

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	Superior dye degradation and adsorption capability of polydopamine modified Fe ₃ O ₄ -pillared bentonite composite. <i>Journal of Hazardous Materials</i> , 2020, 397, 122758.	12.4	139
2	Preparation of highly-hydrophobic novel N-coordinated UiO-66(Zr) with dopamine via fast mechano-chemical method for (CHO-/Cl-)-VOCs competitive adsorption in humid environment. <i>Chemical Engineering Journal</i> , 2018, 332, 608-618.	12.7	135
3	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
4	Research advances on anticancer activities of matrine and its derivatives: An updated overview. <i>European Journal of Medicinal Chemistry</i> , 2019, 161, 205-238.	5.5	122
5	Ultra-fast and highly efficient catalytic oxidative desulfurization of dibenzothiophene at ambient temperature over low Mn loaded Co-Mo/Al ₂ O ₃ and Ni-Mo/Al ₂ O ₃ catalysts using NaClO as oxidant. <i>Fuel</i> , 2019, 237, 793-805.	6.4	118
6	Construction of crystal defect sites in N-coordinated UiO-66 via mechanochemical in-situ N-doping strategy for highly selective adsorption of cationic dyes. <i>Chemical Engineering Journal</i> , 2019, 356, 329-340.	12.7	109
7	Promising anti-inflammatory effects of chalcones via inhibition of cyclooxygenase, prostaglandin E ₂ , inducible NO synthase and nuclear factor κ B activities. <i>Bioorganic Chemistry</i> , 2019, 87, 335-365.	4.1	107
8	Enhanced interfacial contact of dopamine bridged melamine-graphene/TiO ₂ nano-capsules for efficient photocatalytic degradation of gaseous formaldehyde. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 182-193.	20.2	104
9	Preparation and properties of soybean bio-asphalt/SBS modified petroleum asphalt. <i>Construction and Building Materials</i> , 2019, 201, 268-277.	7.2	93
10	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
11	Construction of Cu-bridged Cu ₂ 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
12	Synthesis of highly efficient porous inorganic polymer microspheres for the adsorptive removal of Pb ²⁺ from wastewater. <i>Journal of Cleaner Production</i> , 2018, 193, 351-362.	9.3	88
13	Defect engineering of NH ₂ -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
14	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
15	Fabrication of n-n isotype BiOBr-Bi ₂ WO ₆ heterojunctions by inserting Bi ₂ WO ₆ 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
16	Fabrication of MnO ₂ 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
17	Effect of polystyrene grafted graphene nanoplatelets on the physical and chemical properties of asphalt binder. <i>Construction and Building Materials</i> , 2018, 174, 108-119.	7.2	78
18	Fabrication of surface alkalized g-C ₃ N ₄ and TiO ₂ composite for the synergistic adsorption-photocatalytic degradation of methylene blue. <i>Applied Surface Science</i> , 2019, 473, 855-863.	6.1	74

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19	Boosting the hydrodesulfurization of dibenzothiophene efficiency of Mn decorated (Co/Ni)-Mo/Al ₂ O ₃ catalysts at mild temperature and pressure by coupling with phosphonium based ionic liquids. <i>Chemical Engineering Journal</i> , 2019, 375, 121957.	12.7	73
20	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
21	Oxidative desulfurization of dibenzothiophene over Fe promoted Co-Mo/Al ₂ O ₃ and Ni-Mo/Al ₂ O ₃ catalysts using hydrogen peroxide and formic acid as oxidants. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 593-600.	3.5	71
22	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
23	Studies on the properties of modified heavy calcium carbonate and SBS composite modified asphalt. <i>Construction and Building Materials</i> , 2019, 218, 413-423.	7.2	64
24	Studies on the secondary modification of SBS modified asphalt by the application of octadecyl amine grafted graphene nanoplatelets as modifier. <i>Diamond and Related Materials</i> , 2018, 89, 140-150.	3.9	60
25	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
26	Catalytic Methanation of Carbon Dioxide by Active Oxygen Material Ce _x Zr _{1-x} O ₂ Supported Ni ₂ Co Bimetallic Nanocatalysts. <i>AIChE Journal</i> , 2013, 59, 2567-2576.	3.6	59
27	Estimation of densities of ionic liquids using Patel-Teja equation of state and critical properties determined from group contribution method. <i>Chemical Engineering Science</i> , 2011, 66, 2690-2698.	3.8	58
28	Facile fabrication of metakaolin/slag-based zeolite microspheres (M/SZMs) geopolymer for the efficient remediation of Cs ⁺ and Sr ²⁺ from aqueous media. <i>Journal of Hazardous Materials</i> , 2021, 406, 124292.	12.4	58
29	Measurement of water resistance of asphalt based on surface free energy analysis using stripping work between asphalt-aggregate system. <i>Construction and Building Materials</i> , 2018, 176, 422-431.	7.2	57
30	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
31	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 & Fuels</i> , 2019, 33, 8423-8439.	5.1	55
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	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
34	Hydrodesulfurization of dibenzothiophene using Pd-promoted Co-Mo/Al ₂ O ₃ and Ni-Mo/Al ₂ O ₃ catalysts coupled with ionic liquids at ambient operating conditions. <i>RSC Advances</i> , 2019, 9, 10371-10385.	3.6	54
35	Dibenzothiophene hydrodesulfurization over Ru promoted alumina based catalysts using in situ generated hydrogen. <i>Energy Conversion and Management</i> , 2011, 52, 1364-1370.	9.2	53
36	Density functional theory and phytochemical study of 8-hydroxyisodiospyrin. <i>Journal of Molecular Structure</i> , 2015, 1095, 69-78.	3.6	53

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37	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
38	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
39	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
40	Dibenzothiophene hydrodesulfurization using in situ generated hydrogen over Pd promoted alumina-based catalysts. <i>Fuel Processing Technology</i> , 2011, 92, 624-630.	7.2	48
41	Adsorptive desulfurization of model oil using untreated, acid activated and magnetite nanoparticle loaded bentonite as adsorbent. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 143-151.	5.2	48
42	High-density immobilization of laccase on hollow nano-sphere NH ₂ -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
43	Effect of Fe ₃ O ₄ content and microwave reaction time on the properties of Fe ₃ O ₄ /ZnO magnetic nanoparticles. <i>Journal of Alloys and Compounds</i> , 2019, 781, 790-799.	5.5	46
44	Enhancing regioselectivity via tuning the microenvironment in heterogeneous hydroformylation of olefins. <i>Journal of Catalysis</i> , 2020, 387, 196-206.	6.2	46
45	Comparative analysis, road performance and mechanism of modification of polystyrene graphene nanoplatelets (PS-GNPs) and octadecyl amine graphene nanoplatelets (ODA-GNPs) modified SBS incorporated asphalt binders. <i>Construction and Building Materials</i> , 2018, 193, 501-517.	7.2	45
46	Synthesis of Fe ₂ O ₃ -modified porous geopolymer microspheres for highly selective adsorption and solidification of F ⁻ from waste-water. <i>Composites Part B: Engineering</i> , 2019, 178, 107497.	12.0	43
47	N-Doped porous graphitic carbon with multi-flaky shell hollow structure prepared using a green and "useful" template of CaCO ₃ for VOC fast adsorption and small peptide enrichment. <i>Chemical Communications</i> , 2017, 53, 3442-3445.	4.1	42
48	Preparation of CeO ₂ @SiO ₂ 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
49	"Useful" template synthesis of N-doped acicular hollow porous carbon/carbon-nanotubes for enhanced capture and selectivity of CO ₂ . <i>Chemical Engineering Journal</i> , 2019, 361, 278-285.	12.7	42
50	Construction of ultra-stable and Z-scheme Fe-Graphdiyne/MIL-100(Fe) photo-Fenton catalyst with C ₆ A=AC-Fe O interface for the highly enhanced catalytic degradation of Dinotefuran. <i>Chemical Engineering Journal</i> , 2021, 426, 131621.	12.7	41
51	Novel MoP/HY catalyst for the selective conversion of naphthalene to tetralin. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 21-26.	5.8	40
52	Highly Advanced Degradation of Thiamethoxam by Synergistic Chemisorption-Catalysis Strategy Using MIL(Fe)/Fe-SPC Composites with Ultrasonic Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35260-35272.	8.0	40
53	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
54	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

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55	Controlled preparation of cerium oxide loaded slag-based geopolymer microspheres (CeO ₂ @SGMs) for the adsorptive removal and solidification of F ⁻ from acidic waste-water. <i>Journal of Hazardous Materials</i> , 2020, 400, 123199.	12.4	40
56	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
57	Performance evaluation of modified asphalt based trackless tack coat materials. <i>Construction and Building Materials</i> , 2018, 165, 385-394.	7.2	39
58	IL-assisted synthesis of defect-rich polyaniline/NH ₂ -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
59	Preparation and properties of aminated graphene fiber incorporated modified asphalt. <i>Construction and Building Materials</i> , 2019, 229, 116836.	7.2	38
60	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
61	A review on the self-healing ability of epoxy polymers. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50260.	2.6	38
62	Fabrication of rGO-CuO and/or Ag ₂ O nanoparticles incorporated polyvinyl acetate based mixed matrix membranes for the removal of Cr ⁶⁺ from anti-corrosive paint industrial wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105151.	6.7	37
63	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
64	Pyrolic N-enriched carbon fabricated from dopamine-melamine via fast mechanochemical copolymerization for highly selective separation of CO ₂ from CO ₂ /N ₂ . <i>Chemical Engineering Journal</i> , 2018, 349, 92-100.	12.7	34
65	Synthesis and evaluation of high-temperature properties of butylated graphene oxide composite incorporated SBS (C ₄ H ₉ -GO/SBS)-modified asphalt. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48231.	2.6	34
66	Synthesis and properties of octadecylamine-graphene oxide modified highly hydrophobic waterborne polyurethane emulsion. <i>Progress in Organic Coatings</i> , 2018, 125, 234-241.	3.9	33
67	Preparation Methods and Performance of Modified Asphalt Using Rubber-Plastic Alloy and Its Compounds. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	2.9	33
68	Fabrication and performance evaluation of aminopropyl triethoxysilane-dopamine-MoS ₂ incorporated SBS modified asphalt. <i>Construction and Building Materials</i> , 2020, 265, 120346.	7.2	33
69	Preparation of TiO ₂ /PS-rGO incorporated SBS modified asphalt with enhanced resistance against ultraviolet aging. <i>Construction and Building Materials</i> , 2021, 276, 121461.	7.2	32
70	Preparation of TiO ₂ photocatalyst microspheres by geopolymer technology for the degradation of tetracycline. <i>Journal of Cleaner Production</i> , 2022, 339, 130734.	9.3	32
71	Hausmannite Mn ₃ O ₄ functionalized graphene Oxide-NaClO system for oxidative desulfurization and denitrogenation of fuel oils. <i>Fuel</i> , 2022, 321, 124017.	6.4	32
72	Biomimetic O ₂ -carrying and highly in-situ H ₂ O ₂ generation using Ti ₃ C ₂ 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

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73	Simultaneous operation of dibenzothiophene hydrodesulfurization and methanol reforming reactions over Pd promoted alumina based catalysts. Journal of Fuel Chemistry and Technology, 2012, 40, 714-720.	2.0	30
74	Low-temperature and low-pressure fuel hydrodesulfurization by solid catalyst coupling with ionic liquids. Fuel, 2014, 134, 74-80.	6.4	30
75	Studies on the Interaction between Angiotensin-Converting Enzyme (ACE) and ACE Inhibitory Peptide from <i>Saurida elongata</i> . Journal of Agricultural and Food Chemistry, 2018, 66, 13414-13422.	5.2	30
76	Preparation and Properties of SBS-g-GOs-Modified Asphalt Based on a Thiol-ene Click Reaction in a Bituminous Environment. Polymers, 2018, 10, 1264.	4.5	29
77	Citric Acid Modified Bentonite for Congo Red Adsorption. Frontiers in Materials, 2019, 6, .	2.4	29
78	Mechanisms of enhanced hexavalent chromium removal from groundwater by sodium carboxymethyl cellulose stabilized zerovalent iron nanoparticles. Journal of Environmental Management, 2020, 276, 111245.	7.8	29
79	Hydrophobic shell structured NH ₂ -MIL(Ti)-125@mesoporous carbon composite via confined growth strategy for ultra-high selective adsorption of toluene under highly humid environment. Chemical Engineering Journal, 2022, 432, 134340.	12.7	29
80	Potentially toxic elements occurrence and risk assessment through water and soil of Chitral urban environment, Pakistan: a case study. Environmental Geochemistry and Health, 2020, 42, 4355-4368.	3.4	28
81	Oxidative Desulfurization of Petroleum Distillate Fractions Using Manganese Dioxide Supported on Magnetic Reduced Graphene Oxide as Catalyst. Nanomaterials, 2021, 11, 203.	4.1	28
82	Fabrication of highly dispersed Pt NPs in nanoconfined spaces of as-made KIT-6 for nitrophenol and MB catalytic reduction in water. Separation and Purification Technology, 2021, 265, 118532.	7.9	28
83	A bioactivated in vivo assembly nanotechnology fabricated NIR probe for small pancreatic tumor intraoperative imaging. Nature Communications, 2022, 13, 418.	12.8	28
84	Modification of bentonite with orange peels extract and its application as mycotoxins binder in buffered solutions and simulated gastrointestinal fluids. Journal of Cleaner Production, 2020, 267, 122105.	9.3	27
85	Oxidative desulfurization of model and real petroleum distillates using Cu or Ni impregnated banana peels derived activated carbon/NaClO oxidant system. Chemical Engineering Research and Design, 2022, 179, 107-118.	5.6	27
86	Synthesis and application of PDMS/OP-POSS membrane for the pervaporative recovery of n-butyl acetate and ethyl acetate from aqueous media. Journal of Membrane Science, 2019, 591, 117324.	8.2	26
87	Study on the properties of GNPs/PS and GNPs/ODA composites incorporated SBS modified asphalt after short-term and long-term aging. Construction and Building Materials, 2020, 261, 119682.	7.2	26
88	Effect of ionic liquid assisted hydrothermal carbonization on the properties and gasification reactivity of hydrochar derived from eucalyptus. Journal of Colloid and Interface Science, 2021, 586, 423-432.	9.4	26
89	Synthesis, characterization and applications of metallic nanoparticles/rGO blended poly methyl methacrylate membranes for the efficient removal of Cd ²⁺ from model and real wastewater. New Journal of Chemistry, 2020, 44, 15593-15608.	2.8	26
90	Photo-mediated co-loading of highly dispersed MnO _x -Pt on g-C ₃ N ₄ boosts the ambient catalytic oxidation of formaldehyde. Nanoscale, 2019, 11, 8160-8169.	5.6	24

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91	Preparation of Octadecyl Amine Grafted over Waste Rubber Powder (ODA-WRP) and Properties of Its Incorporation in SBS-Modified Asphalt. <i>Polymers</i> , 2019, 11, 665.	4.5	24
92	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
93	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
94	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
95	Synthesis and characterization of reactive macroporous poly(glycidyl methacrylate- ϵ -triallyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF synthesis variables on surface area and porosity. <i>Journal of Applied Polymer Science</i> , 2012, 124, 915-926.	2.6	23
96	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
97	Engineering TiO ₂ 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
98	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
99	Synthesis of magnetic Fe-N doped porous carbon possessing hollow-acicular structure with high activity and stability for lumbrukinase adsorptive immobilization. <i>Chemical Engineering Journal</i> , 2018, 334, 1699-1708.	12.7	22
100	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
101	Simulation and optimization of reactive distillation for the production of ethyl acetate using [BMIM]HSO ₄ as catalyst. <i>Chemical Engineering Research and Design</i> , 2020, 161, 218-231.	5.6	22
102	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
103	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
104	Desulfurization of liquid fuels by air assisted peracid oxidation system in the presence of Fe-ZSM-5 catalyst. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2530-2537.	2.7	21
105	In-situ fabrication and catalytic performance of Co-Mn@CuO core-shell nanowires on copper meshes/foams. <i>Materials and Design</i> , 2018, 147, 182-190.	7.0	21
106	Photocatalytic oxidative degradation of hydrocarbon pollutants in refinery wastewater using TiO ₂ as catalyst. <i>Water Environment Research</i> , 2020, 92, 2086-2094.	2.7	21
107	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
108	Study on preparation and properties of new thermosetting epoxy asphalt. <i>Construction and Building Materials</i> , 2021, 311, 125307.	7.2	21

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109	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
110	Fast catalytic conversion of diethylene glycol to morpholine over thermally stable Zn promoted Cu-NiO/Al ₂ O ₃ catalyst prepared via combustion approach. <i>Applied Catalysis A: General</i> , 2018, 555, 138-147.	4.3	20
111	Catalytic Activity and Molecular Behavior of Lanthanum Modified CoS ₂ /Al ₂ O ₃ Catalysts for the Reduction of SO ₂ to Sulfur in Smelter Off-Gas Using CO-H ₂ Mixture as Reductant. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 3595-3605.	3.7	20
112	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
113	Controlled fabrication of Au@MnO ₂ core/shell assembled nanosheets by localized surface plasmon resonance. <i>Applied Surface Science</i> , 2021, 537, 147912.	6.1	20
114	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
115	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
116	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
117	Kinetic Evaluation of Hydrodesulfurization and Hydrodenitrogenation Reactions via a Lumped Model. <i>Energy & Fuels</i> , 2017, 31, 5491-5497.	5.1	18
118	Preparation and conversion mechanism of different geopolymer-based zeolite microspheres and their adsorption properties for Pb ²⁺ . <i>Separation and Purification Technology</i> , 2022, 282, 119971.	7.9	18
119	Kinetics of manganese leaching from an iron-rich manganese dioxide ore with bagasse pith as a reductant. <i>New Journal of Chemistry</i> , 2018, 42, 20144-20151.	2.8	17
120	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
121	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
122	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
123	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
124	Preparation of Al ₂ O ₃ -2SiO ₂ /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
125	Modeling of kinetic-based catalyst grading for upgrading shale oil hydrogenation. <i>Fuel</i> , 2016, 166, 19-23.	6.4	15
126	Synthesis of Highly Selective Magnetite (Fe ₃ O ₄) and Tyrosinase Immobilized on Chitosan Microspheres as Low Potential Electrochemical Biosensor. <i>Journal of the Electrochemical Society</i> , 2018, 165, G11-G17.	2.9	15

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127	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 & Interfaces</i> , 2019, 11, 31700-31708.	8.0	15
128	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
129	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
130	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
131	Facile synthesis of hierarchical N-doped hollow porous carbon whiskers with ultrahigh surface area via synergistic inner-outer activation for casein hydrolysate adsorption. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9211-9218.	5.8	13
132	Preparation and properties of modified graphene oxide incorporated waterborne polyurethane acrylate. <i>Polymer International</i> , 2019, 68, 1091-1101.	3.1	13
133	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
134	Fabrication and properties of wide temperature domain pavement seaweed modified bio-bitumen. <i>Construction and Building Materials</i> , 2019, 227, 117079.	7.2	12
135	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
136	Enhancement in the active site exposure in a porphyrin-based PIL/graphene composite catalyst for the highly efficient conversion of CO ₂ . <i>Dalton Transactions</i> , 2022, 51, 3331-3340.	3.3	12
137	Experimental and modelling studies of pervaporative removal of odorous diacetyl and S-methylthiobutanoate from aqueous solutions using PEBA membrane. <i>Separation and Purification Technology</i> , 2018, 200, 1-10.	7.9	11
138	Kinetic study and process simulation of esterification of acetic acid and ethanol catalyzed by [HSO ₃ -bmim][HSO ₄]. <i>Chemical Engineering Research and Design</i> , 2018, 137, 235-245.	5.6	11
139	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
140	Preparation of hyperbranched-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
141	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
142	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
143	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
144	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

#	ARTICLE	IF	CITATIONS
145	Preparation of n-amyl acetate via esterification of acetic acid and n-amyl alcohol using [HSO ₃ -pmim][HSO ₄]/SiO ₂ as catalyst: Catalyst preparation, characterization and reaction kinetics. <i>Chemical Engineering Journal</i> , 2021, 410, 128282.	12.7	10
146	Fabrication of MoS ₂ -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
147	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
148	Study on the Intensification of Reaction Kinetics and Reactive Distillation for the Esterification of <i>n</i> -Butyl Acetate Using [HSO ₃ -BMIM][HSO ₄] as a High-Efficiency Ionic Liquid Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 12847-12863.	3.7	10
149	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
150	Fabrication of graphite/MgO-reinforced poly(vinyl chloride) composites by mechanical activation with enhanced thermal properties. <i>RSC Advances</i> , 2019, 9, 2116-2124.	3.6	9
151	Extraction of Cd ²⁺ from Model Aqueous Solution and Waste Tonner Carbon Using Polypropylene-Supported Liquid Membrane and Na ₂ CO ₃ as Strippant. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 6411-6422.	3.0	9
152	Synthesis and properties of polydimethylsiloxane/graphene oxide modified, water-based polyurethane/polyacrylate. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47926.	2.6	9
153	Synthesis, characterization and activity performance of nickel-loaded spent FCC catalyst for pine gum hydrogenation. <i>RSC Advances</i> , 2019, 9, 6515-6525.	3.6	9
154	Effect of incorporation of biomimetic Fe ₃ O ₄ -PET and Fe ₃ O ₄ -chitosan-PET fibers on the performance of SBS modified asphalt. <i>Construction and Building Materials</i> , 2021, 312, 125386.	7.2	9
155	Porous Fe@C Composites Derived from Silkworm Excrement for Effective Separation of Anisole Compounds. <i>ACS Omega</i> , 2019, 4, 21204-21213.	3.5	8
156	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
157	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
158	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
159	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
160	Studies on the Variation in Performance of Different Types of Asphalts Produced from the Same Oil Source. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 4855-4862.	3.0	7
161	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
162	Irradiation regulates the size of Pt nanoparticles on Au@MnO ₂ nanosheets for electrocatalytic hydrogen evolution. <i>New Journal of Chemistry</i> , 0, , .	2.8	7

#	ARTICLE	IF	CITATIONS
163	Controlled preparation of micro/nano hierarchical hollow calcium carbonate microspheres by pressurized-CO ₂ carbonization and their CaCO ₃ :Eu ³⁺ photoluminescence properties. CrystEngComm, 2021, 23, 3033-3042.	2.6	6
164	Carboxymethylcellulose-chitosan film modified magnetic alkaline Ca-bentonite for the efficient removal of Pb(II) and Cd(II) from aqueous solution. Environmental Science and Pollution Research, 2021, 28, 30312-30322.	5.3	6
165	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. Food Research International, 2021, 141, 110144.	6.2	6
166	Fabrication of MNPs/rGO/PMMA Composite for the Removal of Hazardous Cr(VI) from Tannery Wastewater through Batch and Continuous Mode Adsorption. Materials, 2021, 14, 6923.	2.9	6
167	Synthesis and Performance Evaluation of Modified Asphalt-Based Trackless Tack Coat Material. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	5
168	Graphene incorporated poly(vinyl chloride) composites prepared by mechanical activation with enhanced electrical and thermo-mechanical properties. Journal of Applied Polymer Science, 2020, 137, 48375.	2.6	5
169	Concomitantly Controlling Harmful Fumes Generation and Enhancing Mechanical Properties of SBS Modified Asphalt by the Incorporation of MIL-101(Cr) as Modifier. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	5
170	Synthesis of tannic <sc>acid</sc>-terephthalyl chloride modified rubber powder for the fabrication of tannic <sc>acid</sc>-terephthalyl chloride-rubber/styrene-butadiene-styrene modified asphalt. Journal of Applied Polymer Science, 2022, 139, 51813.	2.6	5
171	A flexible Schiff base probe for spectrophotometric detection of chromium (III). International Journal of Environmental Science and Technology, 2019, 16, 5577-5584.	3.5	4
172	Enhanced acetone sensing from Zn(II)-MOFs comprising tetranuclear metal clusters built with EDC and BDC ligands. Inorganic Chemistry Communication, 2021, 123, 108339.	3.9	4
173	Study on the Self-healing Performance of Urea-Formaldehyde-Dicyclopentadiene (UF-DCPD) Microcapsules-Incorporated SBS Polymer-Modified Asphalt. Arabian Journal for Science and Engineering, 2022, 47, 5079-5091.	3.0	4
174	Preparation of Ca- and Na-Modified Activated Clay as a Promising Heterogeneous Catalyst for Biodiesel Production via Transesterification. Applied Sciences (Switzerland), 2022, 12, 4667.	2.5	4
175	Solvent Degradation in CO ₂ Capture Process from Power Plant Flue Gas. Theoretical and Experimental Chemistry, 2014, 49, 371-375.	0.8	3
176	Preparation and Performance Evaluation of Butylated Graphene Oxide (C ₄ H ₉ -GO) Incorporated Modified Cement. Arabian Journal for Science and Engineering, 2022, 47, 3991-4002.	3.0	3
177	Catalytic reduction of nitrophenol and MB waste water using homogeneous Pt NPs confined in hierarchically porous silica. Journal of Environmental Chemical Engineering, 2021, 9, 105567.	6.7	3
178	Template/surfactant free and UV light irradiation assisted fabrication of Mn-Co oxides composite nanorings: Structure and synthesis mechanism. Progress in Natural Science: Materials International, 2019, 29, 163-169.	4.4	2
179	Residual organics removal from manganese electrochemical solution using combined Fenton oxidation process with adsorption over activated carbon. Environmental Science and Pollution Research, 2020, 27, 44240-44248.	5.3	2
180	Preparation of cement mortars incorporating polystyrene-graphene nanosheets and octadecylamine-graphene nanosheets for enhanced mechanical properties. Journal of Sol-Gel Science and Technology, 2022, 101, 287-298.	2.4	2

#	ARTICLE	IF	CITATIONS
181	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
182	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
183	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
184	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
185	Preparation of Fe ₂ O ₃ , NiO ₂ , and ZnO supported montmorillonite clay for oxidative desulfurization of transportation fuels in O ₂ /CH ₃ COOH oxidation system. <i>Petroleum Science and Technology</i> , 2023, 41, 1292-1311.	1.5	0