

Mu Naushad

List of Publications by Year in descending order

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473
papers

31,115
citations

2795

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7718

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all docs

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Fabrication of a Z-scheme Zn ₃ V ₂ O ₈ /g-C ₃ N ₄ nano-heterojunction with high interfacial charge transfer for superior photocatalytic removal of diazinon pesticide under visible light. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 3643-3658.	1.6	6
2	Hydrometallurgical processes for heavy metals recovery from industrial sludges. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 1022-1062.	6.6	57
3	Environmental Pollution Remediation via Photocatalytic Degradation of Sulfamethoxazole from Waste Water Using Sustainable Ag ₂ S/Bi ₂ S ₃ /g-C ₃ N ₄ Nano-Hybrids. <i>Earth Systems and Environment</i> , 2022, 6, 141-156.	3.0	19
4	Accelerated charge transfer in well-designed S-scheme Fe@TiO ₂ /Boron carbon nitride heterostructures for high performance tetracycline removal and selective photo-reduction of CO ₂ greenhouse gas into CH ₄ fuel. <i>Chemosphere</i> , 2022, 287, 132301.	4.2	35
5	Chemical analysis of low carbon content coals and their applications as dye adsorbent. <i>Chemosphere</i> , 2022, 287, 132286.	4.2	12
6	Modified TiO ₂ , nanotubes-zeolite composite photocatalyst: Characteristics, microstructure and applicability for degrading triclocarban. <i>Chemosphere</i> , 2022, 287, 132278.	4.2	2
7	Adsorption of cationic dyes onto carrageenan and itaconic acid-based superabsorbent hydrogel: Synthesis, characterization and isotherm analysis. <i>Journal of Hazardous Materials</i> , 2022, 421, 126729.	6.5	100
8	Applications of artificial intelligence in water treatment for optimization and automation of adsorption processes: Recent advances and prospects. <i>Chemical Engineering Journal</i> , 2022, 427, 130011.	6.6	155
9	Precipitation of (Mg/Fe-CTAB) - Layered double hydroxide nanoparticles onto sewage sludge for producing novel sorbent to remove Congo red and methylene blue dyes from aqueous environment. <i>Chemosphere</i> , 2022, 291, 132693.	4.2	15
10	Sustainable green nanoadsorbents for remediation of pharmaceuticals from water and wastewater: A critical review. <i>Environmental Research</i> , 2022, 204, 112243.	3.7	57
11	Visible light-driven photocatalytic rapid degradation of organic contaminants engaging manganese dioxide-incorporated iron oxide three dimensional nanoflowers. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2347-2357.	5.0	22
12	Generation of novel n-p-n (CeO ₂ -PPy-ZnO) heterojunction for photocatalytic degradation of micro-organic pollutants. <i>Environmental Pollution</i> , 2022, 292, 118375.	3.7	62
13	Eco-friendly design of functionalized graphene oxide incorporated alginate beads for selective fluoride retention. <i>Diamond and Related Materials</i> , 2022, 121, 108747.	1.8	11
14	A comprehensive review on the removal of noxious pollutants using carrageenan based advanced adsorbents. <i>Chemosphere</i> , 2022, 289, 133100.	4.2	29
15	Metallic and bimetallic phosphides-based nanomaterials for photocatalytic hydrogen production and water detoxification: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 597-632.	8.3	12
16	Fabrication of Multi-functionalized Graphene Oxide Doped Alginate Hybrid Spheres for Enhanced Fluoride Adsorption. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 216-228.	1.9	14
17	Emerging contaminants of high concern for the environment: Current trends and future research. <i>Environmental Research</i> , 2022, 207, 112609.	3.7	226
18	ZnO-based heterostructures as photocatalysts for hydrogen generation and depollution: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1047-1081.	8.3	68

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19	Eco-friendly synthesis of cobalt-zinc ferrites using quince extract for adsorption and catalytic applications: An approach towards environmental remediation. <i>Chemosphere</i> , 2022, 294, 133565.	4.2	22
20	Amine-amide functionalized graphene oxide sheets as bifunctional adsorbent for the removal of polar organic pollutants. <i>Journal of Hazardous Materials</i> , 2022, 429, 128308.	6.5	26
21	Biopolymer mixture-entrapped modified graphene oxide for sustainable treatment of heavy metal contaminated real surface water. <i>Journal of Water Process Engineering</i> , 2022, 46, 102631.	2.6	20
22	Activated Carbon as Superadsorbent and Sustainable Material for Diverse Applications. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	40
23	Gum Acacia-Crosslinked-Poly(Acrylamide) Hydrogel Supported C ₃ N ₄ /BiOI Heterostructure for Remediation of Noxious Crystal Violet Dye. <i>Materials</i> , 2022, 15, 2549.	1.3	6
24	Fabrication of hydroxyapatite embedded cerium-organic frameworks for fluoride capture from water. <i>Journal of Molecular Liquids</i> , 2022, 354, 118830.	2.3	28
25	Rationally designed and hierarchically structured functionalized aluminium organic frameworks incorporated chitosan hybrid beads for defluoridation of water. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 941-951.	3.6	22
26	Emerging remediation potentiality of struvite developed from municipal wastewater for the treatment of acid mine drainage. <i>Environmental Research</i> , 2022, 210, 112944.	3.7	31
27	Evaluation of photocatalytic performances of PEG and PVP capped zinc sulfide nanoparticles towards organic environmental pollutant in presence of sunlight. <i>Chemosphere</i> , 2022, 298, 134281.	4.2	12
28	Fabrication and Characterization of Xanthan Gum-cl-poly(acrylamide-co-alginic acid) Hydrogel for Adsorption of Cadmium Ions from Aqueous Medium. <i>Gels</i> , 2022, 8, 23.	2.1	22
29	Development and characterization of hydroxyapatite layered lanthanum organic frameworks by template method for defluoridation of water. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 228-238.	5.0	33
30	Remediation of wastewater containing 4-nitrophenol using ionic liquid stabilized nanoparticles: Synthesis, characterizations and applications. <i>Chemosphere</i> , 2022, 303, 135173.	4.2	8
31	Production of carbon-based adsorbents from lignocellulosic biomass. , 2022, , 169-192.		8
32	Developing Benign Ni/g-C ₃ N ₄ Catalysts for CO ₂ Hydrogenation: Activity and Toxicity Study. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 10496-10510.	1.8	7
33	Visible-light driven dual heterojunction formed between g-C ₃ N ₄ /BiOCl@MXene-Ti ₃ C ₂ for the effective degradation of tetracycline. <i>Environmental Pollution</i> , 2022, 308, 119597.	3.7	20
34	Mining of resources from solid waste employing advance treatment technologies. <i>Chemosphere</i> , 2022, , 135353.	4.2	0
35	Challenges and perspectives on innovative technologies for biofuel production and sustainable environmental management. <i>Fuel</i> , 2022, 325, 124845.	3.4	36
36	Valorization of fruit waste-based biochar for arsenic removal in soils. <i>Environmental Research</i> , 2022, 213, 113710.	3.7	31

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37	Cephalexin Adsorption by Acidic Pretreated Jackfruit Adsorbent: A Deep Learning Prediction Model Study. <i>Water</i> (Switzerland), 2022, 14, 2243.	1.2	4
38	Cement kiln dust-sand permeable reactive barrier for remediation of groundwater contaminated with dissolved benzene. <i>Separation Science and Technology</i> , 2021, 56, 870-883.	1.3	10
39	High removal of emerging contaminants from wastewater by activated carbons derived from the shell of cashew of Para. <i>Carbon Letters</i> , 2021, 31, 13-28.	3.3	38
40	Design and development of amine functionalized iron based metal organic frameworks for selective fluoride removal from water environment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104563.	3.3	61
41	Silicate glass matrix@Cu ₂ O/Cu ₂ V ₂ O ₇ p-n heterojunction for enhanced visible light photo-degradation of sulfamethoxazole: High charge separation and interfacial transfer. <i>Journal of Hazardous Materials</i> , 2021, 402, 123790.	6.5	95
42	Fabrication of amino functionalized benzene-1,4-dicarboxylic acid facilitated cerium based metal organic frameworks for efficient removal of fluoride from water environment. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 384-395.	1.2	29
43	Environmental friendly and robust Mg _{0.5-x} Cu _x Zn _{0.5} Fe ₂ O ₄ spinel nanoparticles for visible light driven degradation of Carbamazepine: Band shift driven by dopants. <i>Materials Letters</i> , 2021, 284, 129005.	1.3	22
44	Facile ball-milling synthesis of CeO ₂ /g-C ₃ N ₄ Z-scheme heterojunction for synergistic adsorption and photodegradation of methylene blue: Characteristics, kinetics, models, and mechanisms. <i>Chemical Engineering Journal</i> , 2021, 420, 127719.	6.6	148
45	Construction of dual Z-scheme g-C ₃ N ₄ /Bi ₄ Ti ₃ O ₁₂ /Bi ₄ O ₅ I ₂ heterojunction for visible and solar powered coupled photocatalytic antibiotic degradation and hydrogen production: Boosting via $h\nu$ and Bi ³⁺ /Bi ⁵⁺ redox mediators. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119808.	10.8	252
46	Development of a polymeric nanocomposite as a high performance adsorbent for Pb(II) removal from water medium: Equilibrium, kinetic and antimicrobial activity. <i>Journal of Hazardous Materials</i> , 2021, 407, 124816.	6.5	46
47	Superficial development of Lewis zirconium ion cross-linked gelatin/kaolin hybrid composite for nutrients remediation. <i>Journal of Molecular Liquids</i> , 2021, 324, 114982.	2.3	5
48	Development of triaminotriazine functionalized graphene oxide capped chitosan porous composite beads for nutrients remediation towards water purification. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 13-23.	3.6	14
49	Analysis of degradation pathways and intermediates products for ciprofloxacin using a highly porous photocatalyst. <i>Chemical Engineering Journal</i> , 2021, 417, 127969.	6.6	53
50	Metal/metal oxide nanocomposites for bactericidal effect: A review. <i>Chemosphere</i> , 2021, 272, 128607.	4.2	87
51	Coronavirus 2 (SARS-CoV-2) in water environments: Current status, challenges and research opportunities. <i>Journal of Water Process Engineering</i> , 2021, 39, 101735.	2.6	19
52	Smart polymeric composite membranes for wastewater treatment. , 2021, , 313-350.		3
53	Nitrogen-doped carbon quantum dots (N-CQDs)/Co ₃ O ₄ nanocomposite for high performance supercapacitor. <i>Journal of King Saud University - Science</i> , 2021, 33, 101252.	1.6	42
54	Smart polymer coatings for membrane antifouling applications. , 2021, , 415-450.		0

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55	Covalent Organic Frameworks: Synthesis, Properties and Applications—An Overview. <i>Polymers</i> , 2021, 13, 970.	2.0	50
56	Green synthesis, structure, cations distribution and bonding characteristics of superparamagnetic cobalt-zinc ferrites nanoparticles for Pb(II) adsorption and magnetic hyperthermia applications. <i>Journal of Molecular Liquids</i> , 2021, 328, 115375.	2.3	72
57	Synthesis and characterization of CuO doped lithium magnesium borate glasses for thermoluminescence dosimetry. <i>Optik</i> , 2021, 231, 166369.	1.4	7
58	Photocatalytic degradation of environmental pollutant using nickel and cerium ions substituted Co _{0.6} Zn _{0.4} Fe ₂ O ₄ nanoferrites. <i>Earth Systems and Environment</i> , 2021, 5, 399-417.	3.0	32
59	Fabrication of magnetic nanoparticles supported ionic liquid catalyst for transesterification of vegetable oil to produce biodiesel. <i>Journal of Molecular Liquids</i> , 2021, 330, 115648.	2.3	10
60	Hospital wastewater as a source of environmental contamination: An overview of management practices, environmental risks, and treatment processes. <i>Journal of Water Process Engineering</i> , 2021, 41, 101990.	2.6	73
61	Robust magnetic ZnO-Fe ₂ O ₃ Z-scheme heterojunctions with in-built metal-redox for high performance photo-degradation of sulfamethoxazole and electrochemical dopamine detection. <i>Environmental Research</i> , 2021, 197, 111074.	3.7	58
62	Utilization of Ag ₂ O—Al ₂ O ₃ —ZrO ₂ decorated onto rGO as adsorbent for the removal of Congo red from aqueous solution. <i>Environmental Research</i> , 2021, 197, 111179.	3.7	38
63	Design and synthesis of amine grafted graphene oxide encapsulated chitosan hybrid beads for defluoridation of water. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1843-1851.	3.6	14
64	Adsorptional-photocatalytic removal of fast sulphon black dye by using chitin-cl-poly(itaconic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 2021, 416, 125714.	6.5	102
65	Recent technologies for nutrient removal and recovery from wastewaters: A review. <i>Chemosphere</i> , 2021, 277, 130328.	4.2	56
66	Incorporation of trimetallic nanoparticles to the SiO ₂ matrix for the removal of methylene blue dye from aqueous medium. <i>Journal of Molecular Liquids</i> , 2021, 336, 116274.	2.3	31
67	Design and fabrication of sulfonic acid functionalized graphene oxide for enriched fluoride adsorption. <i>Diamond and Related Materials</i> , 2021, 117, 108446.	1.8	11
68	An environmental approach for the photodegradation of toxic pollutants from wastewater using silver nanoparticles decorated titania-reduced graphene oxide. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105622.	3.3	15
69	Design and synthesis of amine functionalized graphene oxide for enhanced fluoride removal. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105384.	3.3	24
70	Green synthesis for novel sorbent of sand coated with (Ca/Al)-layered double hydroxide for the removal of toxic dye from aqueous environment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105342.	3.3	25
71	Trimetallic@Cyclodextrin Nanocomposite: Photocatalyst for Degradation of Amoxicillin and Catalyst for Esterification Reactions. <i>Journal of Chemistry</i> , 2021, 2021, 1-14.	0.9	3
72	Global soil pollution by toxic elements: Current status and future perspectives on the risk assessment and remediation strategies — A review. <i>Journal of Hazardous Materials</i> , 2021, 417, 126039.	6.5	213

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73	High interfacial charge carrier separation in Fe ₃ O ₄ modified SrTiO ₃ /Bi ₄ O ₅ I ₂ robust magnetic nano-heterojunction for rapid photodegradation of diclofenac under simulated solar-light. <i>Journal of Cleaner Production</i> , 2021, 315, 128137.	4.6	32
74	Fabrication of lanthanum linked trimesic acid as porous metal organic frameworks for effective nitrate and phosphate adsorption. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122446.	1.4	34
75	Engineered nanoparticles for removal of pollutants from wastewater: Current status and future prospects of nanotechnology for remediation strategies. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106160.	3.3	74
76	Recent advances on nickel nano-ferrite: A review on processing techniques, properties and diverse applications. <i>Chemical Engineering Research and Design</i> , 2021, 175, 182-208.	2.7	57
77	Effect of seasonal variation on the occurrences of high-risk pharmaceutical in drain-laden surface water: A risk analysis of Yamuna River. <i>Science of the Total Environment</i> , 2021, 794, 148484.	3.9	34
78	Photocatalytic degradation of dyes using rutile TiO ₂ synthesized by reverse micelle and low temperature methods: real-time monitoring of the degradation kinetics. <i>Journal of Molecular Liquids</i> , 2021, 342, 117407.	2.3	22
79	Nanostructured magnetic inverse spinel Ni ²⁺ /Zn ferrite as environmental friendly visible light driven photo-degradation of levofloxacin. <i>Chemical Engineering Research and Design</i> , 2021, 175, 85-101.	2.7	50
80	Acceleration of photo-reduction and oxidation capabilities of Bi ₄ O ₅ I ₂ /SPION@calcium alginate by metallic Ag: Wide spectral removal of nitrate and azithromycin. <i>Chemical Engineering Journal</i> , 2021, 423, 130173.	6.6	41
81	Green approach and strategies for wastewater treatment using bioelectrochemical systems: A critical review of fundamental concepts, applications, mechanism, and future trends. <i>Chemosphere</i> , 2021, 285, 131373.	4.2	27
82	Pharmaceutical pollutant as sacrificial agent for sustainable synergistic water treatment and hydrogen production via novel Z-scheme Bi ₇ O ₉ I ₃ /B ₄ C heterojunction photocatalysts. <i>Journal of Molecular Liquids</i> , 2021, 343, 117652.	2.3	27
83	Application of smart polymers in nanomedicine. , 2021, , 215-233.		1
84	Green Synthesis of Metal and Metal Oxide Nanoparticles: Principles of Green Chemistry and Raw Materials. <i>Magnetochemistry</i> , 2021, 7, 145.	1.0	64
85	Polyvinyl Alcohol Polymer Functionalized Graphene Oxide Decorated with Gadolinium Oxide for Sequestration of Radionuclides from Aqueous Medium: Characterization, Mechanism, and Environmental Feasibility Studies. <i>Polymers</i> , 2021, 13, 3835.	2.0	13
86	The Physical Modeling Analysis of Fate and Transport of Silver Nanoparticles Dispersed by Water Flow. <i>Journal of Chemistry</i> , 2021, 2021, 1-9.	0.9	1
87	Environmental Remediation Potential of Ferrous Sulfate Waste as an Eco-Friendly Coagulant for the Removal of NH ₃ -N and COD from the Rubber Processing Effluent. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12427.	1.2	10
88	Evaluation of synthesized green carbon catalyst from waste date pits for tertiary butylation of phenol. <i>Arabian Journal of Chemistry</i> , 2020, 13, 298-307.	2.3	29
89	Bio-inspired and biomaterials-based hybrid photocatalysts for environmental detoxification: A review. <i>Chemical Engineering Journal</i> , 2020, 382, 122937.	6.6	201
90	Research Updates on Heavy Metal Phytoremediation: Enhancements, Efficient Post-harvesting Strategies and Economic Opportunities. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 191-222.	0.3	21

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91	Principles and Mechanisms of Green Photocatalysis. Environmental Chemistry for A Sustainable World, 2020, , 1-24.	0.3	9
92	Enhanced biohydrogen production from date seeds by Clostridium thermocellum ATCC 27405. International Journal of Hydrogen Energy, 2020, 45, 22271-22280.	3.8	56
93	Predominant mechanisms for the removal of nickel metal ion from aqueous solution using cement kiln dust. Journal of Water Process Engineering, 2020, 33, 101033.	2.6	34
94	Pollutants inducing epigenetic changes and diseases. Environmental Chemistry Letters, 2020, 18, 325-343.	8.3	81
95	Preparation of chitosan based magnetic nanocomposite for tetracycline adsorption: Kinetic and thermodynamic studies. International Journal of Biological Macromolecules, 2020, 147, 258-267.	3.6	133
96	Hydrothermal fabrication of triazine-functionalized covalent organic polymer enfolded alginate biocomposite beads for Cr(vi) removal from water. Environmental Science: Water Research and Technology, 2020, 6, 851-863.	1.2	17
97	Effective adsorption of antidiabetic pharmaceutical (metformin) from aqueous medium using graphene oxide nanoparticles: Equilibrium and statistical modelling. Journal of Molecular Liquids, 2020, 301, 112426.	2.3	128
98	Waterworks sludge-filter sand permeable reactive barrier for removal of toxic lead ions from contaminated groundwater. Journal of Water Process Engineering, 2020, 33, 101112.	2.6	163
99	Carbon quantum dots and reduced graphene oxide modified self-assembled S@C3N4/B@C3N4 metal-free nano-photocatalyst for high performance degradation of chloramphenicol. Journal of Molecular Liquids, 2020, 300, 112356.	2.3	59
100	Utilization of waste polyethylene terephthalate bottles to develop metal-organic frameworks for energy applications: A clean and feasible approach. Journal of Cleaner Production, 2020, 248, 119251.	4.6	73
101	Synthesis of NiOx@NPC composite for high-performance supercapacitor via waste PET plastic-derived Ni-MOF. Composites Part B: Engineering, 2020, 183, 107655.	5.9	104
102	Functionalized MoS2/polyurethane sponge: An efficient scavenger for oil in water. Separation and Purification Technology, 2020, 238, 116420.	3.9	37
103	Low cost and quick time absorption of organic dye pollutants under ambient condition using partially exfoliated graphite. Journal of Water Process Engineering, 2020, 34, 101078.	2.6	33
104	Excellent adsorptive performance of a new nanocomposite for removal of toxic Pb(II) from aqueous environment: Adsorption mechanism and modeling analysis. Journal of Hazardous Materials, 2020, 389, 121896.	6.5	123
105	Facile fabrication of chitosan-cl-poly(AA)/ZrPO4 nanocomposite for remediation of rhodamine B and antimicrobial activity. Journal of King Saud University - Science, 2020, 32, 1359-1365.	1.6	23
106	Chitosan polymer complex derived nanocomposite (AgNPs/NSC) for electrochemical non-enzymatic glucose sensor. International Journal of Biological Macromolecules, 2020, 146, 763-772.	3.6	63
107	Water quality assessment of shallow aquifer based on Canadian Council of Ministers of the environment index and its impact on irrigation of Mathura District, Uttar Pradesh. Journal of King Saud University - Science, 2020, 32, 1218-1225.	1.6	48
108	Fabrication of MoS2/ZnS embedded in N/S doped carbon for the photocatalytic degradation of pesticide. Materials Letters, 2020, 263, 127271.	1.3	99

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109	Process intensification and comparison of bioethanol production from food industry waste (potatoes) by ultrasonic assisted acid hydrolysis and enzymatic hydrolysis: Statistical modelling and optimization. <i>Biomass and Bioenergy</i> , 2020, 142, 105752.	2.9	41
110	Efficient removal of antidepressant Flupentixol using graphene oxide/cellulose nanogel composite: Particle swarm algorithm based artificial neural network modelling and optimization. <i>Journal of Molecular Liquids</i> , 2020, 319, 114371.	2.3	26
111	Birnessite-type manganese dioxide nanoparticles embedded with nitrogen-doped carbon for high-performance supercapacitor. <i>Journal of Energy Storage</i> , 2020, 32, 101952.	3.9	18
112	Self-nitrogen doped carbons aerogel derived from waste cigarette butts (cellulose acetate) for the adsorption of BPA: Kinetics and adsorption mechanisms. <i>Journal of King Saud University - Science</i> , 2020, 32, 3351-3358.	1.6	18
113	Designing of bentonite based nanocomposite hydrogel for the adsorptive removal and controlled release of ampicillin. <i>Journal of Molecular Liquids</i> , 2020, 319, 114166.	2.3	35
114	Development of watermelon rind derived activated carbon/manganese ferrite nanocomposite for cleaner desalination by capacitive deionization. <i>Journal of Cleaner Production</i> , 2020, 272, 122626.	4.6	41
115	Humic acid coated sand as a novel sorbent in permeable reactive barrier for environmental remediation of groundwater polluted with copper and cadmium ions. <i>Journal of Water Process Engineering</i> , 2020, 36, 101373.	2.6	28
116	Fabrication of CoP based nanocomposite as an electrocatalyst for oxygen- and hydrogen-evolving energy conversion reactions. <i>Materials Letters</i> , 2020, 278, 128351.	1.3	7
117	Mg _{0.5} Ni _x Zn _{0.5-x} Fe ₂ O ₄ spinel as a sustainable magnetic nano-photocatalyst with dopant driven band shifting and reduced recombination for visible and solar degradation of Reactive Blue-19. <i>Advanced Powder Technology</i> , 2020, 31, 4585-4597.	2.0	32
118	Gum Acacia-poly(acrylamide)@carbon nitride Nanocomposite Hydrogel for Adsorption of Ciprofloxacin and its Sustained Release in Artificial Ocular Solution. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000274.	1.7	27
119	Fe ₃ O ₄ /ZnO/Si ₃ N ₄ nanocomposite based photocatalyst for the degradation of dyes from aqueous solution. <i>Materials Letters</i> , 2020, 278, 128359.	1.3	115
120	Synthesis and characterization cobalt phosphate embedded with N doped carbon for water splitting ORR and OER. <i>Journal of King Saud University - Science</i> , 2020, 32, 2826-2830.	1.6	8
121	Facile fabrication of tunable porous zirconium fumarate based metal organic frameworks in the retention of nutrients from water. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2856-2870.	1.2	17
122	Ag ₂ O-Al ₂ O ₃ -ZrO ₂ Trimetallic Nanocatalyst for High Performance Photodegradation of Nicosulfuron Herbicide. <i>Topics in Catalysis</i> , 2020, 63, 1272-1285.	1.3	8
123	AgO/MgO/FeO@Si ₃ N ₄ nanocomposite with robust adsorption capacity for tetracycline antibiotic removal from aqueous system. <i>Advanced Powder Technology</i> , 2020, 31, 4310-4318.	2.0	26
124	Fabrication of starch-salicylaldehyde based polymer nanocomposite (PNC) for the removal of pollutants from contaminated water. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2731-2738.	3.6	17
125	Fe ₃ O ₄ mediated Z-scheme BiVO ₄ /Cr ₂ V ₄ O ₁₃ strongly coupled nano-heterojunction for rapid degradation of fluoxetine under visible light. <i>Materials Letters</i> , 2020, 281, 128650.	1.3	16
126	Waste Foundry Sand as Permeable and Low Permeable Barrier for Restriction of the Propagation of Lead and Nickel Ions in Groundwater. <i>Journal of Chemistry</i> , 2020, 2020, 1-13.	0.9	13

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127	Fabrication of Highly Porous Polymeric Nanocomposite for the Removal of Radioactive U(VI) and Eu(III) Ions from Aqueous Solution. <i>Polymers</i> , 2020, 12, 2940.	2.0	20
128	Fabrication of Z-scheme photocatalysts g-C ₃ N ₄ /Ag ₃ PO ₄ /chitosan for the photocatalytic degradation of ciprofloxacin. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3864-3872.	3.6	45
129	Comparative and Equilibrium Studies on Anionic and Cationic Dyes Removal by Nano-Alumina-Doped Catechol Formaldehyde Composite. <i>Journal of Chemistry</i> , 2020, 2020, 1-15.	0.9	13
130	Microfabrication of Triazine Functionalized Graphene Oxide Anchored Alginate Bead System for Effective Nutrients Removal. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 2712-2724.	1.0	22
131	Adsorption of Sr(II) ions and salicylic acid onto magnetic magnesium-zinc ferrites: isotherms and kinetic studies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 26681-26693.	2.7	59
132	Development of Multivalent Metal-Ion-Fabricated Fumaric Acid-Based Metal-Organic Frameworks for Defluoridation of Water. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 2990-3001.	1.0	53
133	LaTiO ₂ N/Bi ₂ S ₃ Z-scheme nano heterostructures modified by rGO with high interfacial contact for rapid photocatalytic degradation of tetracycline. <i>Journal of Molecular Liquids</i> , 2020, 311, 113300.	2.3	30
134	Photocatalytic degradation of bisphenol-A with g-C ₃ N ₄ /MoS ₂ -PANI nanocomposite: Kinetics, main active species, intermediates and pathways. <i>Journal of Molecular Liquids</i> , 2020, 311, 113339.	2.3	69
135	Kinetic Model for pH Variation Resulted from Interaction of Aqueous Solution Contaminated with Nickel Ions and Cement Kiln Dust. <i>Journal of Chemistry</i> , 2020, 2020, 1-11.	0.9	14
136	Fabrication of magnetic polymeric resin for the removal of toxic metals from aqueous medium: Kinetics and adsorption mechanisms. <i>Journal of Water Process Engineering</i> , 2020, 36, 101284.	2.6	30
137	Visibly Active FeO/ZnO@PANI Magnetic Nano-photocatalyst for the Degradation of 3-Aminophenol. <i>Topics in Catalysis</i> , 2020, 63, 1302-1313.	1.3	17
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