231.	5.6	22
104	Microwave assisted fabrication of polymethyl methacrylate-graphene composite nanoparticles applied for the preparation of SBS modified asphalt with enhanced high temperature performance. <i>Polymer Testing</i> , 2020, 85, 106388.	4.8	20
105	Construction of Cu-bridged Cu <sub>2</sub> O/MIL(Fe/Cu) catalyst with enhanced interfacial contact for the synergistic photo-Fenton degradation of thiacloprid. <i>Chemical Engineering Journal</i> , 2020, 395, 125184.	12.7	90
106	Analysis of Virgin Asphalt Brands via the Integrated Application of FTIR and Gel Permeation Chromatography. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 7999-8009.	3.0	10
107	Engineering pH-switchable UiO-66 via in-situ amino acid doping for highly selective adsorption of anionic dyes. <i>Chemical Engineering Journal</i> , 2020, 395, 124958.	12.7	56
108	Enhancing regioselectivity via tuning the microenvironment in heterogeneous hydroformylation of olefins. <i>Journal of Catalysis</i> , 2020, 387, 196-206.	6.2	46

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109	Superior dye degradation and adsorption capability of polydopamine modified Fe <sub>3</sub> O <sub>4</sub> -pillared bentonite composite. <i>Journal of Hazardous Materials</i> , 2020, 397, 122758.	12.4	139
110	Synthesis, characterization and applications of metallic nanoparticles/rGO blended poly methyl methacrylate membranes for the efficient removal of Cd <sup>2+</sup> from model and real wastewater. <i>New Journal of Chemistry</i> , 2020, 44, 15593-15608.	2.8	26
111	SYNTHESIS AND CHARACTERIZATION OF GADOLINIUM-BASED NANOCRYSTALS FOR THEIR POTENTIAL APPLICATION AS TRIMODAL IMAGING CONTRAST AGENTS. <i>Journal of the Chilean Chemical Society</i> , 2020, 65, 4717-4721.	1.2	0
112	Preparation of CeO <sub>2</sub> @SiO <sub>2</sub> Microspheres by a Non-sintering Strategy for Highly Selective and Continuous Adsorption of Fluoride Ions from Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14716-14726.	6.7	42
113	Purification, Characterization and Evaluation of Inhibitory Mechanism of ACE Inhibitory Peptides from Pearl Oyster ( <i>Pinctada fucata martensii</i> ) Meat Protein Hydrolysate. <i>Marine Drugs</i> , 2019, 17, 463.	4.6	40
114	Nitrogen-Doped Hollow Copolymer Tube via Template-Free Asynchronous Polymerization with Highly Selective Separation of Hydrophilic Dipeptide for Enhancing Inhibitory Activity of Angiotensin Converting Enzyme. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31700-31708.	8.0	15
115	Studies on the Selection of a Catalyst-Oxidant System for the Energy-Efficient Desulfurization and Denitrogenation of Fuel Oil at Mild Operating Conditions. <i>Energy &amp; Fuels</i> , 2019, 33, 8423-8439.	5.1	55
116	Synthesis and application of PDMS/OP-POSS membrane for the pervaporative recovery of n-butyl acetate and ethyl acetate from aqueous media. <i>Journal of Membrane Science</i> , 2019, 591, 117324.	8.2	26
117	Template/surfactant free and UV light irradiation assisted fabrication of Mn-Co oxides composite nanorings: Structure and synthesis mechanism. <i>Progress in Natural Science: Materials International</i> , 2019, 29, 163-169.	4.4	2
118	Synthesis and evaluation of high-temperature properties of butylated graphene oxide composite incorporated SBS (C <sub>4</sub> H <sub>9</sub> -GO/SBS)-modified asphalt. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48231.	2.6	34
119	Enhancing effect of microalgae biodiesel incorporation on the performance of crumb Rubber/SBS modified asphalt. <i>Journal of Cleaner Production</i> , 2019, 237, 117725.	9.3	72
120	Synthesis of Fe <sub>2</sub> O <sub>3</sub> -modified porous geopolymer microspheres for highly selective adsorption and solidification of F <sup>-</sup> from waste-water. <i>Composites Part B: Engineering</i> , 2019, 178, 107497.	12.0	43
121	Preparation and properties of aminated graphene fiber incorporated modified asphalt. <i>Construction and Building Materials</i> , 2019, 229, 116836.	7.2	38
122	Fabrication and properties of wide temperature domain pavement seaweed modified bio-bitumen. <i>Construction and Building Materials</i> , 2019, 227, 117079.	7.2	12
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