

# Pharmaceuticals of Emerging Concern in Aquatic Systems and Removal Methods

Chemical Reviews

119, 3510-3673

DOI: 10.1021/acs.chemrev.8b00299

Citation Report

#	ARTICLE	IF	CITATIONS
2	Degradation of Sulfamethoxazole Using Iron-Doped Titania and Simulated Solar Radiation. Catalysts, 2019, 9, 612.	3.5	31
3	Carbamazepine Degradation Mediated by Light in the Presence of Humic Substances-Coated Magnetite Nanoparticles. Nanomaterials, 2019, 9, 1379.	4.1	15
4	Advanced Oxidation Process with Peracetic Acid and Fe(II) for Contaminant Degradation. Environmental Science & Technology, 2019, 53, 13312-13322.	10.0	294
5	Clay minerals for the removal of pharmaceuticals: Initial investigations of their adsorption properties in real wastewater effluents. Environmental Nanotechnology, Monitoring and Management, 2019, 12, 100266.	2.9	13
6	Emerging technologies for arsenic removal from drinking water in rural and peri-urban areas: Methods, experience from, and options for Latin America. Science of the Total Environment, 2019, 694, 133427.	8.0	113
7	Photocatalytic Degradation of Selected Pharmaceuticals Using g-C <sub>3</sub> N <sub>4</sub> and TiO <sub>2</sub> Nanomaterials. Nanomaterials, 2019, 9, 1194.	4.1	39
8	Functionalization of zigzag graphene nanoribbon with DNA nucleobases-A DFT study. Applied Surface Science, 2019, 496, 143667.	6.1	7
9	Aqueous carbofuran removal using slow pyrolyzed sugarcane bagasse biochar: equilibrium and fixed-bed studies. RSC Advances, 2019, 9, 26338-26350.	3.6	39
10	TiO <sub>2</sub> photocatalysis under natural solar radiation for the degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions at pilot plant scale. Water Research, 2019, 166, 115037.	11.3	67
11	Metal Ion-Bridged Forward Osmosis Membranes for Efficient Pharmaceutical Wastewater Reclamation. ACS Applied Materials & Interfaces, 2019, 11, 37163-37171.	8.0	36
12	An overview of carcinogenic pollutants in groundwater of India. Biocatalysis and Agricultural Biotechnology, 2019, 21, 101288.	3.1	54
13	Removal of antibiotics in aqueous media by using new synthesized bio-based poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj ETQq1 1 0.784314 rgBT /Overlock 10	8.2	68
14	Ibuprofen and caffeine removal in vertical flow and free-floating macrophyte constructed wetlands with Heliconia rostrata and Eichornia crassipes. Chemical Engineering Journal, 2019, 373, 458-467.	12.7	76
15	Correlating effluent concentrations and bench-scale experiments to assess the transformation of endocrine active compounds in wastewater by UV or chlorination disinfection. Chemosphere, 2019, 226, 565-575.	8.2	14
16	Recent development in the application of immobilized oxidative enzymes for bioremediation of hazardous micropollutants – A review. Chemosphere, 2020, 239, 124716.	8.2	121
17	Fe(II)-promoted activation of peroxymonosulfate by molybdenum disulfide for effective degradation of acetaminophen. Chemical Engineering Journal, 2020, 381, 122718.	12.7	72
18	Interactive effects of diclofenac and copper on bioconcentration and multiple biomarkers in crucian carp (Carassius auratus). Chemosphere, 2020, 242, 125141.	8.2	21
19	Submarine groundwater discharge as a source of pharmaceutical and caffeine residues in coastal ecosystem: Bay of Puck, southern Baltic Sea case study. Science of the Total Environment, 2020, 713, 136522.	8.0	45

#	ARTICLE	IF	CITATIONS
20	Bioaccumulation and glutathione S-transferase activity on <i>Rhinella arenarum</i> tadpoles after short-term exposure to antiretrovirals. <i>Chemosphere</i> , 2020, 246, 125830.	8.2	14
21	Effects of antibiotics on microbial community structure and microbial functions in constructed wetlands treated with artificial root exudates. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 217-226.	3.5	23
22	Mechanistic analysis on the photochemistry of the anti-inflammatory drug etoricoxib in aqueous solution. Cytotoxicity of photoproducts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 390, 112331.	3.9	6
23	New trend on open solar photoreactors to treat micropollutants by photo-Fenton at circumneutral pH: Increasing optical pathway. <i>Chemical Engineering Journal</i> , 2020, 385, 123982.	12.7	49
24	Overview of the Phototransformation of Wastewater Effluents by High-Resolution Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1816-1826.	10.0	37
25	A review on contamination and removal of sulfamethoxazole from aqueous solution using cleaner techniques: Present and future perspective. <i>Journal of Cleaner Production</i> , 2020, 250, 119553.	9.3	143
26	Theoretical investigation on the contribution of HO <sup>•</sup> , SO <sub>4</sub> <sup>•-</sup> and CO <sub>3</sub> <sup>•-</sup> radicals to the degradation of phenacetin in water: Mechanisms, kinetics, and toxicity evaluation. <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 110977.	6.0	18
27	Biodegradation of Doxylamine From Wastewater by a Green Microalga, <i>Scenedesmus obliquus</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 584020.	3.5	12
28	An Update of the Occurrence of Organic Contaminants of Emerging Concern in the Canary Islands (Spain). <i>Water (Switzerland)</i> , 2020, 12, 2548.	2.7	3
29	Comparison of the adsorption capacity of acetaminophen on sugarcane bagasse and corn cob by dynamic simulation. <i>Sustainable Environment Research</i> , 2020, 30, .	4.2	18
30	Progress in the removal of pharmaceutical compounds from aqueous solution using layered double hydroxides as adsorbents: A review. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104577.	6.7	25
31	Pharmaceuticals as emerging contaminants in the aquatic environment of Latin America: a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44863-44891.	5.3	88
32	Photocatalytic degradation of antibiotic and hydrogen production using diatom-templated 3D WO <sub>3</sub> -x@mesoporous carbon nanohybrid under visible light irradiation. <i>Journal of Cleaner Production</i> , 2020, 275, 124157.	9.3	27
33	Copper Inhibition of Triplet-Sensitized Phototransformation of Phenolic and Amine Contaminants. <i>Environmental Science &amp; Technology</i> , 2020, 54, 9980-9989.	10.0	22
34	A review on tetracycline removal from aqueous systems by advanced treatment techniques. <i>RSC Advances</i> , 2020, 10, 27081-27095.	3.6	144
35	Influences of feedstock sources and pyrolysis temperature on the properties of biochar and functionality as adsorbents: A meta-analysis. <i>Science of the Total Environment</i> , 2020, 744, 140714.	8.0	313
36	Anti-inflammatory drugs in the Vistula River following the failure of the Warsaw sewage collection system in 2019. <i>Science of the Total Environment</i> , 2020, 745, 140848.	8.0	12
37	Environmental side effects of the injudicious use of antimicrobials in the era of COVID-19. <i>Science of the Total Environment</i> , 2020, 745, 141053.	8.0	96

#	ARTICLE	IF	CITATIONS
38	Detection, transformation, and toxicity of indole-derivative nonsteroidal anti-inflammatory drugs during chlorine disinfection. <i>Chemosphere</i> , 2020, 260, 127579.	8.2	16
39	Extraction of Ibuprofen from Natural Waters Using a Covalent Organic Framework. <i>Molecules</i> , 2020, 25, 3132.	3.8	19
40	Occurrence and risks of antibiotics in an urban river in northeastern Tibetan Plateau. <i>Scientific Reports</i> , 2020, 10, 20054.	3.3	43
41	A pectin/chitosan/zinc oxide nanocomposite for adsorption/photocatalytic remediation of carbamazepine in water samples. <i>RSC Advances</i> , 2020, 10, 40697-40708.	3.6	7
42	Charge-Enhanced Separation of Organic Pollutants in Water by Anionic Covalent Organic Frameworks. <i>ACS Omega</i> , 2020, 5, 32002-32010.	3.5	26
43	Emerging investigator series: quaternary treatment with algae-assisted oxidation for antibiotics removal and refractory organics degradation in livestock wastewater effluent. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 3262-3275.	2.4	12
44	Preparation of magnetic metal-organic frameworks with high binding capacity for removal of two fungicides from aqueous environments. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 90, 178-189.	5.8	53
45	Submarine groundwater discharge: A previously undocumented source of contaminants of emerging concern to the coastal ocean (Sydney, Australia). <i>Marine Pollution Bulletin</i> , 2020, 160, 111519.	5.0	26
46	Mechanistic pathways for the degradation of SMX drug and floatation of degraded products using Fâ€Pt co-doped TiO <sub>2</sub> photocatalysts. <i>RSC Advances</i> , 2020, 10, 27662-27675.	3.6	14
47	Quantification of the electron donating capacity and UV absorbance of dissolved organic matter during ozonation of secondary wastewater effluent by an assay and an automated analyzer. <i>Water Research</i> , 2020, 185, 116235.	11.3	44
48	Multi-component adsorption study by using bone char: modelling and removal mechanisms. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 789-804.	2.2	11
50	Roles of structure defect, oxygen groups and heteroatom doping on carbon in nonradical oxidation of water contaminants. <i>Water Research</i> , 2020, 185, 116244.	11.3	194
51	Î²-blockers in the environment: Distribution, transformation, and ecotoxicity. <i>Environmental Pollution</i> , 2020, 266, 115269.	7.5	42
52	Bioremediation of emerging micropollutants in irrigation water. The alternative of microalgae-based treatments. <i>Journal of Environmental Management</i> , 2020, 274, 111081.	7.8	21
53	Occurrence and risk assessment of steroid estrogens in environmental water samples: A five-year worldwide perspective. <i>Environmental Pollution</i> , 2020, 267, 115405.	7.5	57
54	Plasmonic hydrogels for capture, detection and removal of organic pollutants. <i>Environmental Science: Nano</i> , 2020, 7, 3888-3900.	4.3	23
55	Sorption Characteristics and Removal Efficiency of Organic Micropollutants in Drinking Water Using Granular Activated Carbon (GAC) in Pilot-Scale and Full-Scale Tests. <i>Water (Switzerland)</i> , 2020, 12, 2053.	2.7	15
56	Photochemical study of the highly used corticosteroids dexamethasone and prednisone. Effects of micellar confinement and cytotoxicity analysis of photoproducts. <i>New Journal of Chemistry</i> , 2020, 44, 18119-18129.	2.8	8

#	ARTICLE	IF	CITATIONS
57	Ibuprofen and Diclofenac: Effects on Freshwater and Marine Aquatic Organisms – Are They at Risk?. Handbook of Environmental Chemistry, 2020, , 161-189.	0.4	2
58	Removal and Degradation of Pharmaceutically Active Compounds (PhACs) in Wastewaters by Solar Advanced Oxidation Processes. Handbook of Environmental Chemistry, 2020, , 299-326.	0.4	2
59	Chitosan film as recyclable adsorbent membrane to remove/recover hazardous pharmaceutical pollutants from water: the case of the emerging pollutant Furosemide. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 1-12.	1.7	7
60	The Journey of Human Drugs from Their Design at the Bench to Their Fate in Crops. Handbook of Environmental Chemistry, 2020, , 3.	0.4	2
61	Application of Hollow Fibre-Liquid Phase Microextraction Technique for Isolation and Pre-Concentration of Pharmaceuticals in Water. Membranes, 2020, 10, 311.	3.0	25
62	Fate and Removal of Pharmaceuticals in CAS for Water and Sewage Sludge Reuse. Handbook of Environmental Chemistry, 2020, , 23-51.	0.4	2
63	Environmental exposure of freshwater mussels to contaminants of emerging concern: Implications for species conservation. Journal of Great Lakes Research, 2020, 46, 1625-1638.	1.9	18
64	Impact of PhACs on Soil Microorganisms. Handbook of Environmental Chemistry, 2020, , 267-310.	0.4	2
65	Effects of thermal modification of a biochar on persulfate activation and mechanisms of catalytic degradation of a pharmaceutical. Chemical Engineering Journal, 2020, 399, 125377.	12.7	76
66	Adverse effects of levofloxacin and oxytetracycline on aquatic microbial communities. Science of the Total Environment, 2020, 734, 139499.	8.0	40
67	Ball milling as a mechanochemical technology for fabrication of novel biochar nanomaterials. Bioresource Technology, 2020, 312, 123613.	9.6	293
68	Effects of chronic exposure to a pharmaceutical mixture on the three-spined stickleback (gasterosteus aculeatus) population dynamics in lotic mesocosms. Aquatic Toxicology, 2020, 224, 105499.	4.0	9
69	Green synthesized Fe/Pd and in-situ Bentonite-Fe/Pd composite for efficient tetracycline removal. Journal of Environmental Chemical Engineering, 2020, 8, 104126.	6.7	32
70	Enhanced removal of pharmaceuticals and personal care products from real municipal wastewater using an electrochemical membrane bioreactor. Bioresource Technology, 2020, 311, 123579.	9.6	55
71	Designing nanoarchitecture for environmental remediation based on the clay minerals as building block. Journal of Hazardous Materials, 2020, 399, 122888.	12.4	42
72	Mechanistic insight into ultrasound-induced enhancement of electrochemical oxidation of ofloxacin: Multi-response optimization and cost analysis. Chemosphere, 2020, 257, 127121.	8.2	55
73	UV-Fenton degradation of diclofenac, sulpiride, sulfamethoxazole and sulfisomidine: Degradation mechanisms, transformation products, toxicity evolution and effect of real water matrix. Chemosphere, 2020, 258, 127351.	8.2	44
74	Organic micropollutants in water and sediment from Lake Mälaren, Sweden. Chemosphere, 2020, 258, 127293.	8.2	53

#	ARTICLE	IF	CITATIONS
75	Nano-zerovalent copper as a Fenton-like catalyst for the degradation of ciprofloxacin in aqueous solution. <i>Journal of Water Process Engineering</i> , 2020, 37, 101325.	5.6	48
76	Municipal Solid Waste Landfills: An Underestimated Source of Pharmaceutical and Personal Care Products in the Water Environment. <i>Environmental Science &amp; Technology</i> , 2020, 54, 9757-9768.	10.0	157
77	Molecular Interpretation of Pharmaceuticals' Adsorption on Carbon Nanomaterials: Theory Meets Experiments. <i>Processes</i> , 2020, 8, 642.	2.8	29
78	In Vitro Metabolic Transformation of Pharmaceuticals by Hepatic S9 Fractions from Common Carp ( <i>Cyprinus carpio</i> ). <i>Molecules</i> , 2020, 25, 2690.	3.8	2
79	Understanding of ultrasound enhanced electrochemical oxidation of persistent organic pollutants. <i>Journal of Water Process Engineering</i> , 2020, 37, 101378.	5.6	21
80	Polystyrene Magnetic Nanocomposites as Antibiotic Adsorbents. <i>Polymers</i> , 2020, 12, 1313.	4.5	32
81	Emerging contaminants uptake by an Ultisol and a Vertisol from Puerto Rico. , 2020, 3, e20022.		5
82	Rapid remediation of pharmaceuticals from wastewater using magnetic Fe <sub>3</sub> O <sub>4</sub> /Douglas fir biochar adsorbents. <i>Chemosphere</i> , 2020, 258, 127336.	8.2	64
83	Occurrence of pharmaceuticals in the Danube and drinking water wells: Efficiency of riverbank filtration. <i>Environmental Pollution</i> , 2020, 265, 114893.	7.5	46
84	Influence of boron doped diamond electrodes properties on the elimination of selected pharmaceuticals from wastewater. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 114007.	3.8	8
85	Biochar based catalysts for the abatement of emerging pollutants: A review. <i>Chemical Engineering Journal</i> , 2020, 394, 124856.	12.7	129
86	High performance of phytic acid-functionalized spherical poly-phenylglycine particles for removal of heavy metal ions. <i>Applied Surface Science</i> , 2020, 518, 146206.	6.1	28
87	Protective role of the freshwater rotifer <i>Brachionus calyciflorus</i> glutathione S-transferase zeta 3 recombinant protein in response to Hg and Cd. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 243-244, 110435.	1.6	4
88	Toxicity assessment of verapamil and its photodegradation products. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35650-35660.	5.3	9
89	Batch and Continuous Fixed-Bed Lead Removal Using Himalayan Pine Needle Biochar: Isotherm and Kinetic Studies. <i>ACS Omega</i> , 2020, 5, 16366-16378.	3.5	39
90	Synergistic effect of electrostatic and coordination interactions for adsorption removal of cephalexin from water using a zirconium-based metal-organic framework. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 256-263.	9.4	41
91	Steroid hormones and estrogenic activity in the wastewater outfall and receiving waters of the Chascomús chained shallow lakes system (Argentina). <i>Science of the Total Environment</i> , 2020, 743, 140401.	8.0	32
92	Diazepam, metformin, omeprazole and simvastatin: a full discussion of individual and mixture acute toxicity. <i>Ecotoxicology</i> , 2020, 29, 1062-1071.	2.4	16

#	ARTICLE	IF	CITATIONS
93	Organically Modified Bentonite as an Efficient and Reusable Adsorbent for Triclosan Removal from Water. Langmuir, 2020, 36, 9025-9034.	3.5	22
94	Feasibility of using plastic wastes as constructed wetland substrates and potential for pharmaceuticals and personal care products removal. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2020, 55, 1241-1246.	1.7	3
95	Acid-modulated zirconium based metal organic frameworks for removal of organic micropollutants. Journal of Environmental Chemical Engineering, 2020, 8, 103901.	6.7	11
96	Exploratory study on the presence of bisphenol A and bis(2-ethylhexyl) phthalate in the Santa Catarina River in Monterrey, N.L., Mexico. Environmental Monitoring and Assessment, 2020, 192, 488.	2.7	12
97	Pharmaceutical and synthetic hormone removal using biopolymer membranes. , 2020, , 397-421.		3
98	Pharmaceuticals as emerging micropollutants in aquatic environments. , 2020, , 35-90.		9
99	Removal of ofloxacin with biofuel production by oleaginous microalgae Scenedesmus obliquus. Bioresource Technology, 2020, 315, 123738.	9.6	48
100	Î²-Cyclodextrin Polymerized in Cross-Flowing Channels of Biomass Sawdust for Rapid and Highly Efficient Pharmaceutical Pollutants Removal from Water. ACS Applied Materials & Interfaces, 2020, 12, 32817-32826.	8.0	28
101	Conclusions and future research. , 2020, , 249-256.		3
102	Sustainable Low-Concentration Arsenite [As(III)] Removal in Single and Multicomponent Systems Using Hybrid Iron Oxideâ€Biochar Nanocomposite Adsorbentsâ€A Mechanistic Study. ACS Omega, 2020, 5, 2575-2593.	3.5	64
103	Activated Carbonâ€Metal Organic Framework Composite for the Adsorption of Contaminants of Emerging Concern from Water. ACS Applied Nano Materials, 2020, 3, 2928-2940.	5.0	32
104	Spatial and seasonal trends of organic micropollutants in Swedenâ€™s most important drinking water reservoir. Chemosphere, 2020, 249, 126168.	8.2	43
105	Removal of micropollutants from water by commercially available nanofiltration membranes. Science of the Total Environment, 2020, 720, 137474.	8.0	39
106	Calcium Bismuthate (CaBiO <sub>3</sub> ): A Potential Sunlightâ€Driven Perovskite Photocatalyst for the Degradation of Emerging Pharmaceutical Contaminants. ChemPhotoChem, 2020, 4, 373-380.	3.0	26
107	Occurrence, distribution, and ecological risk of pharmaceuticals in a seasonally ice-sealed river: From ice formation to melting. Journal of Hazardous Materials, 2020, 389, 122083.	12.4	32
108	Enzyme response of activated sludge to a mixture of emerging contaminants in continuous exposure. PLoS ONE, 2020, 15, e0227267.	2.5	14
109	Sulfamethoxazole/Trimethoprim ratio as a new marker in raw wastewaters: A critical review. Science of the Total Environment, 2020, 715, 136916.	8.0	71
110	A new analytical workflow using HPLC with drift-tube ion-mobility quadrupole time-of-flight/mass spectrometry for the detection of drug-related metabolites in plants. Analytical and Bioanalytical Chemistry, 2020, 412, 1817-1824.	3.7	12



#	ARTICLE	IF	CITATIONS
111	Significant role of high-valent iron-oxo species in the degradation and detoxification of indomethacine. <i>Chemosphere</i> , 2020, 251, 126451.	8.2	15
112	Simulation-based evaluation of zeolite adsorbents for the removal of emerging contaminants. <i>Materials Advances</i> , 2020, 1, 86-98.	5.4	17
113	Antibiotics Degradation and Bacteria Inactivation in Water by Cold Atmospheric Plasma Discharges Above and Below Water Surface. <i>Plasma Chemistry and Plasma Processing</i> , 2020, 40, 971-983.	2.4	30
114	Feasibility of the use of <i>Lentinula edodes</i> mycelium in terbinafine remediation. <i>3 Biotech</i> , 2020, 10, 184.	2.2	4
115	Combined effects of electrical current and nonsteroidal antiinflammatory drugs (NSAIDs) on microbial community in a three-dimensional electrode biological aerated filter (3DE-BAF). <i>Bioresource Technology</i> , 2020, 309, 123346.	9.6	12
116	Nickel (II) modified porous boron nitride: An effective adsorbent for tetracycline removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2020, 394, 124985.	12.7	66
117	Development of Novel Polymer Supported Nanocomposite GO/TiO <sub>2</sub> Films, Based on poly(L-lactic acid) for Photocatalytic Applications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2368.	2.5	16
118	Widespread monitoring of chiral pharmaceuticals in urban rivers reveals stereospecific occurrence and transformation. <i>Environment International</i> , 2020, 138, 105657.	10.0	24
119	Empirical Evidence and Mathematical Modelling of Carbamazepine Degradative Kinetics by a Wood-Rotting Microbial Consortium. <i>Waste and Biomass Valorization</i> , 2021, 12, 995-1003.	3.4	7
120	Single- and multi-component adsorption of selected contaminants of emerging concern from water and some of their metabolites onto hierarchical porous copper(II)-zeolite -activated carbon composite. <i>Microporous and Mesoporous Materials</i> , 2021, 312, 110355.	4.4	7
121	Unravelling metabolism and microbial community of a phytobed co-planted with <i>Typha angustifolia</i> and <i>Ipomoea aquatica</i> for biodegradation of doxylamine from wastewater. <i>Journal of Hazardous Materials</i> , 2021, 401, 123404.	12.4	19
122	Simultaneous degradation of 30 pharmaceuticals by anodic oxidation: Main intermediaries and by-products. <i>Chemosphere</i> , 2021, 269, 128753.	8.2	19
123	Degradation and mineralization of erythromycin by heterogeneous photocatalysis using SnO <sub>2</sub> -doped TiO <sub>2</sub> structured catalysts: Activity and stability. <i>Chemosphere</i> , 2021, 268, 128858.	8.2	27
124	Environmental aspects of hormones estriol, 17 $\beta$ -estradiol and 17 $\alpha$ -ethinylestradiol: Electrochemical processes as next-generation technologies for their removal in water matrices. <i>Chemosphere</i> , 2021, 267, 128888.	8.2	44
125	Emerging contaminants in environment: occurrence, toxicity, and management strategies with emphasis on microbial remediation and advanced oxidation processes. , 2021, , 1-14.		5
126	Performance and mechanisms of sulfadiazine removal using persulfate activated by Fe <sub>3</sub> O <sub>4</sub> @CuOx hollow spheres. <i>Chemosphere</i> , 2021, 262, 127845.	8.2	34
127	Fabrication of an electrochemical sensor with Au nanorods-graphene oxide hybrid nanocomposites for in situ measurement of cloxacillin. <i>Materials Science and Engineering C</i> , 2021, 118, 111317.	7.3	18
128	Acid-induced molecule self-assembly synthesis of Z-scheme WO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunctions for robust photocatalysis against phenolic pollutants. <i>Chemical Engineering Journal</i> , 2021, 403, 126354.	12.7	87



#	ARTICLE	IF	CITATIONS
129	Emerging contaminants in the water bodies of the Middle East and North Africa (MENA): A critical review. <i>Science of the Total Environment</i> , 2021, 754, 142177.	8.0	75
130	Coronavirus (SARS-CoV-2) in the environment: Occurrence, persistence, analysis in aquatic systems and possible management. <i>Science of the Total Environment</i> , 2021, 765, 142698.	8.0	53
131	Nanofiltration retentate treatment from urban wastewater secondary effluent by solar electrochemical oxidation processes. <i>Separation and Purification Technology</i> , 2021, 254, 117614.	7.9	21
132	Enhanced selective adsorption of NSAIDs by covalent organic frameworks via functional group tuning. <i>Chemical Engineering Journal</i> , 2021, 404, 127095.	12.7	66
133	A versatile strategy to eliminate emerging contaminants from the aqueous environment: Heterogeneous Fenton process. <i>Journal of Cleaner Production</i> , 2021, 278, 124014.	9.3	111
134	Starch-Mg/Al layered double hydroxide composites as an efficient solid phase extraction sorbent for non-steroidal anti-inflammatory drugs as environmental pollutants. <i>Journal of Hazardous Materials</i> , 2021, 401, 123782.	12.4	38
135	Towards an innovative combined process coupling biodegradation and photo-oxidation for the removal of pharmaceutical residues. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 755-763.	3.2	17
136	<i>Daphnia magna</i> model in the toxicity assessment of pharmaceuticals: A review. <i>Science of the Total Environment</i> , 2021, 763, 143038.	8.0	120
137	The mechanism of Metal-H <sub>2</sub> O <sub>2</sub> complex immobilized on MCM-48 and enhanced electron transfer for effective peroxone ozonation of sulfamethazine. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119453.	20.2	24
138	Adsorption of alprazolam drug on the B12N12 and Al12N12 nano-cages for biological applications: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 126, 114473.	2.7	34
139	Robust Z-scheme g-C <sub>3</sub> N <sub>4</sub> /WO <sub>3</sub> heterojunction photocatalysts with morphology control of WO <sub>3</sub> for efficient degradation of phenolic pollutants. <i>Separation and Purification Technology</i> , 2021, 255, 117693.	7.9	58
140	Water-soluble graphitic carbon nitride for clean environmental applications. <i>Environmental Pollution</i> , 2021, 269, 116172.	7.5	26
141	<i>Environmental Microbiology and Biotechnology</i> , 2021, , .		4
142	Miniaturized analytical methods for determination of environmental contaminants of emerging concern – A review. <i>Analytica Chimica Acta</i> , 2021, 1158, 238108.	5.4	49
143	Ultrathin S-doped graphitic carbon nitride nanosheets for enhanced sulphide degradation via visible-light-assisted peroxydisulfate activation: Performance and mechanism. <i>Chemosphere</i> , 2021, 266, 128929.	8.2	28
144	Effects of thiol functionalization of a waste-derived activated carbon on the adsorption of sulfamethoxazole from water: Kinetic, equilibrium and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2021, 323, 115003.	4.9	20
145	Mixtures of co-occurring chemicals in freshwater systems across the continental US. <i>Environmental Pollution</i> , 2021, 268, 115793.	7.5	4
146	Can ocean warming alter sub-lethal effects of antiepileptic and antihistaminic pharmaceuticals in marine bivalves?. <i>Aquatic Toxicology</i> , 2021, 230, 105673.	4.0	23

#	ARTICLE	IF	CITATIONS
147	Acute effects of acetaminophen on the developmental, swimming performance and cardiovascular activities of the African catfish embryos/larvae ( <i>Clarias gariepinus</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111482.	6.0	18
148	Effect of salinity on preconcentration of contaminants of emerging concern by nanofiltration: Application of solar photo-Fenton as a tertiary treatment. <i>Science of the Total Environment</i> , 2021, 756, 143593.	8.0	14
149	Ketamine and Norketamine: Enantioresolution and Enantioselective Aquatic Ecotoxicity Studies. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 569-579.	4.3	12
150	Effect of Metal Ions on Oxidation of Micropollutants by Ferrate(VI): Enhancing Role of $Fe^{IV}$ Species. <i>Environmental Science &amp; Technology</i> , 2021, 55, 623-633.	10.0	84
151	Molecularly imprinted polymer-based electrochemical sensors for environmental analysis. <i>Biosensors and Bioelectronics</i> , 2021, 172, 112719.	10.1	149
152	Biodegradation and metabolic pathway of anthraquinone dyes by <i>Trametes hirsuta</i> D7 immobilized in light expanded clay aggregate and cytotoxicity assessment. <i>Journal of Hazardous Materials</i> , 2021, 405, 124176.	12.4	40
153	Development and application of a QuEChERS method with liquid chromatography-quadrupole time of flight-mass spectrometry for the determination of 50 wastewater-borne pollutants in earthworms exposed through treated wastewater. <i>Chemosphere</i> , 2021, 263, 128222.	8.2	21
154	Photochemistry of dissolved organic matter extracted from coastal seawater: Excited triplet-states and contents of phenolic moieties. <i>Water Research</i> , 2021, 188, 116568.	11.3	40
155	Rapid and efficient removal of diclofenac sodium from aqueous solution via ternary core-shell CS@PANI@LDH composite: Experimental and adsorption mechanism study. <i>Journal of Hazardous Materials</i> , 2021, 402, 123815.	12.4	113
156	Analysis, fate and toxicity of chiral non-steroidal anti-inflammatory drugs in wastewaters and the environment: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 43-75.	16.2	39
157	Agrowaste-derived polymeric adsorbents for water purification. , 2021, , 131-158.		0
158	Novel Chemical Based on Green Composite Materials for. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 109-138.	0.5	0
159	Nanostructures in Photocatalysis: Opportunities and Challenges for Environmental Applications. , 2021, , 1-32.		0
160	Photolysis of the nonsteroidal anti-inflammatory drug sulindac: elucidation of kinetic behaviour and photodegradation pathways in water. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1405-1417.	3.5	3
161	AIE-active polyelectrolyte based photosensitizers: the effects of structure on antibiotic-resistant bacterial sensing and killing and pollutant decomposition. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5309-5317.	5.8	8
162	Potential of suspended growth biological processes for mixed wastewater reclamation and reuse in agriculture: challenges and opportunities. <i>Environmental Technology Reviews</i> , 2021, 10, 77-110.	4.3	5
163	Theoretical study of the adsorption of analgesic environmental pollutants on pristine and nitrogen-doped graphene nanosheets. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1221-1233.	2.8	6
164	Electrospun Functional Nanofiber Membrane for Antibiotic Removal in Water: Review. <i>Polymers</i> , 2021, 13, 226.	4.5	89

#	ARTICLE	IF	CITATIONS
165	Assessment of non-steroidal anti-inflammatory drugs from selected wastewater treatment plants of Southwestern India. <i>Emerging Contaminants</i> , 2021, 7, 43-51.	4.9	41
166	Development of a pH-parallel approach of quantifying six-category pharmaceuticals in surface water using SPE-HPLC-MS/MS. <i>Watershed Ecology and the Environment</i> , 2021, 3, 1-16.	1.8	5
168	Nanobiochar: A sustainable solution for agricultural and environmental applications. , 2021, , 501-519.		3
169	Emerging Contaminants: Analysis, Aquatic Compartments and Water Pollution. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 1-111.	0.5	3
170	Transition metal-based metal-organic frameworks for environmental applications: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1295-1334.	16.2	63
171	Chemical removal in waste stabilisation pond systems of varying configuration. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 1587-1599.	2.4	3
172	Metal-organic frameworks for the removal of the emerging contaminant atenolol under real conditions. <i>Dalton Transactions</i> , 2021, 50, 2493-2500.	3.3	11
173	Microbial Degradation of Antibiotics from Effluents. <i>Environmental and Microbial Biotechnology</i> , 2021, , 389-404.	0.7	4
174	Nanocomposite Photocatalysts for the Degradation of Contaminants of Emerging Concerns. , 2021, , 85-112.		0
175	Simultaneous detection of phenacetin and paracetamol using ELISA and a gold nanoparticle-based immunochromatographic test strip. <i>Analyst, The</i> , 2021, 146, 6228-6238.	3.5	14
176	Significant Role of Perovskite Materials for Degradation of Organic Pollutants. , 0, , .		0
177	Remediation of Emerging Contaminants. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 1-106.	0.5	5
178	An ultrasensitive electrochemical sensor for the detection of acetaminophen via a three-dimensional hierarchical nanoporous gold wire electrode. <i>Analyst, The</i> , 2021, 146, 4525-4534.	3.5	5
179	Occurrence of caffeine, fluoxetine, bezafibrate and levothyroxine in surface freshwater of S�o Paulo State (Brazil) and risk assessment for aquatic life protection. <i>Environmental Science and Pollution Research</i> , 2021, 28, 20751-20761.	5.3	19
180	Emerging Hybrid Nanocomposite Photocatalysts for the Degradation of Antibiotics: Insights into Their Designs and Mechanisms. <i>Nanomaterials</i> , 2021, 11, 572.	4.1	20
181	Adsorption of Triclosan onto Organically Modified-Magadiite and Bentonite. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1902-1911.	3.7	10
182	Silicate-Enhanced Heterogeneous Flow-Through Electro-Fenton System Using Iron Oxides under Nanoconfinement. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4045-4053.	10.0	192
183	Reducing Inappropriate Proton Pump Inhibitors Use for Stress Ulcer Prophylaxis in Hospitalized Patients: Systematic Review of De-Implementation Studies. <i>Journal of General Internal Medicine</i> , 2021, 36, 2065-2073.	2.6	9

#	ARTICLE	IF	CITATIONS
184	Engineered biochar “A sustainable solution for the removal of antibiotics from water. Chemical Engineering Journal, 2021, 405, 126926.	12.7	212
185	pH-Degradable Polymers as Impermanent Antimicrobial Agents for Environmental Sustainability. ACS Applied Bio Materials, 2021, 4, 1544-1551.	4.6	6
186	Graphene-Based Composites as Catalysts for the Degradation of Pharmaceuticals. International Journal of Environmental Research and Public Health, 2021, 18, 1529.	2.6	17
187	Occurrence of contaminants of emerging concern in surface waters from Paraopeba River Basin in Brazil: seasonal changes and risk assessment. Environmental Science and Pollution Research, 2021, 28, 30242-30254.	5.3	23
188	Fabric Phase Sorptive Extraction of Selected Steroid Hormone Residues in Commercial Raw Milk Followed by Ultra-High-Performance Liquid Chromatography–Tandem Mass Spectrometry. Foods, 2021, 10, 343.	4.3	4
189	Sea-level rise drives wastewater leakage to coastal waters and storm drains. Limnology and Oceanography Letters, 2021, 6, 154-163.	3.9	24
190	Comprehensive Understanding of the Phototransformation Process of Macrolide Antibiotics in Simulated Natural Waters. ACS ES&T Water, 2021, 1, 938-948.	4.6	15
191	Metal-organic frameworks for environmental applications. Cell Reports Physical Science, 2021, 2, 100348.	5.6	44
192	Oxidation of ubiquitous aqueous pharmaceuticals with pulsed corona discharge. Journal of Electrostatics, 2021, 110, 103567.	1.9	5
193	How to decrease pharmaceuticals in the environment? A review. Environmental Chemistry Letters, 2021, 19, 3115-3138.	16.2	65
194	LC and NMR Studies for Identification and Characterization of Degradation Byproducts of Olmesartan Acid, Elucidation of Their Degradation Pathway and Ecotoxicity Assessment. Molecules, 2021, 26, 1769.	3.8	3
195	Carbon nitride-based photocatalysts for the mitigation of water pollution engendered by pharmaceutical compounds. Environmental Science and Pollution Research, 2021, 28, 24992-25013.	5.3	14
196	Enhancing Circular Dichroism Signals with Vector Beams. Physical Review Letters, 2021, 126, 123001.	7.8	12
197	Recent developments in the use of metal oxides for photocatalytic degradation of pharmaceutical pollutants in water—a review. Materials Today Chemistry, 2021, 19, 100380.	3.5	107
198	Urban Groundwater Contamination by Non-Steroidal Anti-Inflammatory Drugs. Water (Switzerland), 2021, 13, 720.	2.7	25
199	Metal Organic Frameworks (MOFs) as Photocatalysts for the Degradation of Agricultural Pollutants in Water. ACS ES&T Engineering, 2021, 1, 804-826.	7.6	82
200	Enantiomeric fraction determination of chiral drugs in environmental samples using chiral liquid chromatography and mass spectrometry. Trends in Environmental Analytical Chemistry, 2021, 29, e00115.	10.3	10
201	Novel organic assisted Ag-ZnO photocatalyst for atenolol and acetaminophen photocatalytic degradation under visible radiation: performance and reaction mechanism. Environmental Science and Pollution Research, 2021, 28, 39637-39647.	5.3	33

#	ARTICLE	IF	CITATIONS
202	Aquatic Insects Transfer Pharmaceuticals and Endocrine Disruptors from Aquatic to Terrestrial Ecosystems. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3736-3746.	10.0	63
203	Nanomaterials for remediation of contaminants: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3139-3163.	16.2	36
204	Nanophotocatalysis for the Removal of Pharmaceutical Residues from Water Bodies: State of Art and Recent Trends. <i>Current Analytical Chemistry</i> , 2021, 18, 288-308.	1.2	5
205	Evaluation of single and combined effects of two pharmaceuticals on the marine gastropod <i>Phorcus lineatus</i> enzymatic activity under two different exposure periods. <i>Ecotoxicology</i> , 2021, 30, 756-765.	2.4	2
206	Occurrence and Human Health Risk Assessment of Pharmaceuticals and Hormones in Drinking Water Sources in the Metropolitan Area of Turin in Italy. <i>Toxics</i> , 2021, 9, 88.	3.7	9
207	A review of distribution and risk of pharmaceuticals and personal care products in the aquatic environment in China. <i>Ecotoxicology and Environmental Safety</i> , 2021, 213, 112044.	6.0	80
208	Trace organic contaminants removal from municipal wastewater using the FluHelik reactor: From laboratory-scale to pre-pilot scale. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105060.	6.7	9
209	Oxidoreductases as a versatile biocatalytic tool to tackle pollutants for clean environment – a review. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 420-435.	3.2	16
210	Monitoring microbial growth on a microfluidic lab-on-chip with electrochemical impedance spectroscopic technique. <i>Biomedical Microdevices</i> , 2021, 23, 26.	2.8	8
211	Adsorption of pharmaceuticals pollutants, ibuprofen, Acetaminophen, and Streptomycin from the aqueous phase using amine functionalized superparamagnetic silica nanocomposite. <i>Journal of Cleaner Production</i> , 2021, 294, 126155.	9.3	46
212	Vermiculite modified with alkylammonium salts: characterization and sorption of ibuprofen and paracetamol. <i>Chemical Papers</i> , 2021, 75, 4199-4216.	2.2	4
213	Ultrahigh Flux and Strong Affinity Poly( <i>N</i> -vinylformamide)-Grafted Polypropylene Membranes for Continuous Removal of Organic Micropollutants from Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 20796-20809.	8.0	15
214	Review on the hazardous applications and photodegradation mechanisms of chlorophenols over different photocatalysts. <i>Environmental Research</i> , 2021, 195, 110742.	7.5	111
215	Sediment–Water Distribution and Benthic Boundary Layer Fluxes of Pharmaceuticals and Personal Care Products near Wastewater Discharge into a Tidal River Shoal. <i>ACS ES&amp;T Water</i> , 2021, 1, 1447-1455.	4.6	2
216	Combined Effects of Sulfamethoxazole and Erythromycin on a Freshwater Microalga, <i>Raphidocelis subcapitata</i> : Toxicity and Oxidative Stress. <i>Antibiotics</i> , 2021, 10, 576.	3.7	33
217	Spatial variation of pharmaceuticals in the unit processes of full-scale municipal wastewater treatment plants in Korea. <i>Journal of Environmental Management</i> , 2021, 286, 112150.	7.8	15
218	Recent advances in cobalt-activated sulfate radical-based advanced oxidation processes for water remediation: A review. <i>Science of the Total Environment</i> , 2021, 770, 145311.	8.0	140
219	Temporal and Spatial Variability of Micropollutants in a Brazilian Urban River. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 81, 142-154.	4.1	10

#	ARTICLE	IF	CITATIONS
220	Mechanism and kinetics of ClO <sup>-</sup> -mediated degradation of aromatic compounds in aqueous solution: DFT and QSAR studies. Chemical Engineering Journal, 2021, 412, 128728.	12.7	25
221	Sorption of 4-n-nonylphenol, 4-n-octylphenol, and 4-tert-octylphenol on cyclodextrin polymers. Environmental Science and Pollution Research, 2022, 29, 171-181.	5.3	9
222	Susceptibility of phytoplankton to the increasing presence of active pharmaceutical ingredients (APIs) in the aquatic environment: A review. Aquatic Toxicology, 2021, 234, 105809.	4.0	28
224	Fate of antibiotics in engineered wastewater systems and receiving water environment: A case study on the coast of Hangzhou Bay, China. Science of the Total Environment, 2021, 769, 144642.	8.0	19
225	Enhancing the Sensitivity of Lateral Flow Immunoassay by Magnetic Enrichment Using Multifunctional Nanocomposite Probes. Langmuir, 2021, 37, 6566-6577.	3.5	8
226	Occurrence of carbamazepine, diclofenac, and their related metabolites and transformation products in a French aquatic environment and preliminary risk assessment. Water Research, 2021, 196, 117052.	11.3	50
227	Capabilities and mechanisms of microalgae on removing micropollutants from wastewater: A review. Journal of Environmental Management, 2021, 285, 112149.	7.8	47
228	Environmental aspects of UV-C-based processes for the treatment of oxytetracycline in water. Environmental Pollution, 2021, 277, 116797.	7.5	16
229	The roles of HO <sup>•</sup> , ClO <sup>•</sup> and BrO <sup>•</sup> radicals in caffeine degradation: A theoretical study. Science of the Total Environment, 2021, 768, 144733.	8.0	31
230	Ecological Risk Assessment of Pharmaceuticals in the Transboundary Vecht River (Germany and The Netherlands). Environmental Pollution, 2021, 277, 116797.	7.5	16
231	Comprehensive review on iodinated X-ray contrast media: Complete fate, occurrence, and formation of disinfection byproducts. Science of the Total Environment, 2021, 769, 144846.	8.0	47
232	Effect of Salinity on UVA-Vis Light Driven Photo-Fenton Process at Acidic and Circumneutral pH. Water (Switzerland), 2021, 13, 1315.	2.7	14
233	Photolytic kinetics of pharmaceutically active compounds from upper to lower estuarine waters: Roles of triplet-excited dissolved organic matter and halogen radicals. Environmental Pollution, 2021, 276, 116692.	7.5	10
234	Fabrication of ZnO/Au@Cu <sub>2</sub> O heterojunction towards deeply oxidative photodegradation of organic dyes. Separation and Purification Technology, 2021, 262, 118301.	7.9	23
235	Ferric ions mediated defects narrowing of graphene oxide nanofiltration membrane for robust removal of organic micropollutants. Chemical Engineering Journal, 2021, 411, 128587.	12.7	25
236	Pharmaceutical pollution and sustainable development goals: Going the right way?. Sustainable Chemistry and Pharmacy, 2021, 21, 100428.	3.3	15
237	Recent progress in transition metal oxide/sulfide quantum dots-based nanocomposites for the removal of toxic organic pollutants. Chemosphere, 2021, 272, 129849.	8.2	44
238	Synthesis and characterization of immobilized titanium-zirconium Sn-doped oxides onto metallic meshes and their photocatalytic activity for erythromycin mineralization. Chemical Engineering Journal, 2021, 414, 128891.	12.7	8



#	ARTICLE	IF	CITATIONS
239	Microbial community response to ciprofloxacin toxicity in sponge membrane bioreactor. Science of the Total Environment, 2021, 773, 145041.	8.0	14
240	Hydrothermal synthesis of MnO <sub>2</sub> /Fe(0) composites from Li-ion battery cathodes for destructing sulfadiazine by photo-Fenton process. Science of the Total Environment, 2021, 774, 145776.	8.0	27
241	Photo-Fenton applied to the removal of pharmaceutical and other pollutants of emerging concern. Current Opinion in Green and Sustainable Chemistry, 2021, 29, 100458.	5.9	39
242	Performance study on adsorptive removal of acetaminophen from wastewater using silica microspheres: Kinetic and isotherm studies. Chemosphere, 2021, 272, 129896.	8.2	28
243	Interpretation of the Risk Associated with Emerging Contaminants in the Aquatic Systems for BRICS Nations. , 2021, , .		0
244	Carbon-based adsorbents for fluoroquinolone removal from water and wastewater: A critical review. Environmental Research, 2021, 197, 111091.	7.5	44
245	Treatment strategies for enhancing the removal of endocrine-disrupting chemicals in water and wastewater systems. Journal of Water Process Engineering, 2021, 41, 102017.	5.6	36
247	Microplastics as vectors of pharmaceuticals in aquatic organisms – An overview of their environmental implications. Case Studies in Chemical and Environmental Engineering, 2021, 3, 100079.	6.1	48
248	Secondary Effects of Hypochlorite Treatment on the Emerging Pollutant Candesartan: The Formation of Degradation Byproducts and Their Toxicological Profiles. Molecules, 2021, 26, 3422.	3.8	2
249	Engineering paths of sustainable and green photocatalytic degradation technology for pharmaceuticals and organic contaminants of emerging concern. Current Opinion in Green and Sustainable Chemistry, 2021, 29, 100465.	5.9	13
250	An In Silico and In Vitro study for Investigating Estrogenic Endocrine Effects of Emerging Persistent Pollutants using Primary Hepatocytes from Grey Mullet (Mugil Cephalus). Environments - MDPI, 2021, 8, 58.	3.3	1
251	Pharmaceuticals in farms and surrounding surface water bodies: Hazard and ecotoxicity in a swine production area in Costa Rica. Chemosphere, 2021, 272, 129574.	8.2	33
252	Risks to aquatic environments posed by 14 pharmaceuticals as illustrated by their effects on zebrafish behaviour. Science of the Total Environment, 2021, 771, 145450.	8.0	22
255	Synthesis, functionalization, and environmental application of silica-based mesoporous materials of the M41S and SBA-n families: A review. Journal of Environmental Chemical Engineering, 2021, 9, 105259.	6.7	61
256	A pilot experiment to assess the efficiency of pharmaceutical plant wastewater treatment and the decreasing effluent toxicity to periphytic biofilms. Journal of Hazardous Materials, 2021, 411, 125121.	12.4	11
257	Engineering carbon nanocatalysts towards efficient degradation of emerging organic contaminants via persulfate activation: A review. Chinese Chemical Letters, 2022, 33, 1-10.	9.0	88
258	Recent Advances in Sulfidated Zerovalent Iron for Contaminant Transformation. Environmental Science & Technology, 2021, 55, 8464-8483.	10.0	123
259	Application of Heterojunction NiSb <sub>2</sub> /SnO <sub>2</sub> Anodes for Electrochemical Water Treatment. ACS ES&T Engineering, 2021, 1, 1236-1245.	7.6	18



#	ARTICLE	IF	CITATIONS
260	Occurrence and removal of pharmaceuticals in wastewater treatment plants. <i>Chemical Engineering Research and Design</i> , 2021, 150, 532-556.	5.6	105
261	Highly Efficient Removal of Neonicotinoid Insecticides by Thioether-Based (Multivariate) Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 28424-28432.	8.0	29
262	Development of superabsorbent hydrogel based on Gum Arabic for enhanced removal of anxiolytic drug from water. <i>Journal of Environmental Management</i> , 2021, 288, 112455.	7.8	14
263	Removal of Pharmaceuticals from Water by Adsorption and Advanced Oxidation Processes: State of the Art and Trends. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6659.	2.5	66
264	Theoretical investigation of adsorption of kojic acid on carbon nanotubes. <i>Materials Letters</i> , 2021, 294, 129769.	2.6	3
265	Metal-free polymeric carbon nitride photocatalytic bactericide: precursor-controlled killing activity of <i>E. coli</i> . <i>Environmental Advances</i> , 2021, 4, 100067.	4.8	3
266	Emerging contaminants in Brazilian aquatic environment: identifying targets of potential concern based on occurrence and ecological risk. <i>Environmental Science and Pollution Research</i> , 2021, 28, 67528-67543.	5.3	16
267	Removal of Estradiol, Diclofenac, and Triclosan by Naturally Occurring Microalgal Consortium Obtained from Wastewater. <i>Sustainability</i> , 2021, 13, 7690.	3.2	12
268	Improved degradation of metronidazole in a heterogeneous photo-Fenton oxidation system with PAC/Fe <sub>3</sub> O <sub>4</sub> magnetic catalyst: biodegradability, catalyst specifications, process optimization, and degradation pathway. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 9057-9073.	4.6	27
269	Antiretroviral Drugs in African Surface Waters: Prevalence, Analysis, and Potential Remediation. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 247-262.	4.3	31
270	Ultrasound-Induced Intensification of Electrochemical Treatment of Bulk Drug Pharmaceutical Wastewater. <i>ACS ES&amp;T Water</i> , 2021, 1, 1941-1954.	4.6	14
271	Insights into the Use of Phytoremediation Processes for the Removal of Organic Micropollutants from Water and Wastewater; A Review. <i>Water (Switzerland)</i> , 2021, 13, 2065.	2.7	19
272	Screening priority indicator pollutants in full-scale wastewater treatment plants by non-target analysis. <i>Journal of Hazardous Materials</i> , 2021, 414, 125490.	12.4	25
273	A reconnaissance study of pharmaceuticals, pesticides, perfluoroalkyl substances and organophosphorus flame retardants in the aquatic environment, wild plants and vegetables of two Saudi Arabia urban areas: Environmental and human health risk assessment. <i>Science of the Total Environment</i> , 2021, 776, 145843.	8.0	42
274	Superior adsorptive removal of eco-toxic drug diclofenac sodium by Zn-Al LDH/Bi <sub>2</sub> O <sub>3</sub> layer double hydroxide composites. <i>Applied Clay Science</i> , 2021, 208, 106119.	5.2	16
276	Identification of micropollutants from graywater of different complexity and remediation using multilayered membranes. <i>Environmental Science and Pollution Research</i> , 2022, 29, 4206-4218.	5.3	4
277	Occurrence of emerging contaminants in highly anthropogenically influenced river Yamuna in India. <i>Science of the Total Environment</i> , 2021, 782, 146741.	8.0	46
278	Tragacanth gum mediated green fabrication of mesoporous titania nanomaterials: Application in photocatalytic degradation of crystal violet. <i>Journal of Environmental Management</i> , 2021, 291, 112680.	7.8	13

#	ARTICLE	IF	CITATIONS
279	Influence of metabolic cosubstrates on methanogenic potential and degradation of triclosan and propranolol in sanitary sewage. <i>Environmental Research</i> , 2021, 199, 111220.	7.5	9
280	Dissipation Dynamics of Doxycycline and Gatifloxacin and Accumulation of Heavy Metals during Broiler Manure Aerobic Composting. <i>Molecules</i> , 2021, 26, 5225.	3.8	4
281	Treatment of industrial dye wastewater and pharmaceutical residue wastewater by advanced oxidation processes and its combination with nanocatalysts: A review. <i>Journal of Water Process Engineering</i> , 2021, 42, 102122.	5.6	177
282	Cerium based UiO-66 MOF as a multipollutant adsorbent for universal water purification. <i>Journal of Hazardous Materials</i> , 2021, 416, 125941.	12.4	168
283	Trace Detection and Quantitation of Antibiotics in a South African Stream Receiving Wastewater Effluents and Municipal Dumpsite Leachates. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	12
284	Pharmaceuticals in drinking water sources and tap water in a city in the middle reaches of the Yangtze River: occurrence, spatiotemporal distribution, and risk assessment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2365-2374.	5.3	16
285	Advances in the Synthesis and Application of Anti-Fouling Membranes Using Two-Dimensional Nanomaterials. <i>Membranes</i> , 2021, 11, 605.	3.0	9
286	Degradation, solubility and chromatographic studies of Ibuprofen under high temperature water conditions. <i>Chemosphere</i> , 2021, 277, 130307.	8.2	7
287	Facile defect engineering in ZnIn <sub>2</sub> S <sub>4</sub> coupled with carbon dots for rapid diclofenac degradation. <i>Chinese Chemical Letters</i> , 2021, 32, 2534-2538.	9.0	12
288	Clay-hydrogel nanocomposites for adsorptive amputation of environmental contaminants from aqueous phase: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105575.	6.7	45
289	Recent developments in physical, biological, chemical, and hybrid treatment techniques for removing emerging contaminants from wastewater. <i>Journal of Hazardous Materials</i> , 2021, 416, 125912.	12.4	300
290	Optimization of ketoprofen adsorption from aqueous solutions and simulated effluents using H <sub>2</sub> SO <sub>4</sub> activated <i>Campomanesia guazumifolia</i> bark. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2122-2135.	5.3	6
291	Mesoporous Fe-doped MgO nanoparticles as a heterogeneous photo-Fenton-like catalyst for degradation of salicylic acid in wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105589.	6.7	22
292	Removal of emerging micropollutants originating from pharmaceuticals and personal care products (PPCPs) in water and wastewater by advanced oxidation processes: A review. <i>Environmental Technology and Innovation</i> , 2021, 23, 101757.	6.1	102
293	Porous nanomaterials: Main vein of agricultural nanotechnology. <i>Progress in Materials Science</i> , 2021, 121, 100812.	32.8	52
294	Coupling Zero-Valent Iron and Fenton processes for degrading sulfamethazine, sulfathiazole, and norfloxacin. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105761.	6.7	5
295	Bioelectrochemical systems for environmental remediation of estrogens: A review and way forward. <i>Science of the Total Environment</i> , 2021, 780, 146544.	8.0	36
296	Biochar based nanocomposites for photocatalytic degradation of emerging organic pollutants from water and wastewater. <i>Materials Research Bulletin</i> , 2021, 140, 111262.	5.2	86

#	ARTICLE	IF	CITATIONS
297	An inescapable fact: Toxicity increase during photo-driven degradation of emerging contaminants in water environments. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 30, 100472.	5.9	3
298	The emerging threat of human-use antifungals in sustainable and circular agriculture schemes. <i>Plants People Planet</i> , 2021, 3, 685-693.	3.3	12
299	Small amount for multiple times of H <sub>2</sub> O <sub>2</sub> feeding way in MoS <sub>2</sub> -Fex heterogeneous fenton for enhancing sulfadiazine degradation. <i>Chinese Chemical Letters</i> , 2022, 33, 1365-1372.	9.0	37
300	A review of bismuth-based photocatalysts for antibiotic degradation: Insight into the photocatalytic degradation performance, pathways and relevant mechanisms. <i>Environmental Research</i> , 2021, 199, 111360.	7.5	135
301	Occurrence of the antiepileptic carbamazepine in water and bivalves from marine environments: A review. <i>Environmental Toxicology and Pharmacology</i> , 2021, 86, 103661.	4.0	35
302	The association between antimicrobials and the antimicrobial-resistant phenotypes and resistance genes of <i>Escherichia coli</i> isolated from hospital wastewaters and adjacent surface waters in Sri Lanka. <i>Chemosphere</i> , 2021, 279, 130591.	8.2	11
303	Solar photo-assisted electrochemical processes applied to actual industrial and urban wastewaters: A practical approach based on recent literature. <i>Chemosphere</i> , 2021, 279, 130560.	8.2	12
304	Chlorinated disinfection byproducts of diazepam perturb cell metabolism and induce behavioral toxicity in zebrafish larvae. <i>Ecotoxicology and Environmental Safety</i> , 2021, 220, 112416.	6.0	6
305	Occurrence of Pharmaceutically Active Compounds and Potential Ecological Risks in Wastewater from Hospitals and Receiving Waters in Sri Lanka. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 298-311.	4.3	10
306	Insights on the role of periphytic biofilm in synergism with <i>Iris pseudacorus</i> for removing mixture of pharmaceutical contaminants from wastewater. <i>Journal of Hazardous Materials</i> , 2021, 418, 126349.	12.4	20
307	Synthesis of Anatase/Brookite Mixed Phase TiO <sub>2</sub> Nanostructures and its Photocatalytic Performance Study. <i>ChemistrySelect</i> , 2021, 6, 8861-8867.	1.5	5
308	Comparison of the degradation of multiple amine-containing pharmaceuticals during electroindirect oxidation and electrochlorination processes in continuous system. <i>Water Research</i> , 2021, 203, 117517.	11.3	8
309	Modeling degradation kinetics of gemfibrozil and naproxen in the UV/chlorine system: Roles of reactive species and effects of water matrix. <i>Water Research</i> , 2021, 202, 117445.	11.3	24
310	A decade of exploring MXenes as aquatic cleaners: Covering a broad range of contaminants, current challenges and future trends. <i>Chemosphere</i> , 2021, 279, 130587.	8.2	25
311	Fe-based single-atom catalysis for oxidizing contaminants of emerging concern by activating peroxides. <i>Journal of Hazardous Materials</i> , 2021, 418, 126294.	12.4	34
312	Adsorptive removal of diclofenac sodium from aqueous solution via industrial processed citrus solid waste-based activated carbon: optimization, kinetics, equilibrium, thermodynamic, and reusability analyses. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	4
313	Context is Key: Social Environment Mediates the Impacts of a Psychoactive Pollutant on Shoaling Behavior in Fish. <i>Environmental Science &amp; Technology</i> , 2021, 55, 13024-13032.	10.0	3
314	Investigation of the Aquatic Photolytic and Photocatalytic Degradation of Citalopram. <i>Molecules</i> , 2021, 26, 5331.	3.8	7

#	ARTICLE	IF	CITATIONS
315	State-of-the-art and prospects of Zn-containing layered double hydroxides (Zn-LDH)-based materials for photocatalytic water remediation. <i>Chemosphere</i> , 2021, 278, 130367.	8.2	34
316	Solid solution approach to the design of copper mixed-triazolate multivariate-MOFs for the efficient adsorption of triclosan. <i>Microporous and Mesoporous Materials</i> , 2021, 324, 111297.	4.4	7
317	Development of Fe <sub>3</sub> O <sub>4</sub> /CAC nanocomposite for the effective removal of contaminants of emerging concerns (Ce <sup>3+</sup> ) from water: An ecotoxicological assessment. <i>Environmental Pollution</i> , 2021, 285, 117326.	7.5	15
318	Degradation of amoxicillin with sono, photo, and sonophotocatalytic oxidation under low-frequency ultrasound and visible light. <i>Environmental Research</i> , 2021, 200, 111515.	7.5	41
319	Understanding the Role of Complexation of Fluoroquinolone and Î <sup>2</sup> -Lactam Antibiotics with Iron (III) on the Photodegradation under Solar Light and UVC Light. <i>Water (Switzerland)</i> , 2021, 13, 2603.	2.7	5
320	A Review on Environmental Contaminants-Related Fertility Threat in Male Fishes: Effects and Possible Mechanisms of Action Learned from Wildlife and Laboratory Studies. <i>Animals</i> , 2021, 11, 2817.	2.3	5
321	Photodegradation, toxicity and density functional theory study of pharmaceutical metoclopramide and its photoproducts. <i>Science of the Total Environment</i> , 2022, 807, 150694.	8.0	11
322	Assessment of Conventional Full-Scale Treatment for the Removal of Endocrine Disruptors and Pharmaceuticals Present in the Tibagi River (Paraná State, Brazil). <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	2
323	Study on the efficiency of a covalent organic framework as adsorbent for the screening of pharmaceuticals in estuary waters. <i>Chemosphere</i> , 2021, 278, 130364.	8.2	9
324	Potential Effects of Persistent Organic Contaminants on Marine Biota: A Review on Recent Research. <i>Water (Switzerland)</i> , 2021, 13, 2488.	2.7	13
325	Human health and ecological risk assessment of 98 pharmaceuticals and personal care products (PPCPs) detected in Indian surface and wastewaters. <i>Science of the Total Environment</i> , 2022, 807, 150677.	8.0	72
326	A review on non-thermal plasma treatment of water contaminated with antibiotics. <i>Journal of Hazardous Materials</i> , 2021, 417, 125481.	12.4	112
327	Effect of iron plaque on antibiotic uptake and metabolism in water spinach ( <i>Ipomoea aquatic</i> Forsk.) grown in hydroponic culture. <i>Journal of Hazardous Materials</i> , 2021, 417, 125981.	12.4	16
328	Multiple metabolic pathways of enrofloxacin by <i>Lolium perenne</i> L.: Ecotoxicity, biodegradation, and key driven genes. <i>Water Research</i> , 2021, 202, 117413.	11.3	46
329	Assessing the performance of wax-based microsorbents for oil remediation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127227.	4.7	3
330	A review of organic-inorganic hybrid clay based adsorbents for contaminants removal: Synthesis, perspectives and applications. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105808.	6.7	59
331	Degradation of ciprofloxacin using hematite/MOF nanocomposite as a heterogeneous Fenton-like catalyst: A comparison of composite and core-shell structures. <i>Chemosphere</i> , 2021, 281, 130970.	8.2	63
332	A water-repellent PVDF-HNT membrane for high and low concentrations of oxytetracycline treatment via DCMD: An experimental investigation. <i>Chemical Engineering Journal</i> , 2021, 422, 129644.	12.7	11

#	ARTICLE	IF	CITATIONS
333	Degradation of antibiotics in aqueous media using manganese nanocatalyst-activated peroxymonosulfate. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 805-818.	9.4	58
334	Developing a generally applicable electrochemical sensor for detecting macrolides in water with thiophene-based molecularly imprinted polymers. <i>Water Research</i> , 2021, 205, 117670.	11.3	12
335	Biodegradation of salicylic acid, acetaminophen and ibuprofen by bacteria collected from a full-scale drinking water biofilter. <i>Journal of Environmental Management</i> , 2021, 295, 113071.	7.8	23
336	The photocatalytic degradation of sodium diclofenac in different water matrices using g-C <sub>3</sub> N <sub>4</sub> nanosheets: A study of the intermediate by-products and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105827.	6.7	32
337	Emerging contaminants in wastewater: A critical review on occurrence, existing legislations, risk assessment, and sustainable treatment alternatives. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105966.	6.7	123
338	Innovative iron oxide foams for the removal of micropollutants by Catalytic Wet Peroxide Oxidation: Assessment of long-term operation under continuous mode. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105914.	6.7	5
339	Ciprofloxacin and acetaminophen sorption onto banana peel biochars: Environmental and process parameter influences. <i>Environmental Research</i> , 2021, 201, 111218.	7.5	72
340	Adsorption removal of ibuprofen and naproxen from aqueous solution with Cu-doped Mil-101(Fe). <i>Science of the Total Environment</i> , 2021, 797, 149179.	8.0	68
341	Removal of contaminants of emerging concern from multicomponent systems using carbon dioxide activated biochar from lignocellulosic feedstocks. <i>Bioresource Technology</i> , 2021, 340, 125561.	9.6	48
342	Production of an electro-biological particle electrode (EBPE) from lithium slag and its removal performance to salicylic acid in a three-dimensional electrocatalytic biological coupling reactor (3D-EBCR). <i>Chemosphere</i> , 2021, 282, 131020.	8.2	10
343	Acrylic acid copolymers as adsorbent materials for the removal of anti-inflammatory pharmaceuticals from synthetic biomedical wastewaters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127382.	4.7	4
344	Superparamagnetic nanoarchitectures: Multimodal functionalities and applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 538, 168300.	2.3	20
345	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.	8.0	34
346	Ecotoxicity and photodegradation of Montelukast (a drug to treat asthma) in water. <i>Environmental Research</i> , 2021, 202, 111680.	7.5	4
347	Removal of personal care products in greywater using membrane bioreactor and constructed wetland methods. <i>Science of the Total Environment</i> , 2021, 797, 148773.	8.0	13
348	Biodegradation and photo-Fenton degradation of bisphenol A, bisphenol S and fluconazole in water. <i>Environmental Pollution</i> , 2021, 289, 117947.	7.5	47
349	Pressure of high level acetaminophen on fixed biofilm and aerobic granule-based systems: Insights on nitrification performances, microbial responses and acetaminophen's bio-degradation pathways. <i>Chemical Engineering Journal</i> , 2021, 426, 131907.	12.7	8
350	Degradation of sulfamethoxazole by the heterogeneous Fenton-like reaction between gallic acid and ferrihydrite. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112847.	6.0	11

#	ARTICLE	IF	CITATIONS
351	Unraveling individual and combined toxicity of nano/microplastics and ciprofloxacin to <i>Synechocystis</i> sp. at the cellular and molecular levels. <i>Environment International</i> , 2021, 157, 106842.	10.0	51
352	Human health risk assessment of selected pharmaceuticals in the five major river basins, China. <i>Science of the Total Environment</i> , 2021, 801, 149730.	8.0	12
353	The occurrence of opioid compounds in wastewater treatment plants and their receiving water bodies in Gauteng province, South Africa. <i>Environmental Pollution</i> , 2021, 290, 118048.	7.5	6
354	Insight into the uptake, fate and toxic effects of pharmaceutical compounds in two wetland plant species through hydroponics studies. <i>Chemical Engineering Journal</i> , 2021, 426, 131078.	12.7	25
355	Sustainable and recoverable waste-based magnetic nanocomposites used for the removal of pharmaceuticals from wastewater. <i>Chemical Engineering Journal</i> , 2021, 426, 129974.	12.7	11
356	Elucidation of the photoinduced transformations of Aliskiren in river water using liquid chromatography high-resolution mass spectrometry. <i>Science of the Total Environment</i> , 2021, 800, 149547.	8.0	5
357	Decontamination of emerging pharmaceutical pollutants using carbon-dots as robust materials. <i>Journal of Hazardous Materials</i> , 2022, 423, 127145.	12.4	82
358	Understanding the factors affecting adsorption of pharmaceuticals on different adsorbents – A critical literature update. <i>Chemosphere</i> , 2022, 287, 131958.	8.2	23
360	Three-dimension hierarchical composite via in-situ growth of Zn/Al layered double hydroxide plates onto polyaniline-wrapped carbon sphere for efficient naproxen removal. <i>Journal of Hazardous Materials</i> , 2022, 423, 127192.	12.4	65
361	Iron(V)/Iron(IV) species in graphitic carbon nitride-ferrate(VI)-visible light system: Enhanced oxidation of micropollutants. <i>Chemical Engineering Journal</i> , 2022, 428, 132610.	12.7	30
362	Enhanced transformation of sulfamethoxazole by birnessite in the presence of gallic acid: Kinetics and pathways. <i>Science of the Total Environment</i> , 2022, 803, 150074.	8.0	5
363	An application of bionanotechnology in removal of emerging contaminants from pharmaceutical waste. , 2022, , 371-384.		5
364	Surface-constructing of visible-light Bi <sub>2</sub> WO <sub>6</sub> /CeO <sub>2</sub> nanophotocatalyst grafted PVDF membrane for degradation of tetracycline and humic acid. <i>Journal of Hazardous Materials</i> , 2022, 421, 126747.	12.4	42
365	Nanotechnology: A next-generation tool for sustainable aquaculture. <i>Aquaculture</i> , 2022, 546, 737330.	3.5	43
366	Multimedia fate model and risk assessment of typical antibiotics in the integrated demonstration zone of the Yangtze River Delta, China. <i>Science of the Total Environment</i> , 2022, 805, 150258.	8.0	18
367	Pharmaceutical Pollutants in Aquatic Ecosystems. , 2021, , 229-243.		0
368	Ce ion surface-modified TiO <sub>2</sub> aerogel powders: a comprehensive study of their excellent photocatalytic efficiency in organic pollutant removal. <i>New Journal of Chemistry</i> , 2021, 45, 4174-4184.	2.8	7
369	Physiological and molecular basis of bioremediation of micropollutants. , 2021, , 447-464.		2



#	ARTICLE	IF	CITATIONS
370	Efficient removal of pharmaceuticals from water using graphene nanoplatelets as adsorbent. Royal Society Open Science, 2021, 8, 201076.	2.4	19
371	Ultrafast reproducible synthesis of a Ag-nanocluster@MOF composite and its superior visible-photocatalytic activity in batch and in continuous flow. Journal of Materials Chemistry A, 2021, 9, 15704-15713.	10.3	19
372	TiO <sub>2</sub> /Fly Ash Nanocomposite for Photodegradation of Organic Pollutant. , 2021, , 3051-3074.		0
373	Producing Magnetic Nanocomposites from Paper Sludge for the Adsorptive Removal of Pharmaceuticals from Water—A Fractional Factorial Design. Nanomaterials, 2021, 11, 287.	4.1	13
374	Photodegradation of Atorvastatin under Light Conditions Relevant to Natural Waters and Photoproducts Toxicity Assessment. Open Journal of Applied Sciences, 2021, 10, 489-499.	0.4	4
375	TiO <sub>2</sub> /Fly Ash Nanocomposite for Photodegradation of Organic Pollutant. , 2020, , 1-24.		3
376	Treatment of wastewater containing pharmaceuticals: biological treatment. , 2020, , 463-520.		8
377	Estimation of measurement uncertainty for the quantitative analysis of pharmaceutical residues in river water using solid-phase extraction coupled with injector port silylation-gas chromatography-tandem mass spectrometry. Microchemical Journal, 2020, 159, 105560.	4.5	11
378	Constructing Mesoporous Adsorption Channels and MOF—Polymer Interfaces in Electrospun Composite Fibers for Effective Removal of Emerging Organic Contaminants. ACS Applied Materials & Interfaces, 2021, 13, 755-764.	8.0	86
379	Synthesis of Poly(methacrylic acid)/Montmorillonite Hydrogel Nanocomposite for Efficient Adsorption of Amoxicillin and Diclofenac from Aqueous Environment: Kinetic, Isotherm, Reusability, and Thermodynamic Investigations. ACS Omega, 2020, 5, 2843-2855.	3.5	38
380	Transition towards sustainable pharmacy? The influence of public debates on policy responses to pharmaceutical contaminants in water. Environmental Sciences Europe, 2020, 32, .	5.5	9
381	Photolysis of sodium chloride and sodium hypochlorite by ultraviolet light inactivates the trophozoites and cysts of <i>Acanthamoeba castellanii</i> in the water matrix. Journal of Water and Health, 2021, 19, 190-202.	2.6	16
382	From Laboratory Tests to the Ecoremedial System: The Importance of Microorganisms in the Recovery of PPCPs-Disturbed Ecosystems. Applied Sciences (Switzerland), 2020, 10, 3391.	2.5	19
383	Combined the Photocatalysis and Fenton-like Reaction to Efficiently Remove Sulfadiazine in Water Using g-C <sub>3</sub> N <sub>4</sub> /Ag/Fe <sup>3+</sup> -FeOOH: Insights Into the Degradation Pathway From Density Functional Theory. Frontiers in Chemistry, 2021, 9, 742459.	3.6	6
384	Biofunctionalization of Cork with Moringa oleifera Seeds and Use of PMA Staining and qPCR to Detect Viability of Escherichia coli. Water (Switzerland), 2021, 13, 2731.	2.7	1
385	The Dark Side of Platinum Based Cytostatic Drugs: From Detection to Removal. Processes, 2021, 9, 1873.	2.8	10
386	Emerging and Persistent Pollutants in the Aquatic Ecosystems of the Lower Danube Basin and North West Black Sea Region—A Review. Applied Sciences (Switzerland), 2021, 11, 9721.	2.5	11
387	Degradation of 17 Benzodiazepines by the UV/H <sub>2</sub> O <sub>2</sub> Treatment. Frontiers in Environmental Science, 2021, 9, .	3.3	1



#	ARTICLE	IF	CITATIONS
388	Integration of aminosilicate functionalized-fullerene (C60) QDs on bismuth vanadate (BiVO4) nanolayers for the photocatalytic degradation of pharmaceutical pollutant. <i>Catalysis Today</i> , 2023, 407, 252-259.	4.4	8
389	Combined Electro-Fenton and Anodic Oxidation Processes at a Sub-Stoichiometric Titanium Oxide (Ti4O7) Ceramic Electrode for the Degradation of Tetracycline in Water. <i>Water (Switzerland)</i> , 2021, 13, 2772.	2.7	19
390	A comprehensive review on current technologies for removal of endocrine disrupting chemicals from wastewaters. <i>Environmental Research</i> , 2022, 207, 112196.	7.5	55
391	Core-shell activated carbon-ZIF-8 nanomaterials for the removal of tetracycline from polluted aqueous solution. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 1384-1397.	21.1	57
392	Advanced oxidation processes (AOPs) based wastewater treatment - unexpected nitration side reactions - a serious environmental issue: A review. <i>Chemical Engineering Journal</i> , 2022, 430, 133002.	12.7	237
393	Graphene Quantum Dots and Cu(I) Liquid Crystal for Advanced Electrochemical Detection of Doxorubicin in Aqueous Solutions. <i>Nanomaterials</i> , 2021, 11, 2788.	4.1	10
394	Pharmaceuticals and personal care products in aquatic environments and their removal by algae-based systems. <i>Chemosphere</i> , 2022, 288, 132580.	8.2	42
395	UV direct photolysis of amisulbrom in buffer solutions: Kinetics, quantum yield, products identification, DFT, mechanism and predict toxicity. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106594.	6.7	10
396	Evidence of the impacts of pharmaceuticals on aquatic animal behaviour: a systematic map protocol. <i>Environmental Evidence</i> , 2021, 10, .	2.7	6
397	A density-dependent multi-species model to assess groundwater flow and nutrient transport in the coastal Keauhou aquifer, Hawai'i, USA. <i>Hydrogeology Journal</i> , 2022, 30, 231-250.	2.1	7
398	Identification and Ecological Hazard Analysis of Contaminants of Emerging Concerns (CECs) in Water Bodies Located in a Coastal Metropolitan Environment. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	7
399	Sustainable green nanoadsorbents for remediation of pharmaceuticals from water and wastewater: A critical review. <i>Environmental Research</i> , 2022, 204, 112243.	7.5	57
400	Selective adsorption of dyes and pharmaceuticals from water by UiO metal-organic frameworks: A comprehensive review. <i>Polyhedron</i> , 2021, 210, 115515.	2.2	37
401	Creating References. , 2020, , .		0
402	Persistent organic compounds: A review. <i>Advances in Image and Video Processing</i> , 2020, 8, .	0.0	0
403	Optimization of tetracycline adsorption onto zeolitic-imidazolate framework-based carbon using response surface methodology. <i>Surfaces and Interfaces</i> , 2022, 28, 101549.	3.0	19
404	Algal-based system for removal of emerging pollutants from wastewater: A review. <i>Bioresource Technology</i> , 2022, 344, 126245.	9.6	68
405	Occurrence, Fate, Effects, and Risks of Dexamethasone: Ecological Implications Post-COVID-19. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11291.	2.6	18

#	ARTICLE	IF	CITATIONS
406	Photodegradation and ozonation of ibuprofen derivatives in the water environment: Kinetics approach and assessment of mineralization and biodegradability. <i>Chemosphere</i> , 2022, 291, 132742.	8.2	10
407	Zn-doped Bi <sub>2</sub> MoO <sub>6</sub> supported on reduced graphene oxide with increased surface active sites for degradation of ciprofloxacin. <i>Environmental Science and Pollution Research</i> , 2022, 29, 19835-19846.	5.3	2
408	QSAR Approaches and Ecotoxicological Risk Assessment. <i>Methods in Pharmacology and Toxicology</i> , 2020, , 615-638.	0.2	0
409	Occurrence and Fate of Psychiatric Pharmaceuticals in Wastewater Treatment Plants in Hong Kong: Enantiomeric Profiling and Preliminary Risk Assessment. <i>ACS ES&amp;T Water</i> , 2021, 1, 542-552.	4.6	18
410	Pharmaceuticals: An Emerging Problem of Environment and Its Removal Through Biodegradation. , 2021, , 267-292.		4
411	Peroxymonosulfate activation by a metal-free biochar for sulfonamide antibiotic removal in water and associated bacterial community composition. <i>Bioresource Technology</i> , 2022, 343, 126082.	9.6	48
412	Distribution, transfer, ecological and human health risks of antibiotics in bay ecosystems. <i>Environment International</i> , 2022, 158, 106949.	10.0	24
413	Synthesis and characterization of rhamnolipid based chitosan magnetic nanosorbents for the removal of acetaminophen from aqueous solution. <i>Chemosphere</i> , 2022, 288, 132532.	8.2	23
414	A comprehensive review on preparation, functionalization and recent applications of nanofiber membranes in wastewater treatment. <i>Journal of Environmental Management</i> , 2022, 301, 113908.	7.8	67
415	A defect-rich layered double hydroxide nanofiber filter with solar-driven regeneration for wastewater treatment. <i>Chemical Engineering Journal</i> , 2022, 430, 132842.	12.7	10
416	Facile and large-scale synthesis of polymorphic graphdiyne catalyzed by transition metal salts for organic pollutant removal. <i>RSC Advances</i> , 2021, 11, 35408-35414.	3.6	3
417	TiO <sub>2</sub> /Fly Ash Nanocomposite for Photodegradation of Organic Pollutant. , 2020, , 1-24.		2
418	Recent Advances in Biochar-Based Mitigation of Dyes, Agrochemicals, and Pharmaceutical Pollutants. <i>Clean Energy Production Technologies</i> , 2020, , 391-415.	0.5	0
419	Solar Light Induced Photocatalysis for Treatment of High COD Pharmaceutical Effluent with Recyclable Ag-Fe Codoped TiO <sub>2</sub> : Kinetics of COD Removal. <i>Current World Environment Journal</i> , 2020, 15, 137-150.	0.5	3
420	Carbamazepine removal from aqueous solution by synthesized reduced graphene oxide-nano zero valent iron (Fe <sup>0</sup> -rGO) composite: theory, process optimization, and coexisting drugs effects. <i>Water Science and Technology</i> , 2021, 84, 2557-2577.	2.5	4
421	Synthesis of glutaraldehyde-modified silica/chitosan composites for the removal of water-soluble diclofenac sodium. <i>Carbohydrate Polymers</i> , 2022, 277, 118868.	10.2	26
422	Kinetics and pathway of levofloxacin degradation by ferrate(VI) and reaction mechanism of catalytic degradation by copper sulfide. <i>Separation and Purification Technology</i> , 2022, 282, 120104.	7.9	9
423	Review of Hybrid 1D/2D Photocatalysts for Light-Harvesting Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 11323-11352.	5.0	36

#	ARTICLE	IF	CITATIONS
424	Highly Robust Interfacially Polymerized PA Layer on Thermally Responsive Semi-IPN Hydrogel: Toward On-Demand Tuning of Porosity and Surface Charge. ACS Applied Materials & Interfaces, 2021, 13, 60590-60601.	8.0	4
425	Sorption and desorption behavior of residual antidepressants and caffeine in freshwater sediment and sewage sludge. International Journal of Sediment Research, 2022, 37, 346-354.	3.5	9
426	Photodegradation processes of oxcarbazepine under solar simulated radiation: Analysis of transformation products. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 425, 113646.	3.9	5
427	Superior selectivity of high-frequency ultrasound toward chorine containing-pharmaceuticals elimination in urine: A comparative study with other oxidation processes through the elucidation of the degradation pathways. Ultrasonics Sonochemistry, 2021, 80, 105814.	8.2	6
428	UiO-67-derived bithiophene and bithiazole MIXMOFs for luminescence sensing and removal of contaminants of emerging concern in wastewater. Inorganic Chemistry Frontiers, 2021, 9, 90-102.	6.0	3
429	A customizable 3D printed device for enzymatic removal of drugs in water. Water Research, 2022, 208, 117861.	11.3	12
430	Interactions between antibiotics and heavy metals determine their combined toxicity to <i>Synechocystis</i> sp.. Journal of Hazardous Materials, 2022, 424, 127707.	12.4	25
432	Response of <i>Rhodococcus cerastii</i> IEGM 1278 to toxic effects of ibuprofen. PLoS ONE, 2021, 16, e0260032.	2.5	17
433	Supported porphyrins for the photocatalytic degradation of organic contaminants in water: a review. Environmental Chemistry Letters, 2022, 20, 731-771.	16.2	25
434	Comparison and prioritization of antibiotics in a reservoir and its inflow rivers of Beijing, China. Environmental Science and Pollution Research, 2022, 29, 25209-25221.	5.3	13
435	Simulation degradation of bromophenolic compounds in chlorine-based advanced oxidation processes: Mechanism, microscopic and apparent kinetics, and toxicity assessment. Chemosphere, 2022, 291, 133034.	8.2	4
436	A Review on Emerging Pollutants in the Water Environment: Existences, Health Effects and Treatment Processes. Water (Switzerland), 2021, 13, 3258.	2.7	69
437	Insights into removal of antibiotics by selected microalgae ( <i>Chlamydomonas reinhardtii</i> , <i>Chlorella</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 102560.	4.6	19
438	Construction of mesoporous CdO/g-C <sub>3</sub> N <sub>4</sub> nanocomposites for photooxidation of ciprofloxacin under visible light exposure. Optical Materials, 2021, 122, 111816.	3.6	0
439	Recent advances in photocatalytic remediation of emerging organic pollutants using semiconducting metal oxides: an overview. Environmental Science and Pollution Research, 2022, 29, 4930-4957.	5.3	19
440	Photocatalytic oxidative desulfurization and degradation of organic pollutants under visible light using TiO <sub>2</sub> nanoparticles modified with iron and sulphate ions. Ceramics International, 2022, 48, 6905-6916.	4.8	7
441	Organobeidellites for Removal of Anti-Inflammatory Drugs from Aqueous Solutions. Nanomaterials, 2021, 11, 3102.	4.1	0
442	Alginate-Based Smart Materials and Their Application: Recent Advances and Perspectives. Topics in Current Chemistry, 2022, 380, 3.	5.8	31

#	ARTICLE	IF	CITATIONS
443	Adsorption and desorption of antiviral drugs (ritonavir and lopinavir) on sewage sludges as a potential environmental risk. Journal of Hazardous Materials, 2022, 425, 127901.	12.4	20
444	Synthesis of novel zeolitic imidazolate framework (ZIF-67) @ zinc oxide (ZnO) nanocomposite (ZnO@ZIF-67) and potential adsorption of pharmaceutical (tetracycline (TCC)) from water. Journal of Molecular Structure, 2022, 1251, 132013.	3.6	25
445	Occurrence of Pharmaceuticals and Endocrine Disrupting Compounds in Brazilian Water and the Risks They May Represent to Human Health. International Journal of Environmental Research and Public Health, 2021, 18, 11765.	2.6	16
446	The use of biomimetic chromatography to predict acute aquatic toxicity of pharmaceutical compounds. Toxicological and Environmental Chemistry, 2022, 104, 1-19.	1.2	6
447	Application of data-driven machine learning to predict propranolol and trimethoprim removal using a managed aquifer recharge system. Journal of Environmental Chemical Engineering, 2022, 10, 106847.	6.7	9
448	Pharmaceuticals in water and sediment of small streams under the pressure of urbanization: Concentrations, interactions, and risks. Science of the Total Environment, 2022, 808, 152160.	8.0	22
449	Therapeutic potential of marine peptides in cervical and ovarian cancers. Molecular and Cellular Biochemistry, 2022, 477, 605-619.	3.1	9
450	New insights into the integrated application of Fenton-based oxidation processes for the treatment of pharmaceutical wastewater. Journal of Water Process Engineering, 2021, 44, 102440.	5.6	38
451	Removal of dexamethasone by oxidative processes: Structural characterization of degradation products and estimation of the toxicity. Journal of Environmental Chemical Engineering, 2021, 9, 106884.	6.7	18
452	Green and efficient synthesis of Co-MOF-based/g-C <sub>3</sub> N <sub>4</sub> composite catalysts to activate peroxydisulfate for degradation of the antidepressant venlafaxine. Journal of Colloid and Interface Science, 2022, 610, 280-294.	9.4	34
453	Adsorption of Pharmaceutical Contaminants from Aqueous Solutions Using N,O-Carboxymethyl Chitosan/Polyethylene Oxide (PEO) Electrospun Nanofibers. Journal of Materials Science and Chemical Engineering, 2021, 09, 15-38.	0.4	3
454	Cross-Linked Poly(Vinyl Butyral)/Amine-Functionalized Polyacrylonitrile Adsorptive Membrane Nano-Composited with CeO <sub>2</sub> Nanorods for Simultaneous Aqueous Removal of Heavy Metals and Cefotaxime. SSRN Electronic Journal, 0, , .	0.4	0
455	Comparison of Biological and Physicochemical Techniques for Treatment of Coffee Wastewater – A Comprehensive Review. Chemistry in the Environment, 2021, , 391-409.	0.4	1
456	Occurrence and removal of progestogens from wastewater treatment plants in China: Spatiotemporal variation and process comparison. Water Research, 2022, 211, 118038.	11.3	11
457	UV-light assisted activation of persulfate by rGO-Cu <sub>3</sub> BiS <sub>3</sub> for the degradation of diclofenac. Results in Chemistry, 2022, 4, 100273.	2.0	13
458	A critical review on the sonochemical degradation of organic pollutants in urine, seawater, and mineral water. Ultrasonics Sonochemistry, 2022, 82, 105861.	8.2	28
459	Hybrid polymer aerogels containing porphyrins as catalysts for efficient photodegradation of pharmaceuticals in water. Journal of Colloid and Interface Science, 2022, 613, 461-476.	9.4	8
460	The photocatalytic degradation of naproxen with g-C <sub>3</sub> N <sub>4</sub> and visible light: Identification of primary by-products and mechanism in tap water and ultrapure water. Journal of Environmental Chemical Engineering, 2022, 10, 106964.	6.7	12

#	ARTICLE	IF	CITATIONS
461	Occurrence, removal, and mass balance of contaminants of emerging concern in biological nutrient removal-based sewage treatment plants: Role of redox conditions in biotransformation and sorption. <i>Science of the Total Environment</i> , 2022, 808, 152131.	8.0	13
462	Photoaged polystyrene microplastics serve as photosensitizers that enhance cimetidine photolysis in an aqueous environment. <i>Chemosphere</i> , 2022, 290, 133352.	8.2	25
463	Assessment of the occurrence of 455 pharmaceutical compounds in sludge according to their physical and chemical properties: A review. <i>Journal of Hazardous Materials</i> , 2022, 426, 128104.	12.4	17
464	Pharmaceutical compounds used in the COVID-19 pandemic: A review of their presence in water and treatment techniques for their elimination. <i>Science of the Total Environment</i> , 2022, 814, 152691.	8.0	77
465	Evaluation of the photocatalytic and persulfate activation properties of GO-CuSbS <sub>2</sub> composite. <i>Journal of Photochemistry and Photobiology</i> , 2022, 9, 100095.	2.5	6
466	Fate evaluation of pharmaceuticals in solid and liquid phases at biological process of full-scale municipal wastewater treatment plants. <i>Journal of Water Process Engineering</i> , 2022, 46, 102538.	5.6	11
467	An introduction to the sources, fate, occurrence and effects of endocrine disrupting chemicals released into the environment. <i>Environmental Research</i> , 2022, 207, 112658.	7.5	81
468	Emerging contaminants of high concern for the environment: Current trends and future research. <i>Environmental Research</i> , 2022, 207, 112609.	7.5	226
469	Clozapine modulation of zebrafish swimming behavior and gene expression as a case study to investigate effects of atypical drugs on aquatic organisms. <i>Science of the Total Environment</i> , 2022, 815, 152621.	8.0	4
470	Insight into the Role of Substrate Materials, Plant, and Microbes in the Removal of Pharmaceutically Active Compounds Through Laboratory-Scale Constructed Wetland Studies. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
471	Facile preparation of highly uniform and stable AuNPs/rGO-PEDOT:PSS hybrid film for electrochemical detection of pharmaceutical residue in water. <i>Journal of Nanoparticle Research</i> , 2022, 24, .	1.9	4
472	Mixed Oxime-Functionalized IL/16-s-16 Gemini Surfactants System: Physicochemical Study and Structural Transitions in the Presence of Promethazine as a Potential Chiral Pollutant. <i>Chemosensors</i> , 2022, 10, 46.	3.6	5
473	Removal of hydrochlorothiazide micropollutant from synthetic pharmaceutical effluent by ionic flocculation. <i>Journal of Dispersion Science and Technology</i> , 0, , 1-10.	2.4	1
474	Efficient degradation of various emerging pollutants by wild type and evolved fungal DyP4 peroxidases. <i>PLoS ONE</i> , 2022, 17, e0262492.	2.5	13
475	Are nitrogen and carbon cycle processes impacted by common stream antibiotics? A comparative assessment of single vs. mixture exposures. <i>PLoS ONE</i> , 2022, 17, e0261714.	2.5	4
476	Determination of the pharmaceuticals“ nano/microplastics in aquatic systems by analytical and instrumental methods. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 93.	2.7	11
477	Removal of diclofenac and ibuprofen on mesoporous activated carbon from agro-industrial wastes prepared by optimized synthesis employing a central composite design. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	5
478	Potential of oil palm frond cellulose nanocrystals-activated carbon hydrogel beads for the removal of paracetamol from aqueous media. <i>Cellulose</i> , 2022, 29, 1583-1607.	4.9	8

#	ARTICLE	IF	CITATIONS
479	Ultrasound-Activated Modified Starch Microgranules for Removal of Ibuprofen from Aqueous Media. Starch/Staerke, 2022, 74, .	2.1	5
480	Target and Suspect Screening of Pharmaceuticals and their Transformation Products in the Klip River, South Africa, using Ultra-High-Performance Liquid Chromatography-Mass Spectrometry. Environmental Toxicology and Chemistry, 2022, 41, 437-447.	4.3	12
481	Protein-enabled detection of ibuprofen and sulfamethoxazole using solid-state nanopores. Proteomics, 2022, 22, e2100071.	2.2	4
482	COVID-19 drugs in aquatic systems: a review. Environmental Chemistry Letters, 2022, 20, 1275-1294.	16.2	37
483	Removal of emerging contaminants from wastewater using advanced treatments. A review. Environmental Chemistry Letters, 2022, 20, 1333-1375.	16.2	124
484	Toxicological effect and enzymatic disorder of non-studied emerging contaminants in Artemia salina model. Toxicology Reports, 2022, 9, 210-218.	3.3	9
485	Multilayered solid phase extraction and ultra performance liquid chromatographic method for suspect screening of halogenated pharmaceuticals and photo-transformation products in freshwater - comparison between data-dependent and data-independent acquisition mass spectrometry. Journal of Chromatography A, 2022, 1663, 462760.	3.7	11
486	Polar organic chemical integrative samplers as an effective tool for chemical monitoring of surface waters - Results from one-year monitoring in France. Science of the Total Environment, 2022, 824, 153549.	8.0	12
488	Microplastic stress induce bioresource production and response in microalgae: a concise review. Environmental Pollutants and Bioavailability, 2022, 34, 51-60.	3.0	7
489	Structural Diversity of Organic Contaminants in a meso-scaled River System. Water, Air, and Soil Pollution, 2022, 233, 1.	2.4	9
490	A UV-visible-NIR active smart photocatalytic system based on NaYbF <sub>4</sub> :Tm <sup>3+</sup> upconverting particles and Ag <sub>3</sub> PO <sub>4</sub> /H <sub>2</sub> O <sub>2</sub> for photocatalytic processes under light on/light off conditions. Materials Advances, 2022, 3, 2706-2715.	5.4	3
491	Pharmaceutical and personal care products in the environment: occurrence and impact on the functioning of the ecosystem. , 2022, , 137-157.		5
492	State-of-the-art biosynthesis of tin oxide nanoparticles by chemical precipitation method towards photocatalytic application. Environmental Science and Pollution Research, 2022, 29, 10871-10893.	5.3	6
493	The Ecotoxicological Effects of Microplastics on Trophic Levels of Aquatic Ecosystems. Emerging Contaminants and Associated Treatment Technologies, 2022, , 389-428.	0.7	3
494	Waste-derived biochar/carbon for various environmental and energy applications. , 2022, , 339-363.		0
495	ZIF-8 metal-organic framework conjugated to pristine and doped B12N12 nanoclusters as a new hybrid nanomaterial for detection of amphetamine. Inorganic Chemistry Communication, 2022, 135, 109119.	3.9	6
496	Quantitative assessment of pharmaceutical drugs in a municipal wastewater and overview of associated risks. Applied Water Science, 2022, 12, 1.	5.6	8
497	Occurrences and impacts of pharmaceuticals and personal care products in soils and groundwater. , 2022, , 5-47.		0



#	ARTICLE	IF	CITATIONS
498	Removal of emerging contaminants by emulsion liquid membrane: perspective and challenges. <i>Environmental Science and Pollution Research</i> , 2022, 29, 12997-13023.	5.3	13
499	Preparation of H <sub>3</sub> PO <sub>4</sub> modified Sidr biochar for the enhanced removal of ciprofloxacin from water. <i>International Journal of Phytoremediation</i> , 2022, 24, 1231-1242.	3.1	8
500	Current status of microbes involved in the degradation of pharmaceutical and personal care products (PPCPs) pollutants in the aquatic ecosystem. <i>Environmental Pollution</i> , 2022, 300, 118922.	7.5	62
501	Stable metal-organic framework fixing within zeolite beads for effectively static and continuous flow degradation of tetracycline by peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2022, 435, 134916.	12.7	49
502	Can "biodegradability" of adsorbents constitute an "Achilles heel" in real-world water purification? Perspectives and opportunities. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107321.	6.7	4
503	An organometallic approach for the preparation of Au-TiO <sub>2</sub> and Au-g-C <sub>3</sub> N <sub>4</sub> nanohybrids: improving the depletion of paracetamol under visible light. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 337-347.	2.9	12
504	Photocatalytic remediation of ciprofloxacin based on Fe <sub>2</sub> O <sub>3</sub> @ZrO <sub>2</sub> nanocomposites under visible-light. <i>Optical Materials</i> , 2022, 124, 112041.	3.6	4
505	Short-term exposure to pharmaceuticals negatively impacts marine flatfish species: Histological, biochemical and molecular clues for an integrated ecosystem risk assessment. <i>Environmental Toxicology and Pharmacology</i> , 2022, 90, 103822.	4.0	0
506	Responses of <i>Ruditapes philippinarum</i> to contamination by pharmaceutical drugs under ocean acidification scenario. <i>Science of the Total Environment</i> , 2022, 824, 153591.	8.0	8
507	Removal of tramadol hydrochloride, an emerging pollutant, from aqueous solution using gamma irradiation combined by nanofiltration. <i>Chemical Engineering Research and Design</i> , 2022, 159, 442-451.	5.6	8
508	Effects of ofloxacin on the structure and function of freshwater microbial communities. <i>Aquatic Toxicology</i> , 2022, 244, 106084.	4.0	31
509	Occurrence of pharmaceuticals and plasticizers in leachate from municipal landfills of different age. <i>Waste Management</i> , 2022, 141, 1-7.	7.4	16
510	Sedimentary spectrum and potential ecological risks of residual pharmaceuticals in relation to sediment-water partitioning and land uses in a watershed. <i>Science of the Total Environment</i> , 2022, 817, 152979.	8.0	9
511	Tracking pollutants in a municipal sewage network impairing the operation of a wastewater treatment plant. <i>Science of the Total Environment</i> , 2022, 817, 152518.	8.0	16
512	Haloperidol alters the behavioral, hematological and biochemical parameters of freshwater African catfish, <i>Clarias gariepinus</i> (Burchell 1822). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 254, 109292.	2.6	3
513	Exploring kinetics, removal mechanism and possible transformation products of tigecycline by <i>Chlorella pyrenoidosa</i> . <i>Science of the Total Environment</i> , 2022, 817, 152988.	8.0	8
514	An assessment of hospital wastewater and biomedical waste generation, existing legislations, risk assessment, treatment processes, and scenario during COVID-19. <i>Journal of Environmental Management</i> , 2022, 308, 114609.	7.8	47
515	Cross-linked poly(vinyl butyral)/ amine-functionalized polyacrylonitrile adsorptive membrane nano-composited with CeO <sub>2</sub> nanoparticles for simultaneous aqueous removal of heavy metals and cefotaxime. <i>Chemical Engineering Journal</i> , 2022, 435, 134849.	12.7	16



#	ARTICLE	IF	CITATIONS
516	Engineered biochar: A multifunctional material for energy and environment. <i>Environmental Pollution</i> , 2022, 298, 118831.	7.5	59
517	Confined space synthesis of chromium-based metal-organic frameworks in activated carbon: Synergistic effect on the adsorption of contaminants of emerging concern from water. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107282.	6.7	6
518	From monitoring to treatment, how to improve water quality: The pharmaceuticals case. <i>Chemical Engineering Journal Advances</i> , 2022, 10, 100245.	5.2	33
519	Ecotoxicological effects of sulfacetamide on a green microalga, <i>Desmodesmus quadricauda</i> : Cell viability, antioxidant system, and biotransformation. <i>Environmental Technology and Innovation</i> , 2022, 26, 102278.	6.1	12
520	Understanding the bioaccumulation of pharmaceutical active compounds by clams <i>Ruditapes decussatus</i> exposed to a UWWTP discharge. <i>Environmental Research</i> , 2022, 208, 112632.	7.5	13
521	A review on bio-electro-Fenton systems as environmentally friendly methods for degradation of environmental organic pollutants in wastewater. <i>RSC Advances</i> , 2022, 12, 5184-5213.	3.6	12
522	Pharmaceuticals and personal care products. , 2022, , 171-190.		2
523	The fate of emerging pollutants in aquatic systems: An overview. , 2022, , 119-135.		6
524	Uptake, depuration, and behavioural effects of oxazepam on activity and foraging in a tropical snail ( <i>Melanoidea tuberculata</i> ). <i>Environmental Advances</i> , 2022, 8, 100187.	4.8	2
525	Optimization of Ozonation Process to Remove Psychoactive Drugs from Two Municipal Wastewater Treatment Plants. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	2.4	12
526	From the pills to environment – Prediction and tracking of non-steroidal anti-inflammatory drug concentrations in wastewater. <i>Science of the Total Environment</i> , 2022, 825, 153611.	8.0	17
527	Decreases in wastewater pollutants increased fish diversity of Chicago's waterways. <i>Science of the Total Environment</i> , 2022, 824, 153776.	8.0	4
528	Adsorption and Fenton-like Degradation of Ciprofloxacin Using Corncob Biochar-Based Magnetic Iron-Copper Bimetallic Nanomaterial in Aqueous Solutions. <i>Nanomaterials</i> , 2022, 12, 579.	4.1	18
529	Trends in on-site removal, treatment, and sensitive assay of common pharmaceuticals in surface waters. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 149, 116556.	11.4	13
530	Upcycling biomass waste into Fe single atom catalysts for pollutant control. <i>Journal of Energy Chemistry</i> , 2022, 69, 282-291.	12.9	30
531	Wastewater treatment and emerging contaminants: Bibliometric analysis. <i>Chemosphere</i> , 2022, 297, 133932.	8.2	121
532	Deciphering the simultaneous removal of carbamazepine and metronidazole by monolithic Co <sub>2</sub> AlO <sub>4</sub> @Al <sub>2</sub> O <sub>3</sub> activated peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2022, 436, 135201.	12.7	13
533	River Biofilms Microbiome and Resistome Responses to Wastewater Treatment Plant Effluents Containing Antibiotics. <i>Frontiers in Microbiology</i> , 2022, 13, 795206.	3.5	11

#	ARTICLE	IF	CITATIONS
534	The versatility of montmorillonite in water remediation using adsorption: Current studies and challenges in drug removal. Journal of Environmental Chemical Engineering, 2022, 10, 107341.	6.7	21
535	Effect of Calcination Conditions on the Properties and Photoactivity of TiO <sub>2</sub> Modified with Biuret. Catalysts, 2021, 11, 1546.	3.5	2
536	Decipher Factors Controlling Sulfonamides Adsorption Onto Mesoporous Carbon. SSRN Electronic Journal, 0, , .	0.4	0
538	Activated Carbon Derived from Sucrose and Melamine as Low-Cost Adsorbent with High Adsorption Capacity for Removal of Methylene Blue in Wastewaters. SSRN Electronic Journal, 0, , .	0.4	0
539	The Overall Assessment of Simultaneous Photocatalytic Degradation of Cimetidine and Amisulpride by Using Chemical and Genotoxicological Approaches. SSRN Electronic Journal, 0, , .	0.4	0
540	Electrospun Nanofiber-Based Composites for Arsenic Removal in Water and Wastewater. Springer Series in Materials Science, 2022, , 145-174.	0.6	0
541	Tracking Fluorine during Aqueous Photolysis and Advanced UV Treatment of Fluorinated Phenols and Pharmaceuticals Using a Combined <sup>19</sup> F-NMR, Chromatography, and Mass Spectrometry Approach. ACS Environmental Au, 2022, 2, 242-252.	7.0	9
542	Photodegradation of organic micropollutants in aquatic environment: Importance, factors and processes. Water Research, 2023, 231, 118236.	11.3	29
543	Psychotropic Drugs of Emerging Concerns in Aquatic Systems: Ecotoxicology and Remediation Approaches. Chemistry Africa, 2022, 5, 481-508.	2.4	9
544	Enhancement of photocatalytic activity of g-C <sub>3</sub> N <sub>4</sub> under solar light by Nd <sup>3+</sup> doping and HPA incorporation and its application in the degradation of ceftriaxone sodium. International Journal of Environmental Analytical Chemistry, 0, , 1-25.	3.3	2
545	Regulation of genetically engineered (GE) mosquitoes as a public health tool: a public health ethics analysis. Globalization and Health, 2022, 18, 21.	4.9	5
546	Co <sup>2+</sup> Aggregation Induced by Amphiphilic Membrane Interface for the Capture of Trace Endocrine Disruptors from Water. Advanced Materials Interfaces, 0, , 2102036.	3.7	2
547	Enhanced photo-fenton and photoelectrochemical activities in nitrogen doped brownmillerite KBiFe <sub>2</sub> O <sub>5</sub> . Scientific Reports, 2022, 12, 5111.	3.3	7
548	Efficient adsorption of acetaminophen from the aqueous phase using low-cost and renewable adsorbent derived from orange peels. Biomass Conversion and Biorefinery, 2024, 14, 2155-2172.	4.6	5
549	Occurrence and toxicological assessment of selected active pharmaceutical ingredients in effluents of pharmaceutical manufacturing plants and wastewater treatment plants in Kampala, Uganda. Water Practice and Technology, 2022, 17, 852-869.	2.0	4
550	Ecotoxicological assessment of amoxicillin trihydrate: Stability, solubility, and acute toxicity for Oreochromis niloticus, Lemna minor, and Daphnia magna. , 2022, 1, 100005.		3
551	Preparation of ultramicroporous volume carbon using high-speed ball-milling and its selective adsorption of CH <sub>4</sub> in low-concentration coalbed methane. Journal of Materials Science, 2022, 57, 6914-6928.	3.7	5
552	Investigation of the Degradation Behavior of Cyclophosphamide by Catalytic Ozonation Based on Mg(OH) <sub>2</sub> . Energies, 2022, 15, 2274.	3.1	0

#	ARTICLE	IF	CITATIONS
553	Characterisation of Two Wood-Waste and Coffee Bean Husk Biochars for the Removal of Micropollutants from Water. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	4
554	Surface Functionalized MXenes for Wastewater Treatment—A Comprehensive Review. <i>Global Challenges</i> , 2022, 6, .	3.6	14
555	Pyrolysis and gasification at water resource recovery facilities: Status of the industry. <i>Water Environment Research</i> , 2022, 94, e10701.	2.7	10
556	Micro(nano)plastics as a vector of pharmaceuticals in aquatic ecosystem: Historical review and future trends. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100068.	3.0	7
557	Effects of the antidepressant paroxetine on migratory behaviour of meiobenthic nematodes: Computational and open experimental microcosm approach. <i>Marine Pollution Bulletin</i> , 2022, 177, 113558.	5.0	6
558	Novel ZnFe <sub>2</sub> O <sub>4</sub> decorated on ZnO nanorod: Synergistic photocatalytic degradation of tetracycline, kinetics, degradation pathway and antifungal activity. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107673.	6.7	13
559	Photocatalytic, electrocatalytic and photoelectrocatalytic degradation of pharmaceuticals in aqueous media: Analytical methods, mechanisms, simulations, catalysts and reactors. <i>Journal of Cleaner Production</i> , 2022, 343, 131061.	9.3	45
560	Tunable 2D Nanomaterials; Their Key Roles and Mechanisms in Water Purification and Monitoring. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	16
561	L-menthol-based eutectic solvents: Characterization and application in the removal of drugs from water. <i>Journal of Molecular Liquids</i> , 2022, 352, 118754.	4.9	17
562	Solar water purification with photocatalytic nanocomposite filter based on TiO <sub>2</sub> nanowires and carbon nanotubes. <i>Npj Clean Water</i> , 2022, 5, .	8.0	13
563	Surface and interface engineering of Z-scheme 1D/2D imprinted CoZn-LDH/C <sub>3</sub> N <sub>4</sub> nanorods for boosting selective visible-light photocatalytic activity. <i>Advanced Powder Technology</i> , 2022, 33, 103531.	4.1	4
564	High-temperature technology survey and comparison among incineration, pyrolysis, and gasification systems for water resource recovery facilities. <i>Water Environment Research</i> , 2022, 94, e10715.	2.7	6
565	Membrane biorreactor, reverse osmosis and UV/H <sub>2</sub> O <sub>2</sub> process integration for ethinylestradiol removal: A cost-benefit analysis. <i>Journal of Environmental Management</i> , 2022, 310, 114760.	7.8	2
566	Meta-analysis of the removal of trace organic contaminants from constructed wetlands: Conditions, parameters, and mechanisms. <i>Ecological Engineering</i> , 2022, 178, 106596.	3.6	6
567	A review on mitigation of emerging contaminants in an aqueous environment using microbial bio-machines as sustainable tools: Progress and limitations. <i>Journal of Water Process Engineering</i> , 2022, 47, 102712.	5.6	15
568	Sustainability assessment of acid-modified biochar as adsorbent for the removal of pharmaceuticals and personal care products from secondary treated wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107592.	6.7	21
569	Why wastewater treatment fails to protect stream ecosystems in Europe. <i>Water Research</i> , 2022, 217, 118382.	11.3	15
570	Emerging pharma residue contaminants: Occurrence, monitoring, risk and fate assessment — A challenge to water resource management. <i>Science of the Total Environment</i> , 2022, 825, 153897.	8.0	30

#	ARTICLE	IF	CITATIONS
571	Activation of hydrogen peroxide, persulfate, and free chlorine by steel anode for treatment of municipal and livestock wastewater: Unravelling the role of oxidants speciation. <i>Water Research</i> , 2022, 216, 118305.	11.3	6
572	Trends in hollow fibre liquid phase microextraction for the preconcentration of pharmaceutically active compounds in aqueous solution: A case for polymer inclusion membrane. <i>Journal of Hazardous Materials</i> , 2022, 431, 128573.	12.4	21
573	Novel ZnTi LDH/h-BN nanocomposites for removal of two different organic contaminants: Simultaneous visible light photodegradation of Amaranth and Diazepam. <i>Journal of Water Process Engineering</i> , 2022, 47, 102581.	5.6	21
574	Synergistic S-Scheme mechanism insights of g-C <sub>3</sub> N <sub>4</sub> and rGO combined ZnO-Ag heterostructure nanocomposite for efficient photocatalytic and anticancer activities. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164255.	5.5	50
575	Photo-assisted electrochemical degradation of ciprofloxacin using DSA® anode with NaCl electrolyte and simultaneous chlorine photolysis. <i>Journal of Water Process Engineering</i> , 2022, 47, 102698.	5.6	12
576	Degradation of sulfadiazine in a cyclic V-SDBD plasma system: Parameters analysis and degradation pathway. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107415.	6.7	10
577	Activated carbon derived from sucrose and melamine as low-cost adsorbent with fast adsorption rate for removal of methylene blue in wastewaters. <i>Journal of Water Process Engineering</i> , 2022, 47, 102763.	5.6	21
578	Progress in microalgal mediated bioremediation systems for the removal of antibiotics and pharmaceuticals from wastewater. <i>Science of the Total Environment</i> , 2022, 825, 153895.	8.0	49
579	Pharmaceuticals and personal care products in water streams: Occurrence, detection, and removal by electrochemical advanced oxidation processes. <i>Science of the Total Environment</i> , 2022, 827, 154348.	8.0	51
580	Photoelectrocatalytic degradation of refractory pollutants over WO <sub>3</sub> /W network photoelectrode with heterophase junction for enhancing mass transportation and charge separation. <i>Applied Catalysis B: Environmental</i> , 2022, 309, 121292.	20.2	23
581	Effect of pH on caffeine removal from aqueous media by graphene/graphene oxide adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 644, 128864.	4.7	15
582	Combined effect of diazepam and polystyrene microplastics on the social behavior of medaka ( <i>Oryzias latipes</i> ). <i>Environmental Pollution</i> , 2022, 304, 119175.	8.2	15
583	Immobilized fungal enzymes: Innovations and potential applications in biodegradation and biosynthesis. <i>Biotechnology Advances</i> , 2022, 57, 107936.	11.7	23
584	Toxicity of waterborne vortioxetine, a new antidepressant, in non-target aquatic organisms: From wonder to concern drugs?. <i>Environmental Pollution</i> , 2022, 304, 119175.	7.5	6
585	Ultrafast degradation of micropollutants in water via electro-periodate activation catalyzed by nanoconfined Fe <sub>2</sub> O <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , 2022, 309, 121289.	20.2	43
586	Recent development on core-shell photo(electro)catalysts for elimination of organic compounds from pharmaceutical wastewater. <i>Chemosphere</i> , 2022, 298, 134311.	8.2	21
587	Modified cellulose/poly(3,4-ethylenedioxythiophene) composite as photocatalyst for the removal of sulindac and carbamazepine from water. <i>Environmental Technology and Innovation</i> , 2022, 27, 102483.	6.1	6
588	Low doses and lifecycle exposure of waterborne antidepressants in zebrafish model: A survey on sperm traits, reproductive behaviours, and transcriptome responses. <i>Science of the Total Environment</i> , 2022, 832, 155017.	8.0	9

#	ARTICLE	IF	CITATIONS
589	Polyvinylpyrrolidone/Single-Walled Carbon Nanotubes Incorporated Polyhipe Monoliths Followed by HPLC for Determination of Tetracycline Antibiotics in Water Samples. <i>Journal of Water Chemistry and Technology</i> , 2021, 43, 483-490.	0.6	2
591	Effective Removal of Acid Dye in Synthetic and Silk Dyeing Effluent: Isotherm and Kinetic Studies. <i>ACS Omega</i> , 2022, 7, 118-128.	3.5	22
592	Supercritical Fluid Chromatographyâ€“Mass-Spectrometry of Nitrogen-Containing Compounds: Atmospheric Pressure Ionization. <i>Journal of Analytical Chemistry</i> , 2021, 76, 1624-1634.	0.9	2
593	Solar Photocatalysis for Degradation of Pharmaceuticals in Hospital Wastewater: Influence of the Type of Catalyst, Aqueous Matrix, and Toxicity Evaluation. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	2.4	9
594	Graphene Oxide-Doped Polymer Inclusion Membrane for Remediation of Pharmaceutical Contaminant of Emerging Concerns: Ibuprofen. <i>Membranes</i> , 2022, 12, 24.	3.0	12
596	Investigation of Photocatalysis by Mesoporous Titanium Dioxide Supported on Glass Fibers as an Integrated Technology for Water Remediation. <i>Catalysts</i> , 2022, 12, 41.	3.5	9
597	Insights into the removal of gaseous oxytetracycline by combined ozone and membrane biofilm reactor. <i>Environmental Engineering Research</i> , 2022, 27, 210469-0.	2.5	4
598	Application of Biochar for Removal of Emerging Contaminants. <i>Energy, Environment, and Sustainability</i> , 2022, , 211-224.	1.0	2
599	Veterinary pharmaceuticals in aquaculture wastewater as emerging contaminant substances in aquatic environment and potential treatment methods. <i>MOJ Ecology &amp; Environmental Sciences</i> , 2021, 6, 98-102.	0.2	5
600	Systematic investigation of the adsorption potential of lignin- and cellulose-based nanomaterials towards pharmaceuticals. <i>Environmental Science: Nano</i> , 2022, 9, 2006-2019.	4.3	4
601	Pharmaceuticals and Personal Care Products as Contaminants of Emerging Concern in Sewage Sludge and Soils and the Role of Transformation Products in Their Fate and Environmental Impact. <i>Handbook of Environmental Chemistry</i> , 2022, , .	0.4	0
602	Removals of atenolol, gliclazide and prazosin using sequencing batch reactor. <i>Materials Today: Proceedings</i> , 2022, 65, 3007-3014.	1.8	2
603	State-of-the-Art Review on the Application of Membrane Bioreactors for Molecular Micro-Contaminant Removal from Aquatic Environment. <i>Membranes</i> , 2022, 12, 429.	3.0	14
604	Sustainable adsorbents for the removal of pharmaceuticals from wastewater: A review. <i>Chemosphere</i> , 2022, 300, 134597.	8.2	30
605	Effects of diclofenac on the gametes and embryonic development of <i>Arbacia lixula</i> . , 2022, 89, 535-545.		1
606	Preparation of separable MnFe <sub>2</sub> O <sub>4</sub> /ZnO/CQDs as a visible light photocatalyst for Gentamicin treatment. <i>Materials Chemistry and Physics</i> , 2022, 286, 126123.	4.0	8
607	Spatiotemporal variation and removal of selected endocrine-disrupting chemicals in wastewater treatment plants across China: Treatment process comparison. <i>Science of the Total Environment</i> , 2022, 835, 155374.	8.0	2
608	Worldwide cases of water pollution by emerging contaminants: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2311-2338.	16.2	117

#	ARTICLE	IF	CITATIONS
609	Effect of UV Irradiation on the Structural Variation of Metal Oxide-Silica Nanocomposites for Enhanced Removal of Erythromycin at Neutral pH. <i>Catalysts</i> , 2022, 12, 424.	3.5	6
610	Seasonal reduction of trace organic pollutants and biotoxicity in hybrid constructed wetlands. <i>Journal of Water Process Engineering</i> , 2022, 47, 102766.	5.6	2
611	Laccase covalently immobilized on avocado seed biochar: A high-performance biocatalyst for acetaminophen sorption and biotransformation. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107731.	6.7	12
612	Selective and rapid degradation of organic contaminants by Mn(V) generated in the Mn(II)-nitrilotriacetic acid/periodate process. <i>Chemical Engineering Journal</i> , 2022, 443, 136387.	12.7	20
613	Enantioselective Ecotoxicity of Venlafaxine in Aquatic Organisms: Daphnia and Zebrafish. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 1851-1864.	4.3	8
614	Sorptive removal of pharmaceuticals using sustainable biochars. , 2022, , 395-427.		3
615	Biochar and biochar composites for poly- and perfluoroalkyl substances (PFAS) sorption. , 2022, , 555-595.		1
616	Magnetic Nitrogenâ€Doped Biochar for Adsorptive and Oxidative Removal of Antibiotics in Aqueous Solutions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
617	Biochar adsorption system designs. , 2022, , 153-203.		5
618	Polymeric Composites for Industrial Water Treatment: An Overview. <i>Water Science and Technology Library</i> , 2022, , 257-283.	0.3	1
619	Nanobiochar for aqueous contaminant removal. , 2022, , 667-704.		2
620	Water Safety, Security, and Sustainability. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2022, , 1-36.	0.4	2
621	Optimization of White-Rot Fungi Mycelial Culture Components for Bioremediation of Pharmaceutical-Derived Pollutants. <i>Water (Switzerland)</i> , 2022, 14, 1374.	2.7	4
622	Egg white-mediated synthesis of BiFeO <sub>3</sub> cubes and their enhanced photocatalytic degradation properties under solar irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 12638-12647.	2.2	7
623	Microwave-Assisted Synthesis of N/TiO <sub>2</sub> Nanoparticles for Photocatalysis under Different Irradiation Spectra. <i>Nanomaterials</i> , 2022, 12, 1473.	4.1	7
624	Surface Complexation Enhanced Adsorption of Tetracycline by ALK-MXene. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 6028-6036.	3.7	30
625	The European Green Deal and nephrology: a call for action by the European Kidney Health Alliance. <i>Nephrology Dialysis Transplantation</i> , 2023, 38, 1080-1088.	0.7	21
626	Sorption of cefdinir, memantine, praziquantel and trimethoprim in sediment and soil samples. <i>Environmental Science and Pollution Research</i> , 2022, , .	5.3	7



#	ARTICLE	IF	CITATIONS
627	Photocatalytic Degradation of Paracetamol in Aqueous Medium Using TiO <sub>2</sub> Prepared by the Sol-Gel Method. <i>Molecules</i> , 2022, 27, 2904.	3.8	6
628	Fast and highly efficient liquid chromatographic methods for qualification and quantification of antibiotic residues from environmental waste. <i>Microchemical Journal</i> , 2022, 179, 107573.	4.5	16
629	Controlling oxygen vacancies of CoMn <sub>2</sub> O <sub>4</sub> by loading on planar and tubular clay minerals and its application for boosted PMS activation. <i>Journal of Hazardous Materials</i> , 2022, 436, 129060.	12.4	33
630	Effects of the COVID-19 pandemic on the environment, waste management, and energy sectors: a deeper look into the long-term impacts. <i>Environmental Science and Pollution Research</i> , 2022, 29, 46438-46457.	5.3	39
631	Assessment of diphenhydramine toxicity – Is its mode of action conserved between human and zebrafish?. <i>Environment International</i> , 2022, 164, 107263.	10.0	9
632	Evaluation of an electrochemical membrane reactor for the removal of $\beta$ -blocker compound from water. <i>Journal of Water Process Engineering</i> , 2022, 47, 102830.	5.6	0
633	Adsorptive and photocatalytic remediation of hazardous organic chemical pollutants in aqueous medium: A review. <i>Journal of Contaminant Hydrology</i> , 2022, 248, 104019.	3.3	30
634	Pharmaceutical wastewater as Emerging Contaminants (EC): Treatment technologies, impact on environment and human health. <i>Energy Nexus</i> , 2022, 6, 100076.	7.7	127
635	Chlorine disinfection byproduct of diazepam affects nervous system function and possesses gender-related difference in zebrafish. <i>Ecotoxicology and Environmental Safety</i> , 2022, 238, 113568.	6.0	2
636	Assessment of the contribution of various constructed wetland components for the removal of pharmaceutically active compounds. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107835.	6.7	9
637	Mass transfer enhancement for rapid, selective extraction of pharmaceuticals by enlarging the microporous on isostructural zeolitic imidazolate Framework-8. <i>Separation and Purification Technology</i> , 2022, 293, 121102.	7.9	5
638	Robust strategies to eliminate endocrine disruptive estrogens in water resources. <i>Environmental Pollution</i> , 2022, 306, 119373.	7.5	10
639	Gatifloxacin photocatalytic degradation in different water matrices: Antimicrobial activity and acute toxicity reduction. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 430, 113973.	3.9	3
640	Peroxymonosulfate oxidation via paralleled nonradical pathways over iron and nitrogen doped porous carbons. <i>Science of the Total Environment</i> , 2022, 836, 155670.	8.0	14
641	Fabrication of a novel Z-scheme Bi <sub>2</sub> MoO <sub>6</sub> /GQDs/MoS <sub>2</sub> hierarchical nanocomposite for the photo-oxidation of ofloxacin and photoreduction of Cr(VI) as aqueous pollutants. <i>Chemical Engineering Journal</i> , 2022, 444, 136609.	12.7	44
642	Health effects and risks associated with the occurrence of pharmaceuticals and their metabolites in marine organisms and seafood. <i>Science of the Total Environment</i> , 2022, 837, 155780.	8.0	17
643	Revealing the mechanism of high water resistant and excellent active of CuMn oxide catalyst derived from Bimetal-Organic framework for acetone catalytic oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 577-590.	9.4	24
644	Cocoa husk-derived Biochars synthesized at low temperature impregnated with zinc chloride for removal of ibuprofen in different solutions. <i>Ingenieria Y Competitividad</i> , 2021, 24, .	0.1	1



#	ARTICLE	IF	CITATIONS
645	Nickel oxide hollow microsphere for the chemiluminescence determination of tuberculostatic drug isoniazid. <i>Luminescence</i> , 2022, 37, 1184-1191.	2.9	2
646	Comparative photo-oxidative degradation of etodolac, febuxostat and imatinib mesylate by UV-C/H <sub>2</sub> O <sub>2</sub> and UV-C/S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> processes: Modeling, treatment optimization and biodegradability enhancement. <i>Environmental Research</i> , 2022, 212, 113385.	7.5	2
647	3D Printing: An Emerging Technology for Biocatalyst Immobilization. <i>Macromolecular Bioscience</i> , 2022, 22, e2200110.	4.1	14
648	Ligninolytic and cellulolytic enzymes as biocatalysts for green agenda. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 3031-3055.	4.6	3
650	Antibiotic bioremediation by new generation biochar: Recent updates. <i>Bioresource Technology</i> , 2022, 358, 127384.	9.6	34
651	Transport dynamics of atenolol in an electrodialysis cell: Membrane sorption and electric field-driven effects. <i>Journal of Water Process Engineering</i> , 2022, 48, 102870.	5.6	4
652	Emerging Contaminants in Wastewater and Associated Treatment Technologies. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2022, , 231-261.	0.7	2
653	Insights into the Implication of Halogen Ions on the Photoactivity of Dissolved Black Carbon for the Degradation of Pharmaceutically Active Compounds: Pathways and Mechanism. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
656	Zeolite Composite Materials for the Simultaneous Removal of Pharmaceuticals, Personal Care Products, and Perfluorinated Alkyl Substances in Water Treatment. <i>ACS ES&amp;T Water</i> , 2022, 2, 1046-1055.	4.6	8
657	Removal of Contaminants from Water by Membrane Filtration: A Review. <i>Membranes</i> , 2022, 12, 570.	3.0	57
658	Removal of Per- and Polyfluoroalkyl Substances by Electron Beam and Plasma Irradiation: A Mini-Review. <i>Water (Switzerland)</i> , 2022, 14, 1684.	2.7	7
659	The overall assessment of simultaneous photocatalytic degradation of Cimetidine and Amisulpride by using chemical and genotoxicological approaches. <i>Science of the Total Environment</i> , 2022, 838, 156140.	8.0	7
660	Sources, spatio-temporal distribution and depth variations in groundwater salinity of the semi-arid Rohtak district, Haryana, India. <i>Groundwater for Sustainable Development</i> , 2022, 18, 100790.	4.6	6
661	Cellular Modifications of Rhodococci Exposed to Separate and Combined Effects of Pharmaceutical Pollutants. <i>Microorganisms</i> , 2022, 10, 1101.	3.6	4
662	Electro-Fenton-Based Technologies for Selectively Degrading Antibiotics in Aqueous Media. <i>Catalysts</i> , 2022, 12, 602.	3.5	4
663	A miniaturized passive sampling-based workflow for monitoring chemicals of emerging concern in water. <i>Science of the Total Environment</i> , 2022, 839, 156260.	8.0	10
664	A review on emerging water contaminants and the application of sustainable removal technologies. Case Studies in Chemical and Environmental Engineering, 2022, 6, 100219.	6.1	107
665	Multi-functional metal-organic frameworks for detection and removal of water pollutions. <i>Chemical Communications</i> , 2022, 58, 7890-7908.	4.1	25

#	ARTICLE	IF	CITATIONS
666	Monitoring of Amoxicillin and Cephalexin Antibiotics in Municipal WWTPs During Covid-19 Outbreak: A Case Study in Isfahan, Iran. <i>Air, Soil and Water Research</i> , 2022, 15, 117862212211038.	2.5	7
667	Occurrence, ecological risk assessment and source apportionment of pharmaceuticals, steroid hormones and xenoestrogens in the Ghanaian aquatic environments. <i>Toxicology Reports</i> , 2022, 9, 1398-1409.	3.3	4
668	Integration of Micro-Nano-Engineered Hydroxyapatite/Biochars with Optimized Sorption for Heavy Metals and Pharmaceuticals. <i>Nanomaterials</i> , 2022, 12, 1988.	4.1	7
669	Sequential removal of chromium (VI) and prednisolone by nanobiochar- enriched-diamine derivative. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 7011-7030.	4.6	8
670	Agro-industrial residues as biosorbents for the removal of anti-inflammatories from aqueous matrices: An overview. <i>Environmental Advances</i> , 2022, 9, 100261.	4.8	4
671	Comparative investigation of diclofenac degradation by Fe <sup>2+</sup> /chlorine and Fe <sup>2+</sup> /PMS processes. <i>Separation and Purification Technology</i> , 2022, 297, 121555.	7.9	20
672	Pharmaceuticals in the Aquatic Environment: A Review on Eco-Toxicology and the Remediation Potential of Algae. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7717.	2.6	48
673	FeOCl Nanoparticles Loaded onto Oxygen-Enriched Carbon Nanotubes and Nickel-Foam-Based Cathodes for the Electro-Fenton Degradation of Pollutants. <i>ACS Applied Nano Materials</i> , 2022, 5, 12095-12106.	5.0	19
674	Photocatalytic Degradation of High Concentration Aqueous Solutions of Ketoprofen: Adsorption, Reaction Kinetic and Product Studies. <i>Topics in Catalysis</i> , 2022, 65, 1361-1372.	2.8	1
675	<i>Nocardioides carbamazepini</i> sp. nov., an ibuprofen degrader isolated from a biofilm bacterial community enriched on carbamazepine. <i>Systematic and Applied Microbiology</i> , 2022, 45, 126339.	2.8	10
676	Decipher the molecular descriptors and mechanisms controlling sulfonamide adsorption onto mesoporous carbon: Density functional theory calculation and partial least-squares path modeling. <i>Journal of Hazardous Materials</i> , 2022, 436, 129299.	12.4	8
677	Continuous degradation of micropollutants in real world treated wastewaters by photooxidation in dynamic conditions. <i>Water Research</i> , 2022, 221, 118777.	11.3	3
678	Antibiotic resistome and its driving factors in an urban river in northern China. <i>Science of the Total Environment</i> , 2022, 838, 156536.	8.0	10
679	Construction of magnetic alginate-based biosorbent and its adsorption performances for anionic organic contaminants. <i>Separation and Purification Technology</i> , 2022, 297, 121566.	7.9	4
680	Magnetic Nitrogen-“Doped biochar for adsorptive and oxidative removal of antibiotics in aqueous solutions. <i>Separation and Purification Technology</i> , 2022, 297, 121508.	7.9	12
681	Hydrophobic PVDF-HNT membrane for oxytetracycline removal via DCMD: The influence of fabrication parameters on permeability, selectivity and antifouling properties. <i>Journal of Water Process Engineering</i> , 2022, 49, 102960.	5.6	3
682	Sustainability Assessment of Industrial Production of Pharmaceuticals Through a Life Cycle Assessment Approach. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2022, 26, .	2.0	0
683	Metformin as an emerging concern in wastewater: Occurrence, analysis and treatment methods. <i>Environmental Research</i> , 2022, 213, 113613.	7.5	29

#	ARTICLE	IF	CITATIONS
686	Regulating Defective Sites for Pharmaceuticals Selective Removal: Structure-Dependent Adsorption Over Continuously Tunable Pores. SSRN Electronic Journal, 0, , .	0.4	0
687	Removal of Organic Pollutants from Waste Water by Adsorption onto Rice Husk-Based Adsorbents, an Agricultural Waste. , 2022, , 287-313.		1
688	Demonstrating a Comprehensive Wastewater-Based Surveillance Approach That Differentiates Globally Sourced Resistomes. Environmental Science & Technology, 2022, 56, 14982-14993.	10.0	27
689	Inactivation of Bacteria and Residual Antimicrobials in Hospital Wastewater by Ozone Treatment. Antibiotics, 2022, 11, 862.	3.7	7
690	Physico-chemical analysis of industrial wastewater pollution from kigali special economic zone (KSEZ) and the potential impacts in the downstream regions of Kigali City in Rwanda. Sustainable Water Resources Management, 2022, 8, .	2.1	1
691	Sustainable Mitigation of Paracetamol with a Novel Dual-Functionalized Pullulan/Kaolin Hydrogel Nanocomposite from Simulated Wastewater. Langmuir, 2022, 38, 8280-8295.	3.5	27
692	Potential Application of Perovskite Structure for Water Treatment: Effects of Band Gap, Band Edges, and Lifetime of Charge Carrier for Photocatalysis. Frontiers in Nanotechnology, 0, 4, .	4.8	6
693	Effect of 17Î²-Estradiol on Growth and Biosynthesis of Microalgae Scenedesmus quadricauda (CPCC-158) and Duckweed Lemna minor (CPCC-490) Grown in Three Different Media. Plants, 2022, 11, 1669.	3.5	3
694	Occurrence of herbicides in the aquatic environment and their removal using advanced oxidation processes: a critical review. Environmental Geochemistry and Health, 2023, 45, 1231-1260.	3.4	7
695	Ozonation and UV photolysis for removing anticancer drug residues from hospital wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2022, 57, 635-644.	1.7	2
696	NH <sub>2</sub> -CuO-MCM-41 covalently cross-linked multipurpose membrane for applications in water treatment: Removal of hazardous pollutants from water, water desalination and anti-biofouling performance. Chemosphere, 2022, , 135592.	8.2	6
697	Synthesis of dithiol-modified mesoporous silica adsorbent for selective adsorption of mercury ions from wastewater. Applied Nanoscience (Switzerland), 2023, 13, 6015-6024.	3.1	5
698	Structural features promoting adsorption of contaminants of emerging concern onto TiO <sub>2</sub> P25: experimental and computational approaches. Environmental Science and Pollution Research, 2022, 29, 87628-87644.	5.3	2
699	Oneâ€œpot Economic Synthesis to the Functional Copper Mixedâ€œtriazolate MOF Materials Towards an Enhanced Adsorptive Removal of Diclofenac Sodium. ChemistrySelect, 2022, 7, .	1.5	1
700	Quantification of Caffeine Interactions in Choline Chloride Natural Deep Eutectic Solvents: Solubility Measurements and COSMO-RS-DARE Interpretation. International Journal of Molecular Sciences, 2022, 23, 7832.	4.1	5
701	Multiple Roles of Dissolved Organic Matter in Advanced Oxidation Processes. Environmental Science & Technology, 2022, 56, 11111-11131.	10.0	112
702	A decadal analysis to unravel the global status of emerging contaminants in wastewaters and comparison with the Indian context. Groundwater for Sustainable Development, 2022, 18, 100803.	4.6	3
703	Carbon nanotube based magnetic composites for decontamination of organic chemical pollutants in water: A review. Applied Surface Science Advances, 2022, 10, 100270.	6.8	39

#	ARTICLE	IF	CITATIONS
704	Fabrication of high visible light active LaFeO <sub>3</sub> /Cl-g-C <sub>3</sub> N <sub>4</sub> /RGO heterojunction for solar assisted photo-degradation of aceclofenac. Journal of Environmental Chemical Engineering, 2022, 10, 108098.	6.7	23
705	Invertebrates differentially bioaccumulate pharmaceuticals: Implications for routine biomonitoring. Environmental Pollution, 2022, 309, 119715.	7.5	4
706	Tracing water-soluble, persistent substances in the Black Sea. Environmental Pollution, 2022, 308, 119708.	7.5	3
707	Persulfate contribution to photolytic and pulsed corona discharge oxidation of metformin and tramadol in water. Chemical Engineering Research and Design, 2022, 165, 22-30.	5.6	5
708	Cucurbit[n]uril-rotaxanes functionalized membranes with heterogeneous channel and regenerable surface for efficient and sustainable nanofiltration. Journal of Membrane Science, 2022, 659, 120765.	8.2	4
709	Impact of water matrices on oxidation effects and mechanisms of pharmaceuticals by ultraviolet-based advanced oxidation technologies: A review. Science of the Total Environment, 2022, 844, 157162.	8.0	25
710	A thermocatalytic perovskite-graphene oxide nanofiltration membrane for water depollution. Journal of Water Process Engineering, 2022, 49, 102941.	5.6	5
711	Sorption of selected pharmaceutical compounds on polyethylene microplastics: Roles of pH, aging, and competitive sorption. Chemosphere, 2022, 307, 135561.	8.2	5
712	Photocatalytic degradation of antibiotic drug and dye pollutants under visible-light irradiation by reduced graphene oxide decorated MoO <sub>3</sub> /TiO <sub>2</sub> nanocomposite. Materials Science in Semiconductor Processing, 2022, 150, 106974.	4.0	23
713	Occurrence, detection and removal of amoxicillin in wastewater: A review. Journal of Cleaner Production, 2022, 368, 133140.	9.3	28
714	Recent development in the sustainable remediation of antibiotics: A review. , 2022, 3-4, 100008.		4
715	AuAg Nanoparticles Grafted on TiO <sub>2</sub> @N-Doped Porous Carbon: Improved Depletion of Ciprofloxacin under Visible Light through Plasmonic Photocatalysis. Nanomaterials, 2022, 12, 2524.	4.1	1
716	Environmental concentrations of a delorazepam-based drug impact on embryonic development of non-target Xenopus laevis. Aquatic Toxicology, 2022, 250, 106244.	4.0	12
717	Flow-through integration of FeOCl/graphite felt-based heterogeneous electro-Fenton and Ti <sub>4</sub> O <sub>7</sub> -based anodic oxidation for efficient contaminant degradation. Chemical Engineering Journal, 2022, 450, 138263.	12.7	30
718	Î2-Ketoenamine Covalent Organic Frameworksâ€™Effects of Functionalization on Pollutant Adsorption. Polymers, 2022, 14, 3096.	4.5	5
719	On-Farm Practices Associated with Multi-Drug-Resistant Escherichia coli and Vibrio parahaemolyticus Derived from Cultured Fish. Microorganisms, 2022, 10, 1520.	3.6	1
720	Antibiotics in global rivers. , 2022, 1, 20220029.		41
721	BIOTESTING METHODS FOR THE DETECTION OF DRUGS IN THE AQUATIC ENVIRONMENT. Pharmacy Formulas, 0, , .	0.2	1

#	ARTICLE	IF	CITATIONS
722	Role of Surface Defects and Optical Band-gap Energy on Photocatalytic Activities of Titanate-based Perovskite Nanomaterial. , O, , .		1
723	Impacts of wastewater effluents and seasonal trends on levels of antipsychotic pharmaceuticals in water and sediments from two cold-region rivers. <i>Science of the Total Environment</i> , 2022, 851, 158247.	8.0	5
724	Ti-based robust MOFs in the combined photocatalytic degradation of emerging organic contaminants. <i>Scientific Reports</i> , 2022, 12, .	3.3	10
725	Adsorption of pharmaceutical products from aqueous solutions on functionalized carbon nanotubes by conventional and green methods: A critical review. <i>Journal of Cleaner Production</i> , 2022, 372, 133743.	9.3	31
726	Antibiotic resistance in aquaculture and aquatic organisms: a review of current nanotechnology applications for sustainable management. <i>Environmental Science and Pollution Research</i> , 2022, 29, 69241-69274.	5.3	47
727	Octocrylene: From Sunscreens to the Degradation Pathway during Chlorination Processes: Formation of Byproducts and Their Ecotoxicity Assessment. <i>Molecules</i> , 2022, 27, 5286.	3.8	1
728	Rapid and Efficient Removal of Diverse Anionic Water Contaminants Using a Guanidium-Based Ionic Covalent Organic Network (iCON). <i>ACS Applied Polymer Materials</i> , 2022, 4, 6630-6641.	4.4	11
729	Embryonic Arsenic Exposure Triggers Long-Term Behavioral Impairment with Metabolite Alterations in Zebrafish. <i>Toxics</i> , 2022, 10, 493.	3.7	10
730	2D hybrid photocatalysts for solar energy harvesting. <i>Sustainable Materials and Technologies</i> , 2022, 33, e00469.	3.3	7
731	Dynamic adsorption of diclofenac onto a magnetic nanocomposite in a continuous stirred-tank reactor. <i>Journal of Environmental Management</i> , 2022, 320, 115755.	7.8	2
732	Facile fabrication of Z-scheme TiO <sub>2</sub> /ZnO@MCM-41 heterojunctions nanostructures for photodegradation and bioactivity performance. <i>Journal of Molecular Liquids</i> , 2022, 364, 119990.	4.9	42
733	Removal of diclofenac and sulfamethoxazole from aqueous solutions and wastewaters using a three-dimensional electrochemical process. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108419.	6.7	10
734	Metal-free single heteroatom (N, O, and B)-doped coconut-shell biochar for enhancing the degradation of sulfathiazole antibiotics by peroxymonosulfate and its effects on bacterial community dynamics. <i>Environmental Pollution</i> , 2022, 311, 119984.	7.5	19
735	Photo-catalyst for wastewater treatment: A review of modified Fenton, and their reaction kinetics. <i>Applied Surface Science Advances</i> , 2022, 11, 100282.	6.8	13
736	Architecture of bimetallic-MOF/silicate derived Co/NC@mSiO <sub>2</sub> as peroxymonosulfate activator for highly efficient ciprofloxacin degradation. <i>Separation and Purification Technology</i> , 2022, 300, 121911.	7.9	44
737	Membrane technology for pesticide removal from aquatic environment: Status quo and way forward. <i>Chemosphere</i> , 2022, 307, 136018.	8.2	22
738	Novel ZnO nanorods/Bi <sub>2</sub> MoO <sub>6</sub> /MIL-101(Fe) heterostructure immobilized on FTO with boosting photocatalytic activity for tetracycline degradation: Reaction mechanism and toxicity assessment. <i>Applied Surface Science</i> , 2022, 602, 154389.	6.1	26
739	Short-term Co-exposure of celery leaf powder exerts detoxifying action against acetaminophen-induced toxicity in fish gills. <i>Journal of Hazardous Materials Advances</i> , 2022, 8, 100148.	3.0	2

#	ARTICLE	IF	CITATIONS
740	Recent progress of metal organic frameworks-derived composites in adsorptive removal of pharmaceuticals. <i>Polyhedron</i> , 2022, 226, 116082.	2.2	12
741	Insights into the implication of halogen ions on the photoactivity of dissolved black carbon for the degradation of pharmaceutically active compounds. <i>Separation and Purification Technology</i> , 2022, 300, 121765.	7.9	4
742	Indication of the impact of environmental stress on the responses of the bivalve mollusk <i>Unio tumidus</i> to ibuprofen and microplastics based on biomarkers of reductive stress and apoptosis. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 261, 109425.	2.6	13
743	Challenges on solar oxidation as post-treatment of municipal wastewater from UASB systems: Treatment efficiency, disinfection and toxicity. <i>Science of the Total Environment</i> , 2022, 850, 157940.	8.0	7
744	Analysis of the contribution of locally derived wastewater to the occurrence of Pharmaceuticals and Personal Care Products in Antarctic coastal waters. <i>Science of the Total Environment</i> , 2022, 851, 158116.	8.0	6
745	Bioaccumulation potential of the tricyclic antidepressant amitriptyline in a marine Polychaete, <i>Nereis virens</i> . <i>Science of the Total Environment</i> , 2022, 851, 158193.	8.0	5
746	2D TiS <sub>2</sub> flakes for tetracycline hydrochloride photodegradation under solar light. <i>Applied Catalysis B: Environmental</i> , 2022, 318, 121872.	20.2	21
747	Removal of nonsteroidal anti-inflammatory drugs and analgesics from wastewater by adsorption on cross-linked $\beta$ -cyclodextrin. <i>Water Resources and Industry</i> , 2022, 28, 100186.	3.9	9
748	Single and dual polymeric sponges for emerging pollutants removal. <i>European Polymer Journal</i> , 2022, 179, 111556.	5.4	12
749	Dexamethasone degradation in aqueous medium by a thermally activated persulfate system: Kinetics and transformation products. <i>Journal of Water Process Engineering</i> , 2022, 49, 103134.	5.6	9
750	Visible light driven doped CeO <sub>2</sub> for the treatment of pharmaceuticals in wastewater: A review. <i>Journal of Water Process Engineering</i> , 2022, 49, 103130.	5.6	26
751	Green-functionalized carbon nanotubes as adsorbents for the removal of emerging contaminants from aqueous media. <i>Journal of Cleaner Production</i> , 2022, 373, 133961.	9.3	16
752	Non-conventional processes applied for the removal of pharmaceuticals compounds in waters: A review. <i>Chemical Engineering Research and Design</i> , 2022, 167, 527-542.	5.6	11
753	Recent applications of organic molecule-based framework porous materials in solid-phase microextraction for pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 221, 115040.	2.8	9
754	Adsorption of lincomycin on microwave activated biochar: Batch and dynamic adsorption. <i>Chemical Engineering Research and Design</i> , 2022, 187, 140-150.	5.6	11
755	Predicting selection for antimicrobial resistance in UK wastewater and aquatic environments: Ciprofloxacin poses a significant risk. <i>Environment International</i> , 2022, 169, 107488.	10.0	14
756	Biochar from palm fiber wastes as an activator of different oxidants for the elimination of pharmaceuticals from diverse classes in aqueous samples. <i>Journal of Environmental Management</i> , 2022, 323, 116148.	7.8	9
757	Pharmaceutical residues: One of the significant problems in achieving "clean water for all" and its solution. <i>Environmental Research</i> , 2022, 215, 114219.	7.5	19



#	ARTICLE	IF	CITATIONS
758	Immobilized metal affinity-silica based support for the solid phase extraction of antimicrobials from water. <i>Microchemical Journal</i> , 2022, 183, 107968.	4.5	1
759	An overall assessment of the effects of antidepressant paroxetine on aquatic organisms and human cells. <i>Science of the Total Environment</i> , 2022, 852, 158393.	8.0	7
760	Contribution of different reactive species in the oxidation of bisphenol A by permanganate combined with 1-hydroxybenzotriazole. <i>Chemical Engineering Journal</i> , 2023, 451, 138813.	12.7	5
761	Regulating defective sites for pharmaceuticals selective removal: Structure-dependent adsorption over continuously tunable pores. <i>Journal of Hazardous Materials</i> , 2023, 442, 130025.	12.4	13
762	Promoting selective water decontamination via boosting activation of periodate by nanostructured Ru-supported Co <sub>3</sub> O <sub>4</sub> catalysts. <i>Journal of Hazardous Materials</i> , 2023, 442, 130058.	12.4	26
763	Membrane bioreactor processes. , 2022, , 155-191.		0
764	Strontium vanadate-supported graphitic carbon nitride nanocomposite for simultaneous voltammetric determination of acetaminophen and levofloxacin in complex biological samples. <i>Environmental Science: Nano</i> , 2022, 9, 3927-3942.	4.3	6
765	Leaking of antibiotics in the aquatic environment. , 2022, , 47-67.		1
766	Updated knowledge, partitioning and ecological risk of pharmaceuticals and personal care products in global aquatic environments. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1982-2008.	3.5	13
767	Antibiotics in a Seasonal Ice-Sealed Reservoir: Occurrence, Temporal Variation, Prioritization, and Source Apportionment. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
768	High-frequency ultrasound processes as alternative methods for degrading meropenem antibiotic in water. <i>MethodsX</i> , 2022, 9, 101835.	1.6	2
769	Emerging Organic Compound (EOC) Removal from Water and Wastewater Using Innovative Technologies and Materials. <i>Handbook of Environmental Chemistry</i> , 2022, , 379-419.	0.4	1
770	Single and combined exposure to micro(nano)plastics and azithromycin disturbing the photosynthetic carbon fixation of <i>Synechocystis</i> sp.. <i>Environmental Science: Nano</i> , 0, , .	4.3	0
771	Aqueous ibuprofen sorption by using activated walnut shell biochar: process optimization and cost estimation. <i>Environmental Science Advances</i> , 2022, 1, 530-545.	2.7	10
772	Emerging environmental contaminants at the air/aqueous and biological soft interfaces. <i>Environmental Science Advances</i> , 2022, 1, 430-437.	2.7	0
773	Amoxicillin Trihydrate Characterization and investigative adsorption using a Brazilian montmorillonite. <i>Revista Materia</i> , 2022, 27, .	0.2	0
774	Application of downflow hanging sponge reactor and biochar for water and wastewater treatment. , 2022, , 271-309.		0
775	Using the zebrafish model system to identify the health effects of pharmaceutical pollutants. , 2022, , 1-25.		0

#	ARTICLE	IF	CITATIONS
776	Efficient remediation of antibiotic pollutants from the environment by innovative biochar: current updates and prospects. <i>Bioengineered</i> , 2022, 13, 14730-14748.	3.2	12
777	Hydrogeochemical analysis and groundwater quality applications of chloride in and around Puzhal Lake, Tamil Nadu, India. <i>International Journal of Health Sciences</i> , 0, , 11068-11077.	0.1	0
778	Metformin-induced alterations in gills of the freshwater fish <i>Astyanax lacustris</i> (Lacépède, 1875) detected by histological and scanning electron microscopy. <i>Ecotoxicology</i> , 2022, 31, 1205-1216.	2.4	5
779	Photomediated Hydro- and Deuterodecarboxylation of Pharmaceutically Relevant and Natural Aliphatic Carboxylic Acids. <i>Journal of Organic Chemistry</i> , 2023, 88, 6347-6353.	3.2	2
780	Current progress in treatment technologies for plastic waste (bisphenol A) in aquatic environment: Occurrence, toxicity and remediation mechanisms. <i>Environmental Pollution</i> , 2022, 315, 120319.	7.5	43
781	Flow-Based Detection of Micropollutants Using a Pillar[5]arene Multilayer Film. <i>ChemNanoMat</i> , 0, , .	2.8	3
782	Photocatalytic Remediation of Industrial Dye Waste Streams Using Biochar and Metal-Biochar Hybrids: A Critical Review. <i>Chemistry Africa</i> , 2023, 6, 609-628.	2.4	16
783	A Strategy for Complete Degradation of Metformin Using Vortex-Based Hydrodynamic Cavitation. <i>Industrial &amp; Engineering Chemistry Research</i> , 0, , .	3.7	1
784	Acute and chronic ecotoxicological effects of pharmaceuticals and their mixtures in <i>Daphnia similis</i> . <i>Chemosphere</i> , 2022, 309, 136671.	8.2	8
785	Recent advances in the TiO <sub>2</sub> based photoreactors for removing contaminants of emerging concern in water. <i>Separation and Purification Technology</i> , 2023, 304, 122294.	7.9	10
786	Single and combined toxic effects of clarithromycin and levofloxacin on <i>Microcystis aeruginosa</i> . <i>Environmental Pollutants and Bioavailability</i> , 2022, 34, 482-495.	3.0	6
787	Simultaneous degradation of amoxicillin, ciprofloxacin and acetaminophen in a mixture by ozonation: Kinetics and mechanisms pathway. <i>Journal of Cleaner Production</i> , 2022, 378, 134509.	9.3	11
788	Efficient removal of norfloxacin using nano zerovalent cerium composite biochar-catalyzed peroxydisulfate. <i>Journal of Cleaner Production</i> , 2022, 377, 134405.	9.3	11
789	ZnO photocatalysts applications in abating the organic pollutant contamination: A mini review. , 2022, 3-4, 100013.		6
790	Sonoelectrochemical oxidation of sulfamethoxazole in simulated and actual wastewater on a piezo-polarizable FTO/BaZr <sub>0.1</sub> Ti <sub>0.9</sub> O <sub>3</sub> electrode: reaction kinetics, mechanism and reaction pathway studies. <i>RSC Advances</i> , 2022, 12, 30892-30905.	3.6	1
791	A comprehensive review on multi-colored emissive carbon dots as fluorescent probes for the detection of pharmaceutical drugs in water. <i>Analytical Methods</i> , 2022, 14, 4263-4291.	2.7	10
792	Controlled growth of ZnO nanoparticles using ethanolic root extract of Japanese knotweed: photocatalytic and antimicrobial properties. <i>RSC Advances</i> , 2022, 12, 31235-31245.	3.6	8
793	Thermally-treated MgO/nanocrystalline cellulose immobilized onto a Santa Barbara-16 mesoporous SiO <sub>2</sub> template for the sequestration of antibiotics from polluted water. <i>New Journal of Chemistry</i> , 2022, 46, 20918-20931.	2.8	4

#	ARTICLE	IF	CITATIONS
794	Contaminants of emerging concerns (CECs) in a municipal wastewater treatment plant in Indonesia. <i>Environmental Science and Pollution Research</i> , 2023, 30, 21512-21532.	5.3	10
796	An Evolving MOF Thin-Film Nanocomposite Tubular Ceramic Membrane for Desalination Pretreatment. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2023, 33, 337-352.	3.7	6
797	Surface Modified Carbon Nanotubes for Organic Pollutantsâ€™ Removal. <i>ACS Symposium Series</i> , 0, , 249-273.	0.5	0
798	Hemato-biochemical indices alteration, oxidative stress, and immune suppression in the African catfish ( <i>Clarias gariepinus</i> ) exposed to metformin. <i>Toxicology and Environmental Health Sciences</i> , 2022, 14, 361-369.	2.1	2
799	Selective and Sensitive Recognition of Specific Types of Toxic Organic Pollutants with a Chemically Stable Highly Luminescent Porous Organic Polymer (POP). <i>ACS Applied Polymer Materials</i> , 2022, 4, 8633-8644.	4.4	10
800	Stress responses of bivalve mollusc <i>Unio tumidus</i> from two areas to ibuprofen, microplastic and their mixture. <i>Ecotoxicology</i> , 2022, 31, 1369-1381.	2.4	13
801	A Peptide-Based Hydrogel for Adsorption of Dyes and Pharmaceuticals in Water Remediation. <i>Gels</i> , 2022, 8, 672.	4.5	9
802	Identification of transformation products during Doxylamine chloramination for NDMA mitigation. <i>Environmental Technology (United Kingdom)</i> , 2024, 45, 1024-1039.	2.2	0
803	Thermal treated sugarcane bagasse for acetylsalicylic acid removal: dynamic and equilibrium studies, cycles of reuse and mechanisms. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-17.	3.3	2
804	Constructed wetlands for the removal of pharmaceuticals and personal care products (PPCPs) from wastewater: origin, impacts, treatment methods, and SWOT analysis. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	2.7	4
805	Bioremoval and Detoxification of the Anticancer Drug Mitoxantrone Using Immobilized Crude Versatile Peroxidase (icVP/Ba) <i>Bjerkandera adusta</i> CCBAS 930. <i>Biology</i> , 2022, 11, 1553.	2.8	0
806	Solâ€™gel synthesis and characterization of heterogeneous Fenton catalysts for enhanced carbamazepine degradation. <i>Journal of Sol-Gel Science and Technology</i> , 2023, 108, 325-338.	2.4	1
807	Predicting Hepatic Clearance of Psychotropic Drugs in Isolated Perfused Fish Livers Using a Combination of Two <i>In Vitro</i> Assays. <i>Environmental Science &amp; Technology</i> , 2022, 56, 15839-15847.	10.0	3
808	Photocatalytic Activity of TiO2 for the Degradation of Anticancer Drugs. <i>Nanomaterials</i> , 2022, 12, 3532.	4.1	4
809	Prevalence of organic micropollutants in the Yamuna River, Delhi, India: seasonal variations and governing factors. <i>Science of the Total Environment</i> , 2023, 858, 159684.	8.0	3
810	Ozonation of ibuprofen in presence of SrWO4/ZnO photo-catalyst. <i>Emerging Contaminants</i> , 2022, 8, 391-399.	4.9	4
811	Chitosan beads coated with almond and walnut shells for the adsorption of gatifloxacin antibiotic compound from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2023, 30, 23553-23567.	5.3	1
812	An in situ approach to entrap ultra-small iron oxide nanoparticles inside hydrophilic electrospun nanofibers with high arsenic adsorption. <i>Chemical Engineering Journal</i> , 2023, 454, 140168.	12.7	5

#	ARTICLE	IF	CITATIONS
813	The dichloroacetamide safener benoxacor is enantioselectively metabolized by monkey liver microsomes and cytosol. <i>Environmental Toxicology and Pharmacology</i> , 2022, 96, 104008.	4.0	2
814	Synthesis and Use of Silica Xerogels Doped with Iron as a Photocatalyst to Pharmaceuticals Degradation in Water. <i>Catalysts</i> , 2022, 12, 1341.	3.5	1
815	Environmental and health impact of unrecovered API from pharmaceutical manufacturing wastes: A review of contemporary treatment, recycling and management strategies. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 30, 100865.	3.3	10
816	Enhanced Fe(III)/PMS system by flower-like MoS <sub>2</sub> nanosheet for rapid degradation of tetracycline. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108860.	6.7	14
817	Mechanism and thermodynamics of adsorption of diclofenac on graphene-based nanomaterials. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108789.	6.7	13
818	Combination of in-situ electro synthesized Zn-Al-LDH@ pencil graphite fiber and three phase hollow fiber LPME for microextraction of some antibiotics in urine samples and quantification via HPLC-UV. <i>Analytica Chimica Acta</i> , 2022, 1235, 340532.	5.4	7
819	Quantification of adsorption mechanisms distribution of sulfamethoxazole onto biochar by competition relationship in a wide pH range. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108755.	6.7	13
820	Antibiotics in a seasonal ice-sealed reservoir: Occurrence, temporal variation, prioritization, and source apportionment. <i>Science of the Total Environment</i> , 2023, 857, 159469.	8.0	6
821	Hydrothermal recycling of carbon absorbents loaded with emerging wastewater contaminants. <i>Environmental Pollution</i> , 2023, 316, 120532.	7.5	6
822	Environmental degradation of human metabolites of cyclophosphamide leads to toxic and non-biodegradable transformation products. <i>Science of the Total Environment</i> , 2023, 857, 159454.	8.0	2
823	A MOF-on-MOF strategy to construct double Z-scheme heterojunction for high-performance photocatalytic degradation. <i>Applied Catalysis B: Environmental</i> , 2023, 321, 122082.	20.2	100
824	Rotary-angle 3D printing multilayer membrane dead-end filtration for rapid and highly efficient water treatment. <i>Chemical Engineering Journal</i> , 2023, 453, 139969.	12.7	9
825	Biopolymer – A sustainable and efficacious material system for effluent removal. <i>Journal of Hazardous Materials</i> , 2023, 443, 130168.	12.4	41
826	Pharmaceuticals effects in the environment. , 2024, , 455-465.		0
827	Black carbon and humic acid alleviate the toxicity of antibiotics to a cyanobacterium <i>Synechocystis</i> sp.. <i>Environmental Pollution</i> , 2023, 316, 120646.	7.5	3
828	Visible-light-responsive Z-scheme $\text{Fe}_2\text{O}_3/\text{SWCNT}/\text{NH}_2\text{-MIL-125}$ heterojunction for boosted photodegradation of ofloxacin. <i>Separation and Purification Technology</i> , 2023, 305, 122442.	7.9	12
829	Structural and antimicrobial property changes of veterinary antibiotics in thermal treatment. <i>Environmental Pollution</i> , 2023, 316, 120519.	7.5	0
830	Removal of tetracycline from wastewater using g-C <sub>3</sub> N <sub>4</sub> based photocatalysts: A review. <i>Environmental Research</i> , 2023, 216, 114660.	7.5	62

#	ARTICLE	IF	CITATIONS
831	Eco-friendly cubic-ZnS coupled Cu <sub>7</sub> S <sub>4</sub> spines on chitosan matrix: Unravelling defect-engineered nanoplatform for the photodegradation of p-chlorophenol. <i>Journal of Environmental Management</i> , 2023, 326, 116615.	7.8	4
832	Ex-situ magnetic activated carbon for the adsorption of three pharmaceuticals with distinct physicochemical properties from real wastewater. <i>Journal of Hazardous Materials</i> , 2023, 443, 130258.	12.4	14
833	A review on microalgae-mediated biotechnology for removing pharmaceutical contaminants in aqueous environments: Occurrence, fate, and removal mechanism. <i>Journal of Hazardous Materials</i> , 2023, 443, 130213.	12.4	37
834	Current research trends on emerging contaminants pharmaceutical and personal care products (PPCPs): A comprehensive review. <i>Science of the Total Environment</i> , 2023, 859, 160031.	8.0	81
835	Removal of contaminants of emerging concern by solar photo electro-Fenton process in a solar electrochemical raceway pond reactor. <i>Chemical Engineering Research and Design</i> , 2023, 169, 660-670.	5.6	10
836	Room-temperature synthesis of ionic covalent organic frameworks for efficient removal of diclofenac sodium from aqueous solution. <i>Separation and Purification Technology</i> , 2023, 306, 122704.	7.9	17
837	Effects of adrenergic $\alpha$ -antagonists on the early life stages of Japanese medaka ( <i>Oryzias latipes</i> ). <i>Ecotoxicology</i> , 0, , .	2.4	0
838	Evaluating the Performance of Ball-Milled Silk Fibroin Films for Simultaneous Adsorption of Eight Pharmaceuticals from Water. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 14922.	2.6	1
839	Environmentally Friendly Fabrication of High-Efficient Fe-ZnO/Citric Acid-Modified Cellulose Composite and the Enhancement of Photocatalytic Activity in the Presence of H <sub>2</sub> O <sub>2</sub> . <i>Catalysts</i> , 2022, 12, 1370.	3.5	5
840	Boosting the Performance of Nanofiltration Membranes in Removing Organic Micropollutants: Trade-Off Effect, Strategy Evaluation, and Prospective Development. <i>Environmental Science &amp; Technology</i> , 2022, 56, 15220-15237.	10.0	25
841	Dynamically driven perovskite La-Fe-modified SrTiO <sub>3</sub> nanocubes and their improved photoresponsive activity under visible light: influence of alkaline environment. <i>Environmental Science and Pollution Research</i> , 2023, 30, 90298-90317.	5.3	3
842	Endocrine Disrupting Compounds (Nonylphenol and Bisphenol A) – Sources, Harmfulness and Laccase-Assisted Degradation in the Aquatic Environment. <i>Microorganisms</i> , 2022, 10, 2236.	3.6	7
843	Eco-friendly ZIF-67/rice straw-derived cellulose acetate electrospun nanofiber mats for efficient CO <sub>2</sub> capturing and selectivity removal of methyl orange dye. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108989.	6.7	4
844	Microalgae, a current option for the bioremediation of pharmaceuticals: a review. <i>Folia Microbiologica</i> , 2023, 68, 167-179.	2.3	3
845	Elimination of mixed ibuprofen and paracetamol from spiked domestic wastewater via a pilot continuous aerated sub-surface constructed wetland system. <i>Journal of Water Process Engineering</i> , 2022, 50, 103308.	5.6	6
846	Pharmaceutical contaminants: Ecotoxicological aspects and recent advances in oxidation technologies for their removal in aqueous matrices. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108932.	6.7	0
847	Different reaction mechanisms of SO <sub>4</sub> <sup>•-</sup> and •OH with organic compound interpreted at molecular orbital level in Co(II)/peroxymonosulfate catalytic activation system. <i>Water Research</i> , 2023, 229, 119392.	11.3	77
848	Influence of Organic Matter on the Sorption of Cefdinir, Memantine and Praziquantel on Different Soil and Sediment Samples. <i>Molecules</i> , 2022, 27, 8008.	3.8	2

#	ARTICLE	IF	CITATIONS
849	Surface Water Processes Influencing Alterations in Pharmaceutical Chemical Composition following Wastewater Discharge into a Freshwater Estuary. <i>Toxics</i> , 2022, 10, 702.	3.7	3
850	Contamination of aquatic environment with anticancer reagents influences <i>Daphnia magna</i> – Ecotoxicogenomics approach. <i>Ecotoxicology and Environmental Safety</i> , 2023, 249, 114372.	6.0	5
851	Titanium-based MAX-phase with sonocatalytic activity for degradation of oxytetracycline antibiotic. <i>Ultrasonics Sonochemistry</i> , 2023, 92, 106255.	8.2	12
852	Removal of drug dexamethasone from aqueous matrices using low frequency ultrasound: Kinetics, transformation products, and effect of microplastics. <i>Journal of Environmental Management</i> , 2023, 328, 117007.	7.8	7
853	Radiation-induced degradation of doxazosin: Role of reactive species, toxicity, mineralization and degradation pathways. <i>Journal of Water Process Engineering</i> , 2023, 51, 103401.	5.6	4
854	Study of influence of metal ions in the diagnosis of recombinant hepatitis B surface antigen (HBsAg) using ELISA technique. <i>Journal of King Saud University - Science</i> , 2023, 35, 102500.	3.5	0
855	Adsorption behaviour of graphene, boron nitride and boron carbon nitride nanosheets towards pharmaceutical and personal care products. <i>Computational and Theoretical Chemistry</i> , 2023, 1220, 113995.	2.5	5
856	In silico prediction of persistent, mobile, and toxic pharmaceuticals (PMT): A case study in São Paulo Metropolitan Region, Brazil. <i>Computational Toxicology</i> , 2023, 25, 100254.	3.3	7
857	Synchronous COD removal and nitrogen recovery from high concentrated pharmaceutical wastewater by an integrated chemo-biocatalytic reactor systems. <i>Journal of Environmental Management</i> , 2023, 329, 117048.	7.8	1
858	A comparative study of adsorption behavior of rifampicin, streptomycin, and ibuprofen contaminants from aqueous solutions onto chitosan: Dynamic interactions, kinetics, diffusions, and mechanisms. <i>Emerging Contaminants</i> , 2023, 9, 100199.	4.9	18
859	New insight into fate and transport of organic compounds from pollution sources to aquatic environment using non-targeted screening: A wastewater treatment plant case study. <i>Science of the Total Environment</i> , 2023, 863, 161031.	8.0	5
860	One-step solvothermal construction of coral reef-like FeS <sub>2</sub> /biochar to activate peroxymonosulfate for efficient organic pollutant removal. <i>Separation and Purification Technology</i> , 2023, 308, 122976.	7.9	15
861	Advance of Sulfidated Nanoscale Zero-Valent Iron: Synthesis, Properties and Environmental Application. <i>Acta Chimica Sinica</i> , 2022, 80, 1536.	1.4	1
862	Recent advances and future outlook for treatment of pharmaceutical from water: an overview. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 3437-3454.	3.5	6
863	Photocatalytic Treatment of Emerging Contaminants with Ag-Modified Titania – Is There a Risk Arising from the Degradation Products?. <i>Processes</i> , 2022, 10, 2523.	2.8	2
864	A Methylophilic Bacterium Growing with the Antidiabetic Drug Metformin as Its Sole Carbon, Nitrogen and Energy Source. <i>Microorganisms</i> , 2022, 10, 2302.	3.6	7
865	A global overview of endocrine disrupting chemicals in the environment: occurrence, effects, and treatment methods. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 12875-12902.	3.5	5
866	Waste organic acid treatment with polyethyleneimine grafted polystyrene resin. <i>Journal of Applied Polymer Science</i> , 2023, 140, .	2.6	1



#	ARTICLE	IF	CITATIONS
867	Toxicity Removal of Pharmaceuticals Mixtures through Electron Beam Irradiation. Brazilian Journal of Radiation Sciences, 2022, 10, .	0.0	0
868	A Review on Superadsorbents with Adsorption Capacity $\approx 1000 \text{ mg g}^{-1}$ and Perspectives on Their Upscaling for Water/Wastewater Treatment. Sustainability, 2022, 14, 16927.	3.2	0
869	Spatio-seasonal patterns of the impact of wastewater treatment plant effluents on antibiotic resistance in river sediments. Environmental Pollution, 2023, 319, 120883.	7.5	8
870	Heterogeneous Catalytic Ozonation: Solution pH and Initial Concentration of Pollutants as Two Important Factors for the Removal of Micropollutants from Water. Separations, 2022, 9, 413.	2.4	6
871	Solvation Thermodynamics of Four Amino Acids in Electrolytic Solutions of Sodium and Potassium Iodide salts at 298.15 K. Canadian Journal of Chemistry, 0, , .	1.1	0
872	Functionalization of graphene nanostructures with inorganic nanoparticles and their use for the removal of pharmaceutical pollutants in water. Frontiers in Chemical Engineering, 0, 4, .	2.7	0
873	Advances in polymer-based detection of environmental ibuprofen in wastewater. Environmental Science and Pollution Research, 2023, 30, 14062-14090.	5.3	1
874	Effect of photonic crystal film as support on enhancement of graphite-carbon nitride quantum dots sensitized Bi <sub>2</sub> MoO <sub>6</sub> photocatalytic activity. Journal of Sol-Gel Science and Technology, 2023, 106, 455-470.	2.4	1
875	Stereospecific Self-Assembly Processes of Porphyrin-Proline Conjugates: From the Effect of Structural Features and Bulk Solvent Properties to the Application in Stereoselective Sensor Systems. International Journal of Molecular Sciences, 2022, 23, 15587.	4.1	2
876	Removal of Environmentally Harmful and Hardly Degradable Pharmaceuticals Sulfamethoxazole, Diclofenac, and Cetirizine by Adsorption on Activated Charcoal. Water (Switzerland), 2022, 14, 3988.	2.7	4
877	Sustainable and Reagentless Fenton Treatment of Complex Wastewater. Environmental Science & Technology, 2023, 57, 626-634.	10.0	9
878	Degradation of diclofenac and 4-chlorobenzoic acid in aqueous solution by cold atmospheric plasma source. Science of the Total Environment, 2023, 864, 161194.	8.0	9
879	Low-cost agricultural wastes (orange peels) for the synthesis and characterization of activated carbon biosorbents in the removal of pharmaceuticals in multi-component mixtures from aqueous matrices. Journal of Molecular Liquids, 2022, 368, 120795.	4.9	13
880	Blue technology for a sustainable pharmaceutical industry: Microalgae for bioremediation and pharmaceutical production. Algal Research, 2023, 69, 102931.	4.6	5
881	Determination of aspirin in municipal wastewaters of Nur-Sultan City, Kazakhstan. IOP Conference Series: Earth and Environmental Science, 2022, 1123, 012067.	0.3	1
882	The burden of emerging contaminants upon an Atlantic Ocean marine protected reserve adjacent to Camps Bay, Cape Town, South Africa. Heliyon, 2022, 8, e12625.	3.2	2
883	Mitigation of Non-Steroidal Anti-Inflammatory and Antiretroviral Drugs as Environmental Pollutants by Adsorption Using Nanomaterials as Viable Solution—A Critical Review. Applied Sciences (Switzerland), 2023, 13, 772.	2.5	10
884	Current status of the direct detection of microplastics in environments and implications for toxicological effects. Chemical Engineering Journal Advances, 2023, 14, 100449.	5.2	11

#	ARTICLE	IF	CITATIONS
885	Degradation of Model Compounds by $\text{O}^{2-}$ -Generating Photosensitizer-“Doped Membranes. ACS ES&T Water, 2023, 3, 420-428.	4.6	0
886	Cu(II)-catalyzed regioselective ring-opening of N-tosylazetidines with phenols. Tetrahedron, 2023, 132, 133263.	1.9	1
887	Fabrication of biodegradable fibrous systems employing electrospinning technology for effluent treatment. Environmental Science Advances, 2023, 2, 368-396.	2.7	14
888	An environmentally relevant concentration of antibiotics impairs the immune system of zebrafish (Danio rerio) and increases susceptibility to virus infection. Frontiers in Immunology, 0, 13, .	4.8	3
889	Poultry manure gleaned antibiotic residues in soil environment: A perspective of spatial variability and influencing factors. Chemosphere, 2023, 317, 137907.	8.2	8
890	Aerobic Degradation of the Antidiabetic Drug Metformin by <i>Aminobacter</i> sp. Strain NyZ550. Environmental Science & Technology, 2023, 57, 1510-1519.	10.0	11
891	Formation of polychlorinated dibenzo-p-dioxins and furans (PCDD/Fs) in the electrochemical oxidation of polluted waters with pharmaceuticals used against COVID-19. Journal of Environmental Chemical Engineering, 2023, 11, 109305.	6.7	4
892	Adsorptive removal of levofloxacin and antibiotic resistance genes from hospital wastewater by nano-zero-valent iron and nano-copper using kinetic studies and response surface methodology. Bioresources and Bioprocessing, 2023, 10, .	4.2	9
893	Discovery of coumaric acid derivatives hinted by coastal marine source to seek for uric acid lowering agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2023, 38, .	5.2	0
894	PEG promoted anti-fouling adsorptive membranes with excellent adsorption performance for removal of pharmaceuticals from water. Journal of Environmental Chemical Engineering, 2023, 11, 109263.	6.7	0
895	Dark transformation from $17\beta$ -estradiol to estrone initiated by hydroxyl radical in dissolved organic matter. Water Research, 2023, 230, 119570.	11.3	1
896	On the importance of reactions in the proximity of the gas-water interface: Application to direct ozone reactions of antibiotics in water. Chemical Engineering Journal, 2023, 458, 141408.	12.7	2
897	Metabolomic response of microalgae towards diclofenac sodium during its removal from water and concomitant recovery of pigments and lipids. Bioresource Technology, 2023, 371, 128617.	9.6	10
898	Nitrogen-doped biochar (N-doped BC) and iron/nitrogen co-doped biochar (Fe/N co-doped BC) for removal of refractory organic pollutants. Journal of Hazardous Materials, 2023, 446, 130727.	12.4	25
899	Sandwich-like heterostructured nanomaterials immobilized laccase for the degradation of phenolic pollutants and boosted enzyme stability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 660, 130820.	4.7	5
900	MONITORING OF MEDICINAL SUBSTANCES IN WASTE AND SURFACE WATER OF THE CITY OF NUR SULTAN AND ITS SURROUNDINGS (REPUBLIC OF KAZAKHSTAN). Vestnik NĀC RK, 2022, , 30-34.	0.1	0
901	Effect of Pharmaceutical Sludge Pre-Treatment with Fenton/Fenton-like Reagents on Toxicity and Anaerobic Digestion Efficiency. International Journal of Environmental Research and Public Health, 2023, 20, 271.	2.6	7
902	Stability and Antibiotic Potency Improvement of Levofloxacin by Producing New Salts with 2,6- and 3,5-Dihydroxybenzoic Acid and Their Comprehensive Structural Study. Pharmaceutics, 2023, 15, 124.	4.5	2

#	ARTICLE	IF	CITATIONS
903	Oxidation towards enrofloxacin degradation over nanoscale zero-valent copper: mechanism and products. Environmental Science and Pollution Research, 2023, 30, 38700-38712.	5.3	4
904	Enhanced Piezocatalytic Reactive Oxygen Species Production Activity and Recyclability of the Dual Piezoelectric Cu <sub>3</sub> B <sub>2</sub> O <sub>6</sub> /PVDF Composite Membrane. ACS Applied Materials & Interfaces, 2023, 15, 1286-1295.	8.0	9
905	Development of a GIS-based knowledge hub for contaminants of emerging concern in South African water resources using open-source software: Lessons learnt. Heliyon, 2023, 9, e13007.	3.2	4
907	Biosurfactants and Their Perspectives for Application in Drug Adsorption. , 2023, , 237-255.		0
908	Selective enrichment, identification, and isolation of diclofenac, ibuprofen, and carbamazepine degrading bacteria from a groundwater biofilm. Environmental Science and Pollution Research, 2023, 30, 44518-44535.	5.3	6
909	The role of antioxidant enzymes in diatoms and their therapeutic role. , 2023, , 89-118.		0
910	Consequences of pharmaceutically active compounds and their removal strategies. , 2023, , 269-300.		0
911	Ozone- and Hydroxyl Radical-Mediated Oxidation of Pharmaceutical Compounds Using Ni-Doped Sb-SnO <sub>2</sub> Anodes: Degradation Kinetics and Transformation Products. ACS ES&T Engineering, 2023, 3, 335-348.	7.6	9
912	Analytical Determination of Cephalosporin Antibiotics Using Coordination Polymer Based on Cobalt Terephthalate as a Sorbent. Polymers, 2023, 15, 548.	4.5	2
913	Linking pharmaceutical residues to dissolved organic matter and aquatic bacterial communities in a highly urbanized bay. Science of the Total Environment, 2023, 871, 162027.	8.0	7
914	The Application of Different Technologies for Removal of Rifampicin From Aquatic Environments: A Recent Review. D��MF M��hendislik Dergisi, 0, , .	0.2	0
915	Nanotechnologies in Aquatic Disease Diagnosis and Drug Delivery. Nanotechnology in the Life Sciences, 2023, , 1-21.	0.6	1
916	Carbon-Based Hybrid Materials for Remediation Technology. Emerging Contaminants and Associated Treatment Technologies, 2023, , 333-349.	0.7	0
917	Adsorption of Carbamazepine in All��Silica Zeolites Studied with Density Functional Theory Calculations**. ChemPhysChem, 2023, 24, .	2.1	3
918	Occurrences, Seasonal Variations, and Potential Risks of Pharmaceutical and Personal Care Products in Lianjiang River, South of China. Water (Switzerland), 2023, 15, 1136.	2.7	0
919	Adsorption of naproxen pharmaceutical micropollutant from aqueous solutions on superior activated carbon synthesized from sheep manure: Kinetics, thermodynamics, and mechanism. Journal of Molecular Liquids, 2023, 381, 121839.	4.9	1
920	Occurrence and spatial distribution of pharmaceuticals and personal care products (PPCPs) in the aquatic environment, their characteristics, and adopted legislations. Journal of Water Process Engineering, 2023, 52, 103490.	5.6	36
921	Study on the photocatalytic degradation of metronidazole antibiotic in aqueous media with TiO <sub>2</sub> under lab and pilot scale. Science of the Total Environment, 2023, 870, 161877.	8.0	10

#	ARTICLE	IF	CITATIONS
922	Biodegradation of emerging organic pollutant gemfibrozil: Mechanism, kinetics and pathway modelling. <i>Bioresource Technology</i> , 2023, 374, 128749.	9.6	6
923	Effects of the antidepressant fluoxetine on the swimming behaviour of the amphipod <i>Gammarus pulex</i> : Comparison of short-term and long-term toxicity in the laboratory and the semi-field. <i>Science of the Total Environment</i> , 2023, 872, 162173.	8.0	4
924	Mechanism of the application of single-atom catalyst-activated PMS/PDS to the degradation of organic pollutants in water environment: A review. <i>Journal of Cleaner Production</i> , 2023, 397, 136468.	9.3	28
925	A comprehensive review on the potential of microbial enzymes in multipollutant bioremediation: Mechanisms, challenges, and future prospects. <i>Journal of Environmental Management</i> , 2023, 334, 117532.	7.8	44
926	Generation mechanism of singlet oxygen from the interaction of peroxymonosulfate and chloride in aqueous systems. <i>Water Research</i> , 2023, 235, 119904.	11.3	34
927	Zeolite 4A activates peroxymonosulfate toward the production of singlet oxygen for the selective degradation of organic pollutants. <i>Chemical Engineering Research and Design</i> , 2023, 193, 121-131.	5.6	6
928	Extraction of diclofenac sodium from water using N-benzylethanolamine based ionic liquids: Computational and experimental approach. <i>Journal of Molecular Liquids</i> , 2023, 378, 121603.	4.9	6
929	Efficacy Evaluation of Silty-Sandy Soil and <i>Chrysopogon zizanioides</i> to Attenuate Doxycycline from Wastewater in a Constructed Wetland System. <i>Journal of Environmental Engineering, ASCE</i> , 2023, 149, .	1.4	0
930	The role of anthocyanin and kaolinite in modifying cabbage leaves biochar for removal of potentially toxic elements and pharmaceutical from aqueous solution. <i>Environmental Pollution</i> , 2023, 325, 121435.	7.5	3
931	Polyelectrolyte-assisted interfacial polymerization for polyamide nanofiltration membrane with enhanced separation and anti-biofouling properties in groundwater treatment. <i>Desalination</i> , 2023, 555, 116546.	8.2	7
932	Simultaneous removal of pharmaceuticals and heavy metals from aqueous phase via adsorptive strategy: A critical review. <i>Water Research</i> , 2023, 236, 119924.	11.3	27
933	A critical assessment of SARS-CoV-2 in aqueous environment: Existence, detection, survival, wastewater-based surveillance, inactivation methods, and effective management of COVID-19. <i>Chemosphere</i> , 2023, 327, 138503.	8.2	6
934	Engineered tenorite structure of barium-enriched copper oxide for on-site monitoring of cytotoxic methotrexate in environmental samples. <i>Journal of Hazardous Materials</i> , 2023, 451, 131158.	12.4	3
935	Template-free formation of BiOCl double-shelled hollow microspheres with enhanced carbamazepine removal efficiency. <i>Materials Today Communications</i> , 2023, 35, 105766.	1.9	1
936	The efficiency of full-scale subsurface constructed wetlands with high hydraulic loading rates in removing pharmaceutical and personal care products from secondary effluent. <i>Journal of Hazardous Materials</i> , 2023, 451, 131095.	12.4	4
937	The influence of temperature rise on the metabolic response of <i>Ruditapes philippinarum</i> clams to 17- $\beta$ -ethinylestradiol. <i>Science of the Total Environment</i> , 2023, 877, 162898.	8.0	1
938	Metal oxide functionalized ceramic membranes for the removal of pharmaceuticals in wastewater. <i>Surfaces and Interfaces</i> , 2023, 38, 102787.	3.0	16
939	Designing of ZnO nanoparticles oriented interface imprinted electrochemical sensor for fluoxetine detection. <i>Bioelectrochemistry</i> , 2023, 152, 108411.	4.6	3

#	ARTICLE	IF	CITATIONS
940	Emerging challenges of the impacts of pharmaceuticals on aquatic ecosystems: A diatom perspective. Science of the Total Environment, 2023, 878, 162939.	8.0	17
941	Occurrence, bioconcentration, and human health risks of pharmaceuticals in biota in the Sea of Marmara, T��rkiye. Chemosphere, 2023, 325, 138296.	8.2	3
942	Enhanced degradation of pharmaceuticals in wastewater by coupled radical and non-radical pathways: Further unravelling kinetics and mechanism. Journal of Hazardous Materials, 2023, 453, 131362.	12.4	4
943	Photocatalytic Degradation of Drugs. , 2022, , 1-29.		0
944	The Potential of Spent Coffee Grounds @ MOFs Composite Catalyst in Efficient Activation of PMS to Remove the Tetracycline Hydrochloride from an Aqueous Solution. Toxics, 2023, 11, 88.	3.7	1
945	Facile synthesis of acid catalyzed sulfonic acid-amide functionalized magnetic sodium alginate and its efficient adsorption for ciprofloxacin and moxifloxacin. Journal of Cleaner Production, 2023, 391, 136122.	9.3	18
946	Occurrences of UV filters, endocrine disruptive chemicals, alkyl phenolic compounds, fragrances, and hormones in the wastewater and coastal waters of the Antarctica. Environmental Research, 2023, 222, 115327.	7.5	8
947	An antibiotic-destructase-activated Fenton-like catalyst for synergistic removal of tetracycline residues from aquatic environment. Chemical Engineering Journal, 2023, 459, 141576.	12.7	7
948	Comparative Study on Photocatalytic Performance of TiO2 Doped with Different Amino Acids in Degradation of Antibiotics. Water (Switzerland), 2023, 15, 535.	2.7	3
949	Degradation of sulpiride in water by the UV/chlorine process: kinetics, reaction mechanism, and transformation pathways. Environmental Science: Water Research and Technology, 2023, 9, 1090-1098.	2.4	0
950	Coronavirus Label-Free Immunosensor: Preliminary Results. Lecture Notes in Electrical Engineering, 2023, , 16-21.	0.4	0
951	Immobilization, oxidative stress and antioxidant response of Daphnia magna to Amoxicillin and Ciprofloxacin. Environmental Toxicology and Pharmacology, 2023, 98, 104078.	4.0	4
952	Evaluation of Dithiocarbamate-Modified Silica for Cisplatin Removal from Water. Processes, 2023, 11, 472.	2.8	1
953	Degradation of organic/inorganic pollutants through photofenton membrane bioreactor (PFMBR) and lumped kinetic modeling in pharmaceutical effluent. Chemical Engineering and Processing: Process Intensification, 2023, 185, 109305.	3.6	2
954	Nanostructure Modified Electrodes for Electrochemical Detection of Contaminants of Emerging Concern. Coatings, 2023, 13, 381.	2.6	5
955	Recent advances in new generation nanocomposite materials for adsorption of pharmaceuticals from aqueous environment. Environmental Science and Pollution Research, 2023, 30, 39377-39417.	5.3	21
956	Dual functional materials capable of integrating adsorption and Fenton-based oxidation processes for highly efficient removal of pharmaceutical contaminants. Journal of Water Process Engineering, 2023, 52, 103566.	5.6	12
957	Unraveling the role of iodide in periodate-based water decontamination: Accelerated selective oxidation and formation of iodinated products. Chemical Engineering Journal, 2023, 461, 141879.	12.7	3

#	ARTICLE	IF	CITATIONS
959	An Insight Into the Consequences of Emerging Contaminants in Soil and Water and Plant Responses. Emerging Contaminants and Associated Treatment Technologies, 2023, , 1-27.	0.7	1
960	QNZ exposure induces development toxicity and mechanisms of hatching inhibition in large-scale loach ( <i>Paramisgurnus dabryanus</i> ) embryos. Ecotoxicology and Environmental Safety, 2023, 253, 114663.	6.0	2
961	Removal of the emergent pollutants (hormones and antibiotics) from wastewater using different kinds of biosorbentâ€”a review. Emergent Materials, 2023, 6, 373-404.	5.7	4
962	Photocatalytic Degradation of Paracetamol under Simulated Sunlight by Four TiO <sub>2</sub> Commercial Powders: An Insight into the Performance of Two Sub-Micrometric Anatase and Rutile Powders and a Nanometric Brookite Powder. Catalysts, 2023, 13, 434.	3.5	8
963	Elucidating the Effects of the Lipids Regulators Fibrates and Statins on the Health Status of Finfish Species: A Review. Animals, 2023, 13, 792.	2.3	2
964	Advances in Ultra-High-Resolution Mass Spectrometry for Pharmaceutical Analysis. Molecules, 2023, 28, 2061.	3.8	10
965	Degradation of Antibiotic Vancomycin by UV Photolysis and Pulsed Corona Discharge Combined with Extrinsic Oxidants. Catalysts, 2023, 13, 466.	3.5	0
966	Photocatalytic degradation of pharmaceuticals from water using nitrogen-doped titanium dioxide coated on fiberglass cloth. Journal of Cleaner Production, 2023, 397, 136487.	9.3	8
967	Use of multi-criteria ranking method for environmental risk assessment of antineoplastic agents and their transformation products. Journal of Environmental Chemical Engineering, 2023, 11, 109588.	6.7	1
968	Natural polymer-based sustainable adsorbents for pharmaceutical wastewater treatment. , 2023, , 347-365.		0
969	Nanocomposites for the removal of pharmaceuticals in drinking water sources. , 2023, , 469-494.		0
970	Innovative and eco-friendly technologies for the upgradation of pharmaceutical wastewater treatment processes. , 2023, , 367-398.		3
971	Application of hybrid advanced oxidation and adsorption processes for pharmaceutical wastewater treatment. , 2023, , 247-275.		1
972	Treatment innovation using solar/UV. , 2023, , 179-216.		0
973	Degradation of methyl orange by dielectric films based on contact-electro-catalysis. Nanoscale, 2023, 15, 6243-6251.	5.6	5
974	Pharmaceutically Active Compounds in Water Bodiesâ€”Occurrence, Fate, and Toxicity. Green Energy and Technology, 2023, , 1-24.	0.6	0
975	Content of Lipids, Fatty Acids, Carbohydrates, and Proteins in Continental Cyanobacteria: A Systematic Analysis and Database Application. Applied Sciences (Switzerland), 2023, 13, 3162.	2.5	1
976	Enhanced degradation of ibuprofen using a combined treatment of plasma and Fenton reactions. Journal of Colloid and Interface Science, 2023, 642, 829-836.	9.4	8



#	ARTICLE	IF	CITATIONS
977	Activation of peroxymonosulfate for degradation of norfloxacin by Mn-doped zeolitic imidazolate framework-67 nanocrystals. <i>New Journal of Chemistry</i> , 0, , .	2.8	0
978	Environmentally Benign Nanoparticles for the Photocatalytic Degradation of Pharmaceutical Drugs. <i>Catalysts</i> , 2023, 13, 511.	3.5	4
979	Role of fungi in bioremediation of emerging pollutants. <i>Frontiers in Marine Science</i> , 0, 10, .	2.5	31
980	Porous Graphene-Based Materials for Enhanced Adsorption Towards Emerging Micropollutants (EMs). <i>Materials Horizons</i> , 2023, , 547-570.	0.6	1
981	Development of Analytical Technique for Extraction of Commonly used Antibiotics in River Yamuna Based on liquid-liquid extraction. <i>Oriental Journal of Chemistry</i> , 2023, 39, 114-125.	0.3	0
982	Structural Features Promoting Photocatalytic Degradation of Contaminants of Emerging Concern: Insights into Degradation Mechanism Employing QSA/PR Modeling. <i>Molecules</i> , 2023, 28, 2443.	3.8	0
983	MIL-101(Cr) metal-organic frameworks based on deep eutectic solvent (ChCl: Urea) for solid phase extraction of imidacloprid in tea infusions and water samples. <i>Journal of Molecular Liquids</i> , 2023, 378, 121589.	4.9	30
984	Bioconcentrations, depuration, shift in metabolome and a behavioural response in the nymphs of the dragonfly <i>Aeshna cyanea</i> (Müller, 1764) to environmentally relevant concentrations of methamphetamine. <i>Aquatic Toxicology</i> , 2023, 259, 106479.	4.0	0
985	Applications of biochar in sulfate radical-based advanced oxidation processes for the removal of pharmaceuticals and personal care products. <i>Water Science and Technology</i> , 2023, 87, 1329-1348.	2.5	8
986	Fitorremediación de cinco productos farmacéuticos registrados como contaminantes emergentes en medio acuoso empleando la especie Jacinto de Agua ( <i>Eichhornia crassipes</i> ). <i>Revista Bionatura</i> , 2023, 8, 1-7.	0.4	0
987	A Review of Pectin-Based Material for Applications in Water Treatment. <i>Materials</i> , 2023, 16, 2207.	2.9	6
988	Recent Advancement in Nanotechnology for the Treatment of Pharmaceutical Wastewater: Sources, Toxicity, and Remediation Technology. <i>Current Pollution Reports</i> , 2023, 9, 110-142.	6.6	12
989	Solar-light-driven photocatalytic degradation of pharmaceutical pollutants utilizing 2D g-C <sub>3</sub> N <sub>4</sub> /BiOCl composite. <i>Environmental Toxicology and Pharmacology</i> , 2023, 99, 104110.	4.0	11
990	Pharmaceutically Active Compounds™ (PhACs) Threat: An Environmental Prospective. , 2023, , 51-66.		3
991	Solubility and thermodynamical phenomena for l-serine and l-isoleucine in chloride Salts of Na <sup>+</sup> and K <sup>+</sup> electrolytic media. <i>Journal of Molecular Liquids</i> , 2023, 378, 121619.	4.9	7
992	Metalloporphyrin modified defective TiO <sub>2</sub> porous cages with the enhanced photocatalytic activity for coupling of hydrogen generation and tetracycline removal. <i>RSC Advances</i> , 2023, 13, 8822-8829.	3.6	1
993	A study to assess the health effects of an anticancer drug (cyclophosphamide) in zebrafish ( <i>Danio rerio</i> ). <i>Environmental Toxicology and Chemistry</i> , 2023, 25, 870-884.	3.5	2
994	Pharmaceuticals in the marine environment: occurrence, fate, and biological effects. , 2023, , 11-71.		0

#	ARTICLE	IF	CITATIONS
995	Ecological effects of emerging contaminants: Ecotoxicity and relative environmental risk. , 2023, , 375-404.		0
996	Cocktails of NSAIDs and 17 $\beta$ Ethinylestradiol at Environmentally Relevant Doses in Drinking Water Alter Puberty Onset in Mice Intergenerationally. International Journal of Molecular Sciences, 2023, 24, 5890.	4.1	1
997	Wavelength-Dependent UV-LED Photolysis of Fluorinated Pesticides and Pharmaceuticals. Environmental Science & Technology, 2023, 57, 5327-5336.	10.0	6
998	Activation of peroxymonosulfate by Co <sub>2</sub> SnO <sub>4</sub> /Co <sub>3</sub> O <sub>4</sub> /SnO <sub>2</sub> material for the effective degradation of diclofenac. Reaction Kinetics, Mechanisms and Catalysis, 2023, 136, 1033-1048.	1.7	3
999	Role of bio-electrochemical technology for enzyme activity stimulation in high-consumption pharmaceuticals biodegradation. 3 Biotech, 2023, 13, .	2.2	0
1000	Effects of atorvastatin on the Sirtuin/PXR signaling pathway in Mugilogobius chulae. Environmental Science and Pollution Research, 2023, 30, 60009-60022.	5.3	1
1001	Emerging Pollutants from the Industries and Their Treatment. , 2023, , 1-11.		1
1002	Silver oxide-zeolite for removal of an emerging contaminant by simultaneous adsorption-photocatalytic degradation under simulated sunlight irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2023, 442, 114763.	3.9	9
1003	Assessment of Existing Fate and Transport Models for Predicting Antibiotic Degradation and Transport in the Aquatic Environment: A Review. Water (Switzerland), 2023, 15, 1511.	2.7	2
1004	Mo-BiVO <sub>4</sub> /Ca-BiVO <sub>4</sub> Homojunction Nanostructure-Based Inverse Opals for Photoelectrocatalytic Pharmaceutical Degradation under Visible Light. ACS Applied Nano Materials, 2023, 6, 6759-6771.	5.0	4
1005	Uptake of 2,4-dichlorophenoxyacetic acid and tetracycline in single and binary systems onto a biomass-MOF composite: adsorption and mechanism study. Biomass Conversion and Biorefinery, 0, , .	4.6	4
1006	Peracetic acid-based UVA photo-Fenton reaction: Dominant role of high-valent iron species toward efficient selective degradation of emerging micropollutants. Journal of Hazardous Materials, 2023, 454, 131448.	12.4	8
1007	Advancements in nanomaterial-based aptasensors for the detection of emerging organic pollutants in environmental and biological samples. Biotechnology Advances, 2023, 66, 108156.	11.7	10
1008	Effect of Different Levels of Chlorogenic Acid on Growth Performance, Immunological Responses, Antioxidant Defense, and Disease Resistance of Rainbow Trout (Oncorhynchus mykiss) Juveniles. Aquaculture Nutrition, 2023, 2023, 1-13.	2.7	0
1009	Adsorption of tetracycline using chitosan-“alginate”-bentonite composites. Applied Clay Science, 2023, 239, 106952.	5.2	15
1010	Evaluating the spatial and temporal distribution of emerging contaminants in the Pearl River Basin for regulating purposes. Ecotoxicology and Environmental Safety, 2023, 257, 114918.	6.0	1
1011	Advanced Oxidation Processes for Degradation of Water Pollutants-“Ambivalent Impact of Carbonate Species: A Review. Water (Switzerland), 2023, 15, 1615.	2.7	26
1012	Evaluation of alkaline and acidic modification of NaY zeolite for enhancing adsorptive removal of diclofenac sodium from aqueous solution. Surfaces and Interfaces, 2023, 39, 102917.	3.0	0

#	ARTICLE	IF	CITATIONS
1013	Insight into pharmaceutical and personal care products removal using constructed wetlands: A comprehensive review. <i>Science of the Total Environment</i> , 2023, 885, 163721.	8.0	10
1014	Enhanced charge separation and O <sub>2</sub> activation over an anion-rich photocatalyst Ba <sub>3</sub> (BO <sub>3</sub> )(CO <sub>3</sub> )F for metronidazole removal in water. <i>Separation and Purification Technology</i> , 2023, 318, 123986.	7.9	1
1015	An in silico study of sustainable drug pollutants removal using carboxylic acid functionalized-MOF nanostructures (MIL-53 (Al)-(COOH) <sub>2</sub> ): Towards a greener future. <i>Desalination</i> , 2023, 559, 116654.	8.2	21
1016	Removal of 2,4-Dichlorophenol from aqueous medium using activated carbon prepared from cocoa pod husks. <i>Chemical Data Collections</i> , 2023, 44, 100997.	2.3	0
1017	Simultaneous disinfection of urban wastewater and antibiotics degradation mediated by CuMgFe-B(OH) <sub>4</sub> layered double hydroxide with different oxidizing agents. <i>Chemical Engineering Journal</i> , 2023, 466, 143080.	12.7	5
1018	Structural insights, biocatalytic characteristics, and application prospects of lignin-modifying enzymes for sustainable biotechnology. <i>International Journal of Biological Macromolecules</i> , 2023, 242, 124968.	7.5	4
1019	The impact of pharmaceutical pollutants on daphnids “A metabolomic approach. <i>Environmental Toxicology and Pharmacology</i> , 2023, 100, 104157.	4.0	0
1020	Fates of selected pharmaceuticals in a large recirculated mesocosm with a pond and bank filtration. <i>Science of the Total Environment</i> , 2023, 892, 164575.	8.0	1
1021	Global trends in the research and development of medical/pharmaceutical wastewater treatment over the half-century. <i>Chemosphere</i> , 2023, 331, 138775.	8.2	3
1022	Photocatalytic Degradation of Drugs. , 2023, , 797-825.		0
1023	Recent innovations and challenges in the eradication of emerging contaminants from aquatic systems. <i>Chemosphere</i> , 2023, 332, 138812.	8.2	8
1024	Statistically optimised sequestration of mefenamic acid from polluted water by acacia gum phthalate/pectin hydrogel: A novel multifunctional adsorbent material synthesised via microwave-assisted process. <i>Chemical Engineering Journal</i> , 2023, 466, 143296.	12.7	15
1025	Antibiotic removal efficiency by microalgae: A systematic analysis combined with meta-analysis. <i>Chemical Engineering Research and Design</i> , 2023, 174, 912-920.	5.6	5
1026	Exploration of surface hydroxyl on goethite during heterogeneous catalytic ozonation process: Generation, category, charged property, and contribution. <i>Separation and Purification Technology</i> , 2023, 319, 124048.	7.9	3
1027	Low bandgap high entropy alloy for visible light-assisted photocatalytic degradation of pharmaceutically active compounds: Performance assessment and mechanistic insights. <i>Journal of Environmental Management</i> , 2023, 342, 118081.	7.8	7
1028	Assessing the feasibility of a downstream heterogeneous Fenton process for the oxidative degradation of biologically treated ranitidine, diclofenac, and simvastatin. <i>Chemical Engineering Journal</i> , 2023, 467, 143509.	12.7	1
1029	Molecularly Imprinted Plasmonic Sensors for the Determination of Environmental Water Contaminants: A Review. <i>Chemosensors</i> , 2023, 11, 318.	3.6	2
1030	High Spatiotemporal Model-Based Tracking and Environmental Risk-Exposure of Wastewater-Derived Pharmaceuticals across River Networks in Saxony, Germany. <i>Water (Switzerland)</i> , 2023, 15, 2001.	2.7	0

#	ARTICLE	IF	CITATIONS
1031	Comparative study on removal of platinum cytostatic drugs at trace level by cysteine, diethylenetriamino functionalized Si-gels and polyethyleneimine functionalized sponge: Adsorption performance and mechanisms. <i>Science of the Total Environment</i> , 2023, 891, 164385.	8.0	4
1032	Pick-up of fluoroquinolones from the aqueous phase via magnetically propelled microrobots: kinetics, thermodynamics, and site energy distribution analysis. <i>Frontiers in Marine Science</i> , 0, 10, .	2.5	0
1033	Effect and degradation pathway of sulfamethoxazole removal in MBR by PVDF/DA modified membrane. <i>Frontiers in Environmental Science</i> , 0, 11, .	3.3	0
1034	A critical assessment of technical advances in pharmaceutical removal from wastewater – A critical review. <i>Case Studies in Chemical and Environmental Engineering</i> , 2023, 8, 100363.	6.1	13
1035	Removal of diclofenac using Fe <sub>2</sub> O <sub>3</sub> nanoparticles stabilised emulsion nanofluid membrane. <i>Materials Today: Proceedings</i> , 2023, , .	1.8	0
1037	Increased fishing quality of Chicago's waterways following the Clean Water Act. <i>Fisheries Management and Ecology</i> , 0, , .	2.0	0
1038	Adsorption Characteristics of Cetirizine on Graphene Oxide. <i>Sustainable Chemistry</i> , 2023, 4, 209-223.	4.7	1
1039	Recent advancements in antimony (Sb) removal from water and wastewater by carbon-based materials: a systematic review. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	2.7	3
1040	Research Progress of Advanced Oxidation of Persulfate to Degrade Organic Pollutants by Non-Free Radical Pathway. <i>Open Journal of Natural Science</i> , 2023, 11, 483-495.	0.0	0
1041	Impact of Sea Warming and 17- $\beta$ -Ethinylestradiol Exposure on the Lipid Metabolism of <i>Ruditapes philippinarum</i> Clams. <i>International Journal of Molecular Sciences</i> , 2023, 24, 9485.	4.1	1
1042	A critical review on biochar for environmental applications. <i>Carbon Letters</i> , 2023, 33, 1407-1432.	5.9	8
1043	Evaluating pharmaceuticals and other organic contaminants in the Lac du Flambeau Chain of Lakes using risk-based screening techniques. <i>PLoS ONE</i> , 2023, 18, e0286571.	2.5	0
1044	Ultrasound-assisted enzymatic degradation of naproxen. <i>Journal of the Indian Chemical Society</i> , 2023, 100, 101040.	2.8	1
1045	Effect of Benzophenone Type UV Filters on Photodegradation of Co-existing Sulfamethoxazole in Water. <i>Photochem</i> , 2023, 3, 288-300.	2.2	0
1046	Synergistic degradation of tetracycline from Mo <sub>2</sub> C/MoO films mediated peroxymonosulfate activation and visible-light triggered photocatalysis. <i>Chemical Engineering Journal</i> , 2023, 469, 143774.	12.7	16
1047	Materials Based on Co, Cu, and Cr as Activators of PMS for Degrading a Representative Antibiotic – The Strategy for Utilization in Water Treatment and Warnings on Metal Leaching. <i>Molecules</i> , 2023, 28, 4536.	3.8	1
1048	Interaction of Persulfate and Hydroxylamine Produces Highly Reactive Species in Aqueous Systems. <i>ACS ES&amp;T Engineering</i> , 2023, 3, 1486-1494.	7.6	2
1049	One-step calcination synthesis of 2D/2D g-C <sub>3</sub> N <sub>4</sub> /WS <sub>2</sub> van der Waals heterojunction for visible light-induced photocatalytic degradation of pharmaceutical pollutants. <i>Environmental Science and Pollution Research</i> , 2023, 30, 78537-78553.	5.3	4

#	ARTICLE	IF	CITATIONS
1050	Tratamiento solar de aguas en la Plataforma Solar de Almería (CIEMAT, España): Integración de tecnologías para la regeneración de aguas residuales y producción fotocatalítica de hidrógeno. , 2022, 1, 121-135.		0
1051	Screening of Commonly Used Antibiotics in Fresh and Saltwater Samples Impacted by Aquacultures: Analytical Methodology, Occurrence and Environmental Risk Assessment. Sustainability, 2023, 15, 9199.	3.2	4
1052	Preparation of nanocomposite of zinc oxide with nanocrystalline cellulose from Luffa sponge for removal of metronidazole from aqueous solutions. Environmental Nanotechnology, Monitoring and Management, 2023, 20, 100840.	2.9	0
1053	Efficient Removal of Analgesic and Anti-Inflammatory Drugs from Sewage Treatment Plant Effluents Using Magnetite Nanoparticles Synthesized Red Mud. Water, Air, and Soil Pollution, 2023, 234, .	2.4	1
1054	The occurrence and fate of antibiotics and nonsteroidal anti-inflammatory drugs in water treatment processes: A review. Journal of Hazardous Materials Advances, 2023, 10, 100330.	3.0	0
1055	Evaluation of the antioxidative response of diatoms grown on emerging steroidal contaminants. Environmental Monitoring and Assessment, 2023, 195, .	2.7	1
1056	Density functional theory study of hydrophobic zeolites for the removal of triclosan from aqueous solution. Environmental Science Advances, 2023, 2, 1082-1098.	2.7	2
1057	Animal production predominantly contributes to antibiotic profiles in the Yangtze River. Water Research, 2023, 242, 120214.	11.3	19
1058	Cellulose-based adsorbents for solid phase extraction and recovery of pharmaceutical residues from water. Carbohydrate Polymers, 2023, 318, 121097.	10.2	9
1059	Pharmaceuticals in Water: Risks to Aquatic Life and Remediation Strategies. Hydrobiology, 2023, 2, 395-409.	1.7	8
1060	Unveiling the treatment-driven secondary risks of pharmaceuticals: New lessons from calcium channel blocker transformation by multiple oxidants. Science of the Total Environment, 2023, 893, 164824.	8.0	0
1061	Fungal-Based Remediation in the Treatment of Anthropogenic Activities and Pharmaceutical-Pollutant-Contaminated Wastewater. Water (Switzerland), 2023, 15, 2262.	2.7	1
1062	Synthesis of GG-g-P(NIPAM-co-AA)/GO and evaluation of adsorption activity for the diclofenac and metformin. Journal of Environmental Health Science & Engineering, 2023, 21, 403-416.	3.0	4
1063	Adsorption kinetics, isotherms and mechanisms of three-component covalent organic polymer/sodium alginate beads for ciprofloxacin removal from aqueous solution. Journal of Polymer Science, 0, , .	3.8	0
1064	Lanthanum hydroxylchloride/anatase composite and its application for effective UV-light driven oxidation of the emergent water contaminant cetirizine. Chemical Engineering Research and Design, 2023, 196, 685-700.	5.6	1
1065	Mitotic response of Allium cepa L. to toxicity of pharmaceutical effluents. African Journal of Agricultural Research Vol Pp, 2023, 19, 588-597.	0.5	0
1066	Visible-light-driven photocatalytic activity of WO <sub>3</sub> /ZIF-67 S-scheme heterojunction for upgrading degradation of oxytetracycline. Journal of Environmental Chemical Engineering, 2023, 11, 110393.	6.7	22
1067	Wastewater Treatment Technologies. , 2023, , 201-213.		0

#	ARTICLE	IF	CITATIONS
1068	Recycling of Nanoparticles Stabilized Emulsion Nanofluid Membrane for the Removal of Diclofenac: Stability and Performance Assessment. Colloid Journal, 2023, 85, 298-313.	1.3	0
1069	Impacts of reclaimed water irrigation on the accumulation of pharmaceutical and personal care products in soil and cereals. Irrigation Science, 2024, 42, 419-430.	2.8	0
1070	Growth inhibition, oxidative stress and characterisation of mortality in green algae under the influence of beta-blockers and non-steroidal anti-inflammatory drugs. Science of the Total Environment, 2023, 896, 165019.	8.0	2
1071	Emerging contaminants in conventional and advanced biological nutrient removal based wastewater treatment plants in India- insights into the removal processes. Science of the Total Environment, 2023, 894, 165094.	8.0	2
1072	Acceleration of Fe <sup>3+</sup> /Fe <sup>2+</sup> cycle in garland-like MIL-101(Fe)/MoS <sub>2</sub> nanosheets to promote peroxymonosulfate activation for sulfamethoxazole degradation. Chemical Engineering Journal, 2023, 470, 144190.	12.7	16
1073	Separation of organic ions from aqueous solutions by membrane capacitive deionization. Chemical Engineering Science, 2023, 280, 119012.	3.8	0
1074	Degradation of Xenobiotics by Cyanobacteria. , 2023, , 181-195.		0
1075	Surface modification promotes the desalination performance in asymmetric graphene channels. Journal of Molecular Liquids, 2023, 386, 122448.	4.9	3
1076	Rare rhizo-Actinomycetes: A new source of agroactive metabolites. Biotechnology Advances, 2023, 67, 108205.	11.7	6
1077	Sustainable Wastewater Management via Biochar Derived from Industrial Sewage Sludge. Circular Economy and Sustainability, 0, , .	5.5	4
1078	Synthesis, spectral, antibacterial and QSAR studies of tin and silicon complexes with Schiff base of amino acids. Journal of Molecular Structure, 2023, 1287, 135670.	3.6	2
1079	Brief insights of various adsorbents utilized for the sequestration of toxic pollutants from aqueous phase: a review. Journal of Dispersion Science and Technology, 0, , 1-31.	2.4	0
1080	Comparison of Ten Metal-Doped LaFeO <sub>3</sub> Samples on Photocatalytic Degradation of Antibiotics in Water under Visible Light: Role of Surface Area and Aqueous Phosphate Ions. Molecules, 2023, 28, 3807.	3.8	3
1081	Removal of a mixture of antibiotics in water using nonthermal plasma. Plasma Processes and Polymers, 2023, 20, .	3.0	3
1082	Microstructure optimization of bioderived polyester nanofilms for antibiotic desalination via nanofiltration. Science Advances, 2023, 9, .	10.3	22
1083	Application of a biochar produced from malt bagasse as a residue of brewery industry in fixed-bed column adsorption of paracetamol. Chemical Engineering Research and Design, 2023, 194, 779-786.	5.6	4
1084	Boosting peroxymonosulfate activation by iron-based dual active site for efficient sulfamethoxazole degradation: synergism of Fe and N-doped carbon. Environmental Science and Pollution Research, 2023, 30, 71088-71102.	5.3	0
1085	Progressive Sub-MIC Exposure of Klebsiella pneumoniae 43816 to Cephalothin Induces the Evolution of Beta-Lactam Resistance without Acquisition of Beta-Lactamase Genes. Antibiotics, 2023, 12, 887.	3.7	0



#	ARTICLE	IF	CITATIONS
1086	Improved selectivity of molecularly imprinted polymers based on the synergistic action of hydrogen bond and electrostatic interaction. <i>Journal of Molecular Recognition</i> , 2023, 36, .	2.1	0
1087	Synthesis of tetragonal SnO <sub>2</sub> photocatalyst for Microstructural analysis and visible light driven Fenton-like degradation of Methylene Blue. <i>ChemistrySelect</i> , 2023, 8, .	1.5	1
1088	Effective removal of selected pharmaceuticals from sewerage treatment plant effluent using natural clay (Na-montmorillonite). <i>Applied Water Science</i> , 2023, 13, .	5.6	3
1089	Nitrogen-Doped Graphene Nanosheets for Sustainable Removal of Pharmaceutical Contaminants from Water: Kinetics and ANFIS Modeling. <i>ChemNanoMat</i> , 2023, 9, .	2.8	1
1090	Advanced oxidation and a metrological strategy based on CLC-MS for the removal of pharmaceuticals from pore & surface water. <i>Chemosphere</i> , 2023, 333, 138847.	8.2	0
1091	Microplastics as vectors of chemical contaminants and biological agents in freshwater ecosystems: Current knowledge status and future perspectives. <i>Environmental Pollution</i> , 2023, 330, 121829.	7.5	17
1092	A promising approach for simultaneous removal of ammonia and multiple heavy metals from landfill leachate by carbonate precipitating bacterium. <i>Journal of Hazardous Materials</i> , 2023, 456, 131662.	12.4	10
1093	A review on sustainable technologies for pharmaceutical elimination in wastewaters â€” A ubiquitous problem of modern society. <i>Journal of Molecular Liquids</i> , 2023, 383, 122121.	4.9	7
1094	Magnetic mining waste based-membranes for trimethoprim removal and fouling mitigation with ozone. <i>Chemical Engineering Journal</i> , 2023, 468, 143566.	12.7	0
1095	Semirigid Highly Conjugated Zirconium-Organic Framework for the Capture of Micropollutants and Solar-Light Photodegradation. <i>Inorganic Chemistry</i> , 2023, 62, 8863-8873.	4.0	1
1096	Uptake of selected antiretrovirals by pepper ( <i>Capsicum annum</i> ), radish ( <i>Raphanus sativus</i> ), and ryegrass ( <i>Lolium perenne</i> ) grown on two contrasting soils and fertilized with human urine-derived fertilizers. <i>Science of the Total Environment</i> , 2023, 892, 164551.	8.0	0
1097	Solar light-driven simultaneous pharmaceutical pollutant degradation and green hydrogen production using a mesoporous nanoscale WO <sub>3</sub> /BiVO <sub>4</sub> heterostructure photoanode. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 110256.	6.7	4
1098	Production of reactive species during UV photolysis of chlorite for the transformation of micropollutants in simulated drinking water. <i>Chemical Engineering Journal</i> , 2023, 470, 144076.	12.7	0
1099	Adsorptive and photocatalytic degradation potential of porous polymeric materials for removal of pesticides, pharmaceuticals, and dyes-based emerging contaminants from water. <i>Chemosphere</i> , 2023, 336, 139203.	8.2	15
1100	Fiberglass cloth coated by coffee ground waste-derived carbon quantum dots/titanium dioxide composite for removal of caffeine and other pharmaceuticals from water. <i>Heliyon</i> , 2023, 9, e17693.	3.2	5
1101	Coupling effects between metal-organic framework derivatives and oxygen-deficient TiO <sub>2</sub> nanotubes: identified charge-transfer processes and photoelectric synergistic effect. <i>Environmental Science: Nano</i> , 2023, 10, 1993-2009.	4.3	2
1102	Ammonia-mediated iron cycle for oxidizing agent activation in advanced oxidation process. <i>Water Research</i> , 2023, 242, 120295.	11.3	0
1103	Water contamination by delorazepam induces epigenetic defects in the embryos of the clawed frog <i>Xenopus laevis</i> . <i>Science of the Total Environment</i> , 2023, 896, 165300.	8.0	5

#	ARTICLE	IF	CITATIONS
1104	Occurrence, toxicity, impact and removal of selected non-steroidal anti-inflammatory drugs (NSAIDs): A review. <i>Science of the Total Environment</i> , 2023, 898, 165317.	8.0	7
1105	Occurrence, fate, and potential risk of pharmaceutical pollutants in agriculture: Challenges and environmentally friendly solutions. <i>Science of the Total Environment</i> , 2023, 899, 165323.	8.0	13
1106	Development strategies for pharmaceutical waste management: in view of healthcare perspectives. , 2023, , 97-121.		0
1107	Synthesis and mechanistic insights of SiO <sub>2</sub> @WO <sub>3</sub> @Fe <sub>3</sub> O <sub>4</sub> as a Novel Supported Photocatalyst for Wastewater Remediation under Visible Light. <i>Applied Materials Today</i> , 2023, 33, 101879.	4.3	2
1108	Ionic liquid-based dispersive liquid-liquid microextraction of succinic acid from aqueous streams: COSMO-RS screening and experimental verification. <i>Environmental Technology (United Kingdom)</i> , 0, , 1-12.	2.2	0
1109	Pharmaceutical waste: a health risk for humans. , 2023, , 81-95.		0
1110	Hydro/solvothermally synthesized bismuth tungstate nanocatalysts for enhanced photocatalytic degradation of dyes, antibiotics, and bacteria in wastewater: A review. <i>Journal of Water Process Engineering</i> , 2023, 54, 103994.	5.6	12
1112	Biogenic adsorbents for removal of drugs and dyes: A comprehensive review on properties, modification and applications. <i>Chemosphere</i> , 2023, 338, 139477.	8.2	6
1113	Experimental and numerical elucidation of the fate and transport of antibiotics in aquatic environment: A review. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	2.7	2
1114	Grey Water Footprint of Contaminants of Emerging Concern from Wastewater in Sava River Basin. <i>Acta Hydrotechnica</i> , 2022, , 117-128.	0.4	0
1115	Advanced redox processes for sustainable water treatment. , 2023, 1, 666-681.		13
1116	Phytoremediation as a Tool to Remove Drivers of Antimicrobial Resistance in the Aquatic Environment. <i>Reviews of Environmental Contamination and Toxicology</i> , 2023, 261, .	1.3	0
1117	Various species of Basidiomycota fungi reveal different abilities to degrade pharmaceuticals and also different pathways of degradation. <i>Chemosphere</i> , 2023, 338, 139481.	8.2	0
1118	Electrochemical determination of diclofenac sodium using modified carbon paste electrode-based Zn/Fe-PANI and its efficient removal using three different layered double hydroxides. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-20.	3.3	1
1119	Treatment of antimicrobial azole compounds via photolysis, electrochemical and photoelectrochemical oxidation: Degradation kinetics and transformation products. <i>Environmental Pollution</i> , 2023, 334, 122220.	7.5	1
1120	Pilot and full scale applications of floating treatment wetlands for treating diffuse pollution. <i>Science of the Total Environment</i> , 2023, 899, 165595.	8.0	1
1121	Toxicity evolution and control for the UV/H <sub>2</sub> O <sub>2</sub> degradation of nitrogen-containing heterocyclic compounds: SDZ and PMM. <i>Chemosphere</i> , 2023, 338, 139541.	8.2	1
1122	Removal of Paracetamol and Cu <sup>2+</sup> from Water by Using Porous Carbons Derived from Agrowastes. <i>Processes</i> , 2023, 11, 2146.	2.8	1

#	ARTICLE	IF	CITATIONS
1123	Biological treatment solutions using bioreactors for environmental contaminants from industrial waste water. , 0, , .		4
1124	Effect of salinity on the toxicity of diclofenac, ibuprofen and naproxen toward cyanobacterium <i>Synechocystis salina</i> . <i>Chemosphere</i> , 2023, 338, 139521.	8.2	0
1125	Voltammetric determination of sulfamethoxazole using commercial screen-printed carbon electrodes. <i>Microchemical Journal</i> , 2023, 193, 109125.	4.5	1
1126	A surfactant-based quasi-hydrophobic deep eutectic solvent for dispersive liquid-liquid microextraction of gliflozins from environmental water samples using UHPLC/fluorescence detection. <i>Talanta</i> , 2024, 266, 124950.	5.5	5
1127	Environmental concentrations of antibiotics, biocides, and heavy metals fail to induce phenotypic antimicrobial resistance in <i>Escherichia coli</i> . <i>Science of the Total Environment</i> , 2023, 899, 165721.	8.0	1
1128	Facile synthesis of 2D/0D Bi <sub>2</sub> O <sub>3</sub> /MnO <sub>2</sub> Z-scheme heterojunction for enhanced visible light-assisted photocatalytic degradation of acetaminophen. <i>Chemical Engineering Journal</i> , 2023, 472, 144969.	12.7	12
1129	Starch-Based Polymer Materials as Advanced Adsorbents for Sustainable Water Treatment: Current Status, Challenges, and Future Perspectives. <i>Polymers</i> , 2023, 15, 3114.	4.5	10
1130	Recent Advances in Photoelectrochemical Sensors for Analysis of Toxins and Abused Drugs in the Environment. <i>Chemosensors</i> , 2023, 11, 412.	3.6	1
1131	A luminescent cationic MOF and its polymer composite membrane elicit selective sensing of antibiotics and pesticides in water. <i>Molecular Systems Design and Engineering</i> , 2023, 8, 1483-1491.	3.4	1
1132	Highly dispersed natural Goethite/Fe <sub>3</sub> O <sub>4</sub> heterogeneous Fenton-like catalyst for efficient tetracycline degradation: Rapid accumulation of hydroxyl radicals by Fe-O-Si bonds. <i>Journal of Cleaner Production</i> , 2023, 420, 138262.	9.3	3
1133	Exorbitant signatures of pesticides and pharmaceuticals in municipal solid wastes (MSWs): Novel insights through risk analysis, dissolution dynamics, and model-based source identification. <i>Science of the Total Environment</i> , 2023, 900, 165855.	8.0	1
1134	Rapid and selective removal of toxic and radioactive anionic pollutants using an ionic covalent organic framework (iCOF-2). <i>Journal of Materials Chemistry A</i> , 2023, 11, 17226-17236.	10.3	4
1135	Nanotechnological Interventions in the Degradation of Pharmaceutical Compounds. , 2023, , 487-517.		0
1136	Removal of the Water Pollutant Ciprofloxacin Using Biodegradable Sorbent Polymers Obtained from Polysaccharides. <i>Polymers</i> , 2023, 15, 3188.	4.5	0
1137	Impacts of Organic Emerging Contaminants (Erythromycin, Ibuprofen, and Diclofenac) on the Performance of a Membrane Bioreactor Treating Urban Wastewater: A Heterotrophic Kinetic Investigation. <i>Membranes</i> , 2023, 13, 697.	3.0	0
1139	Effects of haloperidol on peripheral erythrocytes and brain neurotransmitter levels of juvenile African Sharptooth Catfish <i>Clarias gariepinus</i> . <i>Journal of Aquatic Animal Health</i> , 2023, 35, 238-247.	1.4	0
1140	Isolation and Characterization of the Wastewater Micropollutant Phenacetin-Degrading Bacterium <i>Rhodococcus</i> sp. Strain PNT-23. <i>Microorganisms</i> , 2023, 11, 1962.	3.6	0
1142	Plant-Waste-Derived Sorbents for Nitazoxanide Adsorption. <i>Molecules</i> , 2023, 28, 5919.	3.8	0

#	ARTICLE	IF	CITATIONS
1143	Recent advancements on antibiotic bioremediation in wastewaters with a focus on algae: an overview. Environmental Technology (United Kingdom), 0, , 1-16.	2.2	0
1144	Metal-Organic Frameworks for Water Desalination. Advanced Functional Materials, 0, , .	14.9	4
1145	B <sub>2</sub> O <sub>3</sub> -Nanoparticles-Decorated N-Rich Reduced Graphene Oxide Composites for the Enhanced Visible-Light-Assisted Photocatalytic Degradation of Ciprofloxacin. Solar Rrl, 2023, 7, .	5.8	0
1146	Plasma degradation of water organic pollutants: Ab initio molecular dynamics simulations and experiments. Plasma Processes and Polymers, 2023, 20, .	3.0	1
1148	Functionalization of $\beta$ -cyclodextrin onto NiFe <sub>2</sub> O <sub>4</sub> nanoparticles for the removal of ketoprofen and diclofenac from the aqueous solutions. International Journal of Environmental Science and Technology, 0, , .	3.5	0
1149	MXene-derived Ti <sub>3</sub> C <sub>2</sub> Tx/Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> heterojunction photocatalyst for enhanced degradation of tetracycline hydrochloride, rhodamine B, and methyl orange under visible-light irradiation. Applied Surface Science, 2023, 639, 158270.	6.1	4
1150	Synthesis, characterization, and application of a zinc oxide-pyrrole-thiophene nanocomposite as an efficient adsorbent for the removal of tetracycline. New Journal of Chemistry, 0, , .	2.8	1
1151	Assessment of contaminants, health and survival of migratory shorebirds in natural versus artificial wetlands - The potential of wastewater treatment plants as alternative habitats. Science of the Total Environment, 2023, 904, 166309.	8.0	1
1152	Medicine designed to combat diseases of affluence affects the early development of fish. How do plastic microparticles contribute?. Science of the Total Environment, 2023, 904, 166378.	8.0	0
1153	Assessment of the Presence of Transformation Products of Certain Pharmaceutical Products (Psychotropic Family) by Suspect and Non-Targeted HRMS Screening in Wastewater Treatment Plants. Toxics, 2023, 11, 713.	3.7	0
1154	Enhanced PPCP electrooxidation in pharmaceutical wastewater by cocatalyst modification over Ti-doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> electrodes. Chemical Engineering Journal, 2023, 474, 145523.	12.7	0
1155	Enhancing adsorption performance of alkali activated kaolinite in the removal of antibiotic rifampicin from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 676, 132209.	4.7	3
1156	Characterization of laccases from Trametes hirsuta in the context of bioremediation of wastewater treatment plant effluent. Enzyme and Microbial Technology, 2023, 171, 110308.	3.2	1
1157	Effective Visible-Light-Driven Photocatalytic Degradation of Harmful Antibiotics Using Reduced Graphene Oxide-Zinc Sulfide-Copper Sulfide Nanocomposites as a Catalyst. ACS Omega, 2023, 8, 32817-32827.	3.5	1
1158	Green synthesis of copper oxide nanoparticles and its efficiency in degradation of rifampicin antibiotic. Scientific Reports, 2023, 13, .	3.3	18
1159	MOF-Based Photocatalytic Membrane for Water Purification: A Review. Small, 2024, 20, .	10.0	3
1160	Modeling and optimization of advanced oxidation treatment of dexamethasone from aquatic solutions using electro-peroxone/ultrasonic process: Application for real wastewater, electrical energy consumption and degradation pathway. Separation and Purification Technology, 2023, 327, 124871.	7.9	2
1161	Selection of priority emerging contaminants in surface waters of India, Pakistan, Bangladesh, and Sri Lanka. Chemosphere, 2023, 341, 139976.	8.2	1

#	ARTICLE	IF	CITATIONS
1162	Enantioselective uptake and translocation of atenolol in higher plants. <i>Science of the Total Environment</i> , 2023, 904, 166720.	8.0	1
1163	An advanced photo-oxidation process for pharmaceuticals using plasmon-assisted Ag-CoFe <sub>2</sub> O <sub>4</sub> photocatalysts. <i>Chemosphere</i> , 2023, 341, 139984.	8.2	2
1164	Emerging pollutants of severe environmental concern in water and wastewater: A comprehensive review on current developments and future research. <i>Water-Energy Nexus</i> , 2023, 6, 74-95.	4.0	10
1165	Uncovering the impact of agricultural activities and urbanization on rivers from the Piracicaba, Capivari, and Jundiaí-basin in São Paulo, Brazil: A survey of pesticides, hormones, pharmaceuticals, industrial chemicals, and PFAS. <i>Chemosphere</i> , 2023, 341, 139954.	8.2	0
1166	Molecular inspired electrocatalyst materials for environmental remediation. <i>Inorganic Chemistry Frontiers</i> , 0, , .	6.0	0
1167	Identification and Prioritization of Environmental Organic Pollutants: From an Analytical and Toxicological Perspective. <i>Chemical Reviews</i> , 2023, 123, 10584-10640.	47.7	12
1168	Theoretical Modeling of B <sub>12</sub> N <sub>12</sub> Nanocage for the Effective Removal of Paracetamol from Drinking Water. <i>Computation</i> , 2023, 11, 183.	2.0	3
1169	Electro Fenton's reaction coupled Zn-air battery for <i>in situ</i> pollutant degradation. <i>Green Chemistry</i> , 0, , .	9.0	0
1170	Acetaminophen and trimethoprim batch and fixed-bed sorption on MgO/Al <sub>2</sub> O <sub>3</sub> -modified rice husk biochar. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 677, 132263.	4.7	3
1171	Applications of biochar in medical and related environmental fields: current status and future perspectives. , 2023, 2, .		2
1172	Development of micropollutants removal process using thin-film nanocomposite membranes prepared by green new vapour-phase interfacial polymerization method. <i>Chemical Engineering Journal</i> , 2023, 472, 144940.	12.7	14
1173	Less is more: A new perspective for toxicity of emerging contaminants by structures, protein adducts and proteomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 167, 117289.	11.4	2
1174	Polymer materials as catalysts for medical, environmental, and energy applications. <i>Applied Materials Today</i> , 2023, 35, 101937.	4.3	1
1175	Comprehensive adsorption and spectroscopic studies on the interaction of magnetic biochar from black wattle sawdust with beta-blocker metoprolol. <i>Bioresource Technology</i> , 2023, 388, 129708.	9.6	2
1176	Microalgal-based bioremediation of emerging contaminants: Mechanisms and challenges. <i>Environmental Pollution</i> , 2023, 337, 122591.	7.5	6
1177	Microbial approaches for pharmaceutical wastewater recycling and management for sustainable development: A multicomponent approach. <i>Environmental Research</i> , 2023, 237, 116983.	7.5	3
1178	In situ synthesized S-type heterojunction Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> /CuBi <sub>2</sub> O <sub>4</sub> enable efficient NIR light-driven H <sub>2</sub> O <sub>2</sub> activation for water purification. <i>Applied Catalysis B: Environmental</i> , 2024, 340, 123246.	20.2	3
1179	Pharmaceuticals, pesticides, and ultraviolet filters in wastewater discharges to San Francisco Bay as drivers of ecotoxicity. <i>Environmental Pollution</i> , 2023, 336, 122432.	7.5	0

#	ARTICLE	IF	CITATIONS
1180	Microalgae growth using treated domestic effluent added to emerging pollutants: Removal mechanism and generation of by products. Journal of Water Process Engineering, 2023, 55, 104175.	5.6	1
1181	Microbial degradation and transformation of PPCPs in aquatic environment: A review. Heliyon, 2023, 9, e18426.	3.2	3
1182	Elucidating sulfate radical-induced oxidizing mechanisms of solid-phase pharmaceuticals: Comparison with liquid-phase reactions. Waste Management, 2023, 170, 270-277.	7.4	0
1183	Electrochemical degradation of key drugs to treat COVID-19: Experimental analysis of the toxic by-products formation (PCDD/Fs). Science of the Total Environment, 2024, 906, 167660.	8.0	0
1184	Sunlight active cellulose/g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> nano-photocatalyst for simultaneous degradation of methylene blue dye and atenolol drug in real wastewater. Nanotechnology, 2023, 34, 505705.	2.6	2
1185	Influence of nitrogen sources on N-doped reduced TiO <sub>2</sub> prepared using atmospheric plasma spraying for photocatalytic tetracycline and ciprofloxacin degradation. Separation and Purification Technology, 2023, 326, 124784.	7.9	6
1186	SUNLIGHT-INDUCED decontamination of water from emerging pharmaceutical pollutants using ZnO nanoparticles. Chemosphere, 2023, 343, 140265.	8.2	1
1187	Bimetal-oxide (Fe/Co) modified bagasse-waste carbon coated on lead oxide-battery electrode for metronidazole removal. Journal of Environmental Management, 2023, 347, 119104.	7.8	0
1188	A state-of-art-review on emerging contaminants: Environmental chemistry, health effect, and modern treatment methods. Chemosphere, 2023, 344, 140264.	8.2	2
1189	Mechanistic insights on the catalytic ozonation of trimethoprim in aqueous phase using geopolymer catalysts produced from mining waste. Journal of Environmental Chemical Engineering, 2023, 11, 111163.	6.7	1
1190	Main advances and future prospects in the remediation of the antibiotic amoxicillin with a focus on adsorption technology: A critical review. Journal of Water Process Engineering, 2023, 56, 104407.	5.6	8
1191	The ability of biochars from cookstoves to remove pharmaceuticals and personal care products from hospital wastewater. Environmental Technology and Innovation, 2023, 32, 103391.	6.1	1
1192	Cytochrome P450 enzyme-based biotransformation of pharmaceuticals and personal care products (PPCPs) by microalgae in the aquatic environment. Chemical Engineering Journal, 2023, 476, 146557.	12.7	0
1193	Solar photo-Fenton optimization at neutral pH for microcontaminant removal at pilot plant scale. Environmental Science and Pollution Research, 2023, 30, 96208-96218.	5.3	0
1194	Electrochemical Sensor for Antihistamine Drug Detection in River Water Using MoO <sub>3</sub> Nanorods. Water, Air, and Soil Pollution, 2023, 234, .	2.4	0
1195	Socioeconomic and seasonal effects on spatiotemporal trends in estrogen occurrence and ecological risk within a river across low-urbanized and high-husbandry landscapes. Environment International, 2023, 180, 108246.	10.0	1
1196	Thermodynamic and environmental analysis of self-thermal antibiotic residues supercritical water gasification system for hydrogen and power production. Chemical Engineering Research and Design, 2023, 179, 168-179.	5.6	0
1197	Removal of bisphenol A via adsorption on graphene/(reduced) graphene oxide-based nanomaterials. Separation and Purification Reviews, 0, , 1-19.	5.5	2



#	ARTICLE	IF	CITATIONS
1198	Sustainable Conversion of Biowaste to Energy to Tackle the Emerging Pollutants: A Review. Current Pollution Reports, 0, , .	6.6	0
1199	Pollutants in aquatic system: a frontier perspective of emerging threat and strategies to solve the crisis for safe drinking water. Environmental Science and Pollution Research, 2023, 30, 113242-113279.	5.3	1
1200	Molecularly Imprinted Polymer-Based Adsorbents for the Selective Removal of Pharmaceuticals from Wastewater: Adsorption Kinetics, Isotherms, and Thermodynamics Studies. Industrial & Engineering Chemistry Research, 2023, 62, 16525-16544.	3.7	0
1201	Promoted micropollutant degradation and structural evolution of natural organic matter by a novel S(IV)-based water treatment strategy. Journal of Hazardous Materials, 2024, 462, 132801.	12.4	0
1202	Differential toxicity of various mineral nanoparticles to <i>Synechocystis</i> sp.: With and without ciprofloxacin. Journal of Hazardous Materials, 2023, 460, 132319.	12.4	0
1203	A novel combination of non-thermal plasma process and a heterogenous nanophotocatalyst-sorbent comprising zinc sulfide, graphene oxide and polyaniline as an efficient strategy for treatment of organic-contaminated water. Journal of Water Process Engineering, 2023, 55, 104254.	5.6	0
1204	Pharmaceutically active compounds in aqueous environment: recent developments in their fate, occurrence and elimination for efficient water purification. Environmental Monitoring and Assessment, 2023, 195, .	2.7	0
1205	Adsorptive removal of diclofenac sodium from aqueous solution by highly efficient metal organic framework (UiO-66)/multi-walled carbon nanotube composite. Environmental Science and Pollution Research, 0, , .	5.3	2
1206	Synthesis and characterization of biochars modified with natural deep eutectic solvent (NADES) for dipyrone removal from aqueous medium. Sustainable Chemistry and Pharmacy, 2023, 35, 101205.	3.3	0
1207	Evaluation of contaminants of emerging concern attenuation through a vegetation filter managed using different operating conditions. Journal of Hazardous Materials, 2023, 459, 132217.	12.4	0
1209	Removal of pharmaceuticals and personal care products from wastewater via anodic oxidation and electro-Fenton processes: current status and needs regarding their application. Water Science and Technology, 2023, 88, 1143-1154.	2.5	0
1210	An energetic MOF-assistant confined expansion strategy to fabricate Fe-doped porous carbon beads for advanced oxidation processes: Interfacial reaction mechanism and biological toxicity. Journal of Environmental Chemical Engineering, 2023, 11, 110842.	6.7	1
1211	Systematic study of the synergistic and kinetics effects on the removal of contaminants of emerging concern from water by ultrasound in the presence of diverse oxidants. Environmental Science and Pollution Research, 0, , .	5.3	0
1212	SYNTHESIS OF UREA AND MAGNETITE-BASED CHITIN AS ADSORBENTS FOR THE REMOVAL OF AMLODIPINE BESYLATE. International Journal of Pharmacy and Pharmaceutical Sciences, 0, , 24-31.	0.3	0
1213	Modeling sulfamethoxazole removal by pump-less in-series forward osmosisâ€“ultrafiltration hybrid processes using artificial neural network, adaptive neuro-fuzzy inference system, and support vector machine. Chemical Engineering Journal, 2023, 474, 145821.	12.7	1
1215	Pilot-scale study of UVC-based AOPs towards implementation at the outlet of domestic WWTPs. Water Science and Technology, 2023, 88, 1471-1483.	2.5	0
1216	Simultaneous removal of Norfloxacin, Ciprofloxacin, and copper from aqueous solution by chitosan and MXene functionalized graphene oxide ternary composite based on anion-synergistic interaction. Chemical Engineering Journal, 2023, 474, 145890.	12.7	0
1217	Occurrence, pollution sources, and mitigation prospects of Antibiotics, anti-inflammatories, and endocrine disruptors in the aquatic environment. Environmental Nanotechnology, Monitoring and Management, 2023, 20, 100878.	2.9	0

#	ARTICLE	IF	CITATIONS
1218	Covalent or ionic bonding of Eosin Y to silica: New visible-light photocatalysts for redox wastewater remediation. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 111024.	6.7	0
1219	3D black g-C <sub>3</sub> N <sub>4</sub> isotype heterojunction hydrogels as a sustainable photocatalyst for tetracycline degradation and H <sub>2</sub> O <sub>2</sub> production. <i>Chemical Engineering Journal</i> , 2023, 475, 146163.	12.7	8
1220	Redox Self-Purification Mechanism of Natural Waters With the Involvement of Thioglycolic Acid and Thiourea. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2023, , 43-67.	0.4	0
1221	Tandem CQDs loaded triple metal oxide interface-reinforced built-in electric field for a wide-spectral-responsive photocatalyst. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 679, 132417.	4.7	1
1223	Biochar-layered double hydroxide composites for the adsorption of tetracycline from water: synthesis, process modeling, and mechanism. <i>Environmental Science and Pollution Research</i> , 2023, 30, 109162-109180.	5.3	2
1224	A sustainable approach for the removal of pharmaceutical contaminants from effluent using polyamide thin-film composite membranes integrated with Zn-based metal organic frameworks. <i>Environmental Science and Pollution Research</i> , 0, , .	5.3	0
1225	Photocatalytic degradation of different antibiotics using TiO <sub>2</sub> -carbon composites: a case study of tetracycline and ciprofloxacin. <i>New Journal of Chemistry</i> , 2023, 47, 19646-19656.	2.8	1
1226	Bioconcentration of carbamazepine, enalapril, and sildenafil in neotropical fish species. <i>Frontiers in Toxicology</i> , 0, 5, .	3.1	0
1228	Hydroxyl and sulfate radical-based degradation of ciprofloxacin using UV-C and/or Fe <sup>2+</sup> -catalyzed peroxymonosulfate: Effects of process parameters and toxicity evaluation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2024, 447, 115246.	3.9	1
1229	Occurrence and adsorptive removal of sulfonamides and $\beta$ -blockers in African and Asian water matrices: A comprehensive review. <i>Environmental Advances</i> , 2023, 13, 100435.	4.8	1
1230	Intergenerational effects on fertility in male and female mice after chronic exposure to environmental doses of NSAIDs and 17 $\beta$ -ethinylestradiol mixtures. <i>Food and Chemical Toxicology</i> , 2023, 182, 114085.	3.6	2
1231	Magnetically separable MnFeCoNiCu-based high entropy alloy nanoparticles for photocatalytic oxidation of antibiotic cocktails in different aqueous matrices. <i>Chemical Engineering Journal</i> , 2023, 476, 146719.	12.7	2
1232	Reaction mechanism, degradation pathway and toxicity assessment of NH <sub>4</sub> <sup>+</sup> enhanced potassium ferrate removal of levofloxacin. <i>Chemical Engineering Research and Design</i> , 2023, 180, 725-734.	5.6	0
1233	Persistent Trace Organic Contaminants Are Transformed Rapidly under Sulfate- and Fe(III)-Reducing Conditions in a Nature-Based Subsurface Water Treatment System. <i>Environmental Science &amp; Technology</i> , 0, , .	10.0	0
1234	Tailorable morphology control of Prussian blue analogues toward efficient peracetic acid activation for sulfonamides removal. <i>Applied Catalysis B: Environmental</i> , 2024, 342, 123409.	20.2	3
1235	Advanced oxidation process for the treatment of industrial wastewater: A review on strategies, mechanisms, bottlenecks and prospects. <i>Chemosphere</i> , 2023, 345, 140473.	8.2	9
1236	Laccase from <i>Streptomyces</i> sp. CS29 and molecular insight of sulfamethoxazole degradation. , 0, , .		0
1237	Dextrin-Based Adsorbents Synthesized via a Sustainable Approach for the Removal of Salicylic Acid from Water. <i>Nanomaterials</i> , 2023, 13, 2805.	4.1	0

#	ARTICLE	IF	CITATIONS
1239	Quantitative assessment of human health risks from chemical pollution in the uMsunduzi River, South Africa. <i>Environmental Science and Pollution Research</i> , 0, , .	5.3	0
1240	Occurrence, removal, and risk assessment of emerging contaminants in aquatic products processing sewage treatment plants. <i>Environmental Science and Pollution Research</i> , 0, , .	5.3	0
1241	Nonradical activation of Oxone over Fe-doped nitrogen carbon (Fe@NC) armor catalysts for efficient degradation of anthropogenic phenolics (p-nitrophenol, 4-chlorophenol) in groundwater matrices. <i>Chemical Engineering Journal</i> , 2023, 477, 146920.	12.7	0
1242	A bibliometric analysis of emerging contaminants (ECs) (2001âˆ’2021): Evolution of hotspots and research trends. <i>Science of the Total Environment</i> , 2024, 907, 168116.	8.0	5
1243	Zero-dimensional luminescent Carbon dots as Fascinating Analytical Tools for the Treatment of Pharmaceutical Based Contaminants in Aqueous Media. <i>Environmental Science: Water Research and Technology</i> , 0, , .	2.4	0
1244	The Impact of Climate Change on Chronic Kidney Disease. <i>BezmiÅflem Science</i> , 2023, 11, 460-465.	0.2	0
1245	Clustering micropollutants and estimating rate constants of sorption and biodegradation using machine learning approaches. <i>Npj Clean Water</i> , 2023, 6, .	8.0	2
1246	Antimicrobial resistance profiles of salmonella spp. and escherichia coli isolated from fresh nile tilapia ( <i>oreochromis niloticus</i> ) fish marketed for human consumption. <i>BMC Microbiology</i> , 2023, 23, .	3.3	1
1247	Insights in Pharmaceutical Pollution: The Prospective Role of eDNA Metabarcoding. <i>Toxics</i> , 2023, 11, 903.	3.7	1
1248	Occurrence and risks of pharmaceuticals, personal care products, and endocrine-disrupting compounds in Chinese surface waters. <i>Journal of Environmental Sciences</i> , 2023, , .	6.1	2
1249	Impact of wastewater reuse on contaminants of emerging concern in an effluent-dominated river. <i>Frontiers in Environmental Science</i> , 0, 11, .	3.3	0
1250	Non-steroidal anti-inflammatory drugs (NSAIDs) in the environment: Updates on pretreatment and determination methods. <i>Ecotoxicology and Environmental Safety</i> , 2023, 267, 115624.	6.0	0
1251	Adsorption performance on tetracycline by novel magnetic adsorbent derived from hydrochar of low-rank coal and sewage sludge. <i>Separation and Purification Technology</i> , 2024, 330, 125482.	7.9	1
1252	Analysis of water pollutants. , 2024, , 131-165.		0
1253	Chitosan/metal organic frameworks for environmental, energy, and bio-medical applications: a review. <i>Materials Advances</i> , 2023, 4, 5920-5947.	5.4	3
1254	Advances in identifying and managing emerging contaminants in aquatic ecosystems: Analytical approaches, toxicity assessment, transformation pathways, environmental fate, and remediation strategies. <i>Environmental Pollution</i> , 2024, 341, 122889.	7.5	0
1255	Nanocomposite HKUST-1@polysulfone membrane for the adsorptive removal of tetracyclines in waters. <i>Separation and Purification Technology</i> , 2024, 330, 125568.	7.9	2
1256	Suspect and Nontarget Screening Reveal the Underestimated Risks of Antibiotic Transformation Products in Wastewater Treatment Plant Effluents. <i>Environmental Science &amp; Technology</i> , 2023, 57, 17439-17451.	10.0	1

#	ARTICLE	IF	CITATIONS
1257	Applications of flexible electrochemical electrodes in wastewater treatment: A review. Chinese Chemical Letters, 2023, , 109277.	9.0	0
1258	pH-Sensitive adsorption of gastrointestinal drugs (famotidine and pantoprazole) as pharmaceutical pollutants by using the Au-doped@ZIF-90-glycerol adsorbent: insights from computational modeling. Journal of Materials Chemistry A, 2023, 11, 26127-26151.	10.3	6
1259	Carbonized eggshell membranes as highly active co-catalyst with Fe <sup>3+</sup> /persulfate for boosting degradation of carbamazepine by accelerating Fe <sup>3+</sup> /Fe <sup>2+</sup> cycle. Separation and Purification Technology, 2024, 332, 125725.	7.9	0
1260	A Commercial Clay-Based Material as a Carrier for Targeted Lysozyme Delivery in Animal Feed. Nanomaterials, 2023, 13, 2965.	4.1	0
1261	Recent Progress in Applications of Atmospheric Pressure Plasma for Water Organic Contaminantsâ€™ Degradation. Applied Sciences (Switzerland), 2023, 13, 12631.	2.5	0
1262	Broadband and large-area optical chirality generated by an achiral metasurface under achiral excitation. Physical Review A, 2023, 108, .	2.5	0
1263	Carbon within carbon: growth of excitation-independent CDs within functional mesoporous carbon towards detection and adsorption of a specific nitrofurans class of antibiotics. Journal of Materials Chemistry A, 2023, 12, 202-213.	10.3	1
1264	Antibiotic occurrence, environmental risks, and their removal from aquatic environments using microalgae: Advances and future perspectives. Chemosphere, 2024, 349, 140822.	8.2	0
1265	Biosafe removal of diclofenac from wastewaters by a continuous-flow mode cold atmospheric pressure plasma system. Journal of Environmental Chemical Engineering, 2024, 12, 111598.	6.7	0
1266	Sustainable development and analysis of a novel bio-derived (biochar) nanocomposite for the remediation of carbamazepine from aqueous solution. Chemosphere, 2024, 347, 140696.	8.2	1
1267	Recent Advances on Electrochemical Sensors for Detection of Contaminants of Emerging Concern (CECs). Molecules, 2023, 28, 7916.	3.8	0
1268	An overview of the characteristics, toxicity, and treatment methods for the degradation of pharmaceutically active compounds: Naproxen as a case study. Journal of Environmental Chemical Engineering, 2023, 11, 111575.	6.7	0
1269	Intensification of diclofenac removal through supported liquid membrane and ozonation. Environmental Technology and Innovation, 2024, 33, 103469.	6.1	0
1270	New insight into the bioaccumulation and trophic transfer of free and conjugated antibiotics in an estuarine food web based on multimedia fate and model simulation. Journal of Hazardous Materials, 2024, 465, 133088.	12.4	0
1271	Recent progress in water decontamination from dyes, pharmaceuticals, and other miscellaneous nonmetallic pollutants by layered double hydroxide materials. Journal of Water Process Engineering, 2024, 57, 104625.	5.6	0
1272	Modification of nanofiltration membranes using beta-cyclodextrin derivatives with different functional groups for enhanced removal of organic micropollutants. Desalination, 2024, 573, 117219.	8.2	0
1273	Effects of chemical contaminants on the ecology and evolution of organisms a review. Chemistry and Ecology, 2023, 39, 1071-1107.	1.6	0
1274	Small microplastic particles promote tetracycline and aureomycin adsorption by biochar in an aqueous solution. Journal of Environmental Management, 2024, 349, 119332.	7.8	3

#	ARTICLE	IF	CITATIONS
1275	Toxic effects of environmentally relevant concentrations of naproxen exposure on <i>Daphnia magna</i> including antioxidant system, development, and reproduction. <i>Aquatic Toxicology</i> , 2024, 266, 106794.	4.0	1
1276	An integrated approach of algae-bacteria mediated treatment of industries generated wastewater: Optimal recycling of water and safe way of resource recovery. <i>Biocatalysis and Agricultural Biotechnology</i> , 2023, 54, 102936.	3.1	2
1277	Degradation of paracetamol by sulfate radicals using UVA-irradiation/heat activated peroxydisulfate: kinetics and optimization using Boxâ€œBehnken design. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 0, , .	1.7	0
1278	Progress in Biosynthesized of Silver Nanoparticles as Sustainable Approach for Photocatalytic Wastewater Treatment. <i>Environmental Science and Engineering</i> , 2023, , 3-16.	0.2	0
1279	A solar flow photo-reactor for antibiotic removal from aquaculture effluents using TiO <sub>2</sub> /carbon quantum dots. <i>Chemosphere</i> , 2024, 348, 140723.	8.2	1
1280	Bioaccumulation of pharmaceuticals and stimulants in macrobenthic food web in the European Arctic as determined using stable isotope approach. <i>Science of the Total Environment</i> , 2024, 909, 168557.	8.0	1
1281	Isomers are more likely to cause collapse of <i>Daphnia magna</i> populations than Di-(2-ethylhexyl) phthalate (DEHP). <i>Aquatic Toxicology</i> , 2023, 265, 106757.	4.0	0
1282	When and How to Conduct Ecotoxicological Tests Using Natural Fieldâ€œCollected Sediment. <i>Environmental Toxicology and Chemistry</i> , 0, , .	4.3	1
1283	Accelerated removal of sulfadiazine by heterogeneous electro-Fenton system with Pt-FeOX/graphene single-atom alloy cathodes. <i>Journal of Environmental Management</i> , 2024, 349, 119541.	7.8	2
1284	Rice huskâ€œbased pyrogenic carbonaceous material efficiently promoted peroxymonosulfate activation toward the non-radical pathway for the degradation of pharmaceuticals in water. <i>Environmental Science and Pollution Research</i> , 0, , .	5.3	0
1285	Sargassum biomass-derived biochars for ibuprofen removal from water: Adsorption and kinetics. <i>MRS Advances</i> , 0, , .	0.9	0
1286	Flunitrazepam and its metabolites induced brain toxicity: Insights from molecular dynamics simulation and transcriptomic analysis. <i>Journal of Hazardous Materials</i> , 2024, 465, 133113.	12.4	1
1287	Advanced Composites for Drug Adsorption. <i>Advances in Material Research and Technology</i> , 2024, , 491-536.	0.6	0
1288	Benzodiazepine Delorazepam Induces Locomotory Hyperactivity and Alterations in Pedal Mucus Texture in the Freshwater Gastropod <i>Planorbarius corneus</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 17070.	4.1	0
1289	Prioritizing pharmaceutically active compounds (PhACs) based on occurrence-persistence-mobility-toxicity (OPMT) criteria: an application to the Brazilian scenario. <i>SAR and QSAR in Environmental Research</i> , 2023, 34, 1023-1039.	2.2	0
1290	Biowaste valorization on pharmaceuticals and pesticides abatement in aqueous environments. <i>Sustainable Materials and Technologies</i> , 2024, 39, e00792.	3.3	0
1291	New insights into the adsorptive characteristics of trihalomethane precursors from surface water using magnetic powdered activated carbon. <i>Journal of Water Process Engineering</i> , 2024, 57, 104636.	5.6	0
1293	Ozonation using a stainless-steel membrane contactor: Gas-liquid mass transfer and pharmaceuticals removal from secondary-treated municipal wastewater. <i>Chemosphere</i> , 2024, 349, 140888.	8.2	0

#	ARTICLE	IF	CITATIONS
1294	Graphitic carbon nitride and its nanocomposites-based sensors for detection of pharmaceutical effluents in food, ecological and biological samples: A mini-review. Sensors and Actuators Reports, 2024, 7, 100183.	4.4	0
1296	Design and optimization of TiO <sub>2</sub> -based photocatalysts for efficient removal of pharmaceutical pollutants in water: Recent developments and challenges. Journal of Water Process Engineering, 2024, 57, 104597.	5.6	1
1297	Efficiency of the bank filtration for removing organic priority substances and contaminants of emerging concern: A critical review. Environmental Pollution, 2024, 340, 122795.	7.5	0
1298	Emerging Mesoporous Polyacrylamide/Gelatin-Fe <sup>3+</sup> /Iron Lanthanum Oxide Nanohybrids towards the Antibiotic Drugs Removal from the Wastewater. Nanomaterials, 2023, 13, 2835.	4.1	1
1299	Coupled adsorption-photocatalysis process for the removal of diclofenac using magnetite/reduced graphene oxide nanocomposite. Chemosphere, 2024, 349, 140788.	8.2	1
1300	A comparative study of response surface methodology and artificial neural network based algorithm genetic for modeling and optimization of EP/US/GAC oxidation process in dexamethasone degradation: Application for real wastewater, electrical energy consumption. Chemosphere, 2024, 349, 140832.	8.2	0
1301	Robust calculus for biotransformation in wastewater generalised across thousands of chemicals and conditions. Environmental Chemistry, 2023, 20, 249-267.	1.5	0
1302	The Bioavailability of Drugs- The Current State of Knowledge. Molecules, 2023, 28, 8038.	3.8	3
1303	Application of persulfate-assisted graphitic carbon, derived through pyrolysis of waste biomass, driven by visible light, for the removal of tetracycline from water: Mechanisms and performance influencing parameters. Journal of Analytical and Applied Pyrolysis, 2024, 177, 106310.	5.5	0
1304	In situ preparation of biochar/Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> composite for ibuprofen removal under the synergistic effect of adsorption and photocatalysis and the underlying mechanism. Journal of Water Process Engineering, 2024, 57, 104628.	5.6	2
1305	Visible Light-Assisted Degradation of Sulfamethoxazole on 2D/0D Sulfur-Doped Bi <sub>2</sub> O <sub>3</sub> /MnO <sub>2</sub> Z-Scheme Heterojunction Immobilized Photocatalysts. Langmuir, 0, .	3.5	0
1306	A mechanistic view of removing pharmaceutical-induced pollutants by MXene and MXene-functionalized composites via adsorption and advanced oxidation process. Journal of Environmental Chemical Engineering, 2024, 12, 111685.	6.7	0
1307	Triptycene-Based Cationic Porous Organic Polymer for the Swift and Effective Removal of Organic and Inorganic Anionic Water Pollutants. , 2024, 2, 56-66.		1
1308	Impacts of multi-pollutants on sulfonamide antibiotic removal from water matrices using layered double hydroxide-sorbents. Environmental Technology and Innovation, 2024, 33, 103490.	6.1	0
1310	One-pot synthesis and immobilization of urea-derived graphitic carbon nitride onto ceramic foams for visible-light photocatalytic wet peroxide oxidation in water treatment. Chemical Engineering Journal, 2024, 481, 148141.	12.7	0
1311	Enhancing nanofiltration membrane selectivity between mineral salts and organic pollutants by sulfonic acid functionalization for drinking water treatment. Journal of Membrane Science, 2024, 693, 122358.	8.2	0
1312	Green sorbents from agricultural wastes: A review of sustainable adsorption materials. Applied Surface Science Advances, 2024, 19, 100562.	6.8	3
1313	β-cyclodextrin polymer composites for the removal of pharmaceutical substances, endocrine disruptor chemicals, and dyes from aqueous solution- A review of recent trends. Journal of Environmental Management, 2024, 351, 119830.	7.8	2



#	ARTICLE	IF	CITATIONS
1314	Diffusion kinetic processes and release risks of trace metals in plateau lacustrine sediments. Journal of Hazardous Materials, 2024, 465, 133341.	12.4	0
1316	Graphene Oxideâ€Polyphenylsulfone Nanocomposite Beads for Paracetamol Removal from Aqueous Solution. Membranes, 2024, 14, 9.	3.0	0
1318	Pharmacokinetic model of human exposure to ciprofloxacin through consumption of fish. Environmental Toxicology and Pharmacology, 2024, 106, 104359.	4.0	0
1319	Unveiling the adsorption mechanism of beta-blockers and sulfonamides in aqueous environment using disulfide-linked polymer. Separation and Purification Technology, 2024, 333, 125897.	7.9	0
1320	Removal of emergent pollutants: A review on recent updates and future perspectives on polysaccharide-based composites vis-À-vis traditional adsorbents. International Journal of Biological Macromolecules, 2024, 258, 129092.	7.5	1
1321	Enhanced efficiency of MS/MS all-ion fragmentation for non-targeted analysis of trace contaminants in surface water using multivariate curve resolution and data fusion. Analytical and Bioanalytical Chemistry, 2024, 416, 1165-1177.	3.7	0
1322	Distribution and toxicity of dihydroxybenzenes in drinking water sources in Nigeria. RSC Advances, 2024, 14, 982-994.	3.6	1
1323	Elimination of Pharmaceutical Compounds from Aqueous Solution through Novel Functionalized Pitch-Based Porous Adsorbents: Kinetic, Isotherm, Thermodynamic Studies and Mechanism Analysis. Molecules, 2024, 29, 463.	3.8	0
1324	Regression-based analysis of a Fe-catalysed ozone-based process for degradation of pharmaceutical. Materials Today: Proceedings, 2024, , .	1.8	0
1325	A two dimensional Co(OH) <sub>2</sub> catalytic gravity-driven membrane for water purification: a green and facile fabrication strategy and excellent water decontamination performance. Materials Horizons, 2024, 11, 1435-1447.	12.2	0
1326	Emerging contaminants at trace levels of pesticides perturbs biomolecules in different organs in mice: Role of peroxisome proliferator-activated receptor-alpha. , 0, 4, 1.		0
1328	Pharmaceutical Footprint in Domestic Wastewater: Case Study in Malaysia. Water, Air, and Soil Pollution, 2024, 235, .	2.4	0
1329	Modeling Tetracycline Adsorption onto Blast Furnace Slag Using Statistical and Machine Learning Approaches. Sustainability, 2024, 16, 464.	3.2	0
1330	Efficacy of Mg-Al-layered double hydroxide nano-adsorbents for a multi-anionic mixed dye solution. Journal of Molecular Liquids, 2024, 396, 123984.	4.9	0
1331	Medicating the coast in a metropolitan city: Enantiomeric profiles and joint probabilistic risk assessment of antidepressants and antihistamines. Environment International, 2024, 184, 108434.	10.0	0
1332	Aerogels Made of Few-Layer WS <sub>2</sub> Nanosheets and Nitrogen-Doped Graphene for Photocatalytic Degradation of Caffeine. ACS Applied Nano Materials, 2024, 7, 1723-1737.	5.0	0
1333	Pillarâ€Layered Metalâ€Organic Framework decorated onto TiO <sub>2</sub> : An Efficient Photocatalyst for Mineralization of Nonsteroidal Antiâ€Inflammatory Drugs (NSAIDs). ChemistrySelect, 2024, 9, .	1.5	0
1334	Comparative study of Fe <sup>2+</sup> /H <sub>2</sub> O <sub>2</sub> and Fe <sup>2+</sup> /persulfate systems on the pre-treatment process of real pharmaceutical wastewater. Water Science and Technology, 2024, 89, 811-822.	2.5	0

#	ARTICLE	IF	CITATIONS
1335	LC/Q-TOF-MS based structural characterization of enasidenib degradation products and establishment of a stability-indicating assay method: Insights into chemical stability. Rapid Communications in Mass Spectrometry, 2024, 38, .	1.5	0
1336	Recent advancements in biosurfactant-aided adsorption technologies for the removal of pharmaceutical drugs. , 2024, , 249-276.		0
1337	<i>p</i> -Semiquinone Radical and <i>o</i> -Benzoquinone Selectively Degrade Aniline Contaminants in the Periodate-Mediated Advanced Oxidation Process. Environmental Science & Technology, 2024, 58, 2123-2132.	10.0	0
1338	Bio nanotechnology. , 2024, , 195-207.		0
1339	Ferrocene-Containing Gallic Acid-Derivative Modified Carbon-Nanotube Electrodes for the Fast Simultaneous and Selective Determination of Cytostatics from Aqueous Solutions. Chemosensors, 2024, 12, 15.	3.6	0
1340	Cross-contamination and ecological risk assessment of antibiotics between rivers and surrounding open aquaculture ponds. Environmental Pollution, 2024, 344, 123404.	7.5	0
1341	A study of advanced oxidation processes for the removal of refractory pollutants from pharmaceutical wastewater. , 2024, , 271-287.		0
1342	Recent advancement in bioremediation of pharmaceutical wastewater. , 2024, , 51-70.		0
1343	Innovative technologies for emerging issues in pharmaceuticals. , 2024, , 243-270.		0
1344	Nb2O5/MWCNT nanocomposites for the degradation of ibuprofen via photocatalysis and catalytic ozonation. Catalysis Communications, 2024, 187, 106853.	3.3	0
1345	Graphene oxide synthesis and applications in emerging contaminant removal: a comprehensive review. Environmental Sciences Europe, 2024, 36, .	11.0	0
1346	Bioremediation of pharmaceutical waste waters. , 2024, , 289-336.		0
1347	Impact and remediation strategies for emerging organic water pollutants: an overview. , 2024, , 219-226.		0
1348	The odd couple: Caffeine and microplastics. Morphological and physiological changes in <i>Mytilus galloprovincialis</i> . Microscopy Research and Technique, 2024, 87, 1092-1110.	2.2	1
1349	Environmental and Human Health Impact of Antibiotics Waste Mismanagement: A Review. Advances in Environmental and Engineering Research, 2024, 05, 1-21.	0.8	0
1350	Adsorption of Levofloxacin onto Graphene Oxide/Chitosan Composite Aerogel Microspheres. Gels, 2024, 10, 81.	4.5	0
1351	Contaminants of emerging concern: Occurrence, analytical techniques, and removal with electrochemical advanced oxidation processes with special emphasis in Latin America. Environmental Pollution, 2024, 345, 123397.	7.5	0
1352	Dechlorination Helps Defluorination: Insights into the Defluorination Mechanism of Florfenicol by S-nZVI and DFT Calculations on the Reaction Pathways. Environmental Science & Technology, 2024, 58, 2542-2553.	10.0	0

#	ARTICLE	IF	CITATIONS
1353	Photocatalytic Porous Organic Polymers for the Degradation of Recalcitrant Organic Pollutants. , 2024, , .		0
1354	Allelopathic interactions between <i>Lemna minor</i> and <i>Microcystis aeruginosa</i> are influenced by the antimalarial drug lumefantrine. <i>Aquatic Botany</i> , 2024, 192, 103759.	1.6	0
1355	Ketoprofen products induced photosensitization of sulfonamide antibiotics: The cocktail effects of pharmaceutical mixtures on their photodegradation. <i>Environmental Pollution</i> , 2024, 345, 123458.	7.5	0
1356	Influence of visible light LEDs modulation techniques on photocatalytic degradation of ceftriaxone in a flat plate reactor. <i>Chemical Engineering Journal</i> , 2024, 482, 149175.	12.7	0
1357	Fate of pharmaceuticals and personal care products like metronidazole, naproxen, and methylparaben and their effect on the physiological characteristics of two wetland plants. <i>Chemical Engineering Journal</i> , 2024, 483, 149180.	12.7	0
1358	Recent insights into molecularly imprinted membrane technology for removal of pollutants from environmental water: From organic molecules to metal ions. <i>Journal of Water Process Engineering</i> , 2024, 58, 104852.	5.6	0
1359	Surfactant-induced AIE-active tin(IV) micelles for sensing naproxen residues in pharmaceutical effluents. <i>Journal of Molecular Liquids</i> , 2024, 397, 124153.	4.9	0
1360	Environmental and financial impacts of perioperative paracetamol use: a multicentre international life-cycle analysis. <i>British Journal of Anaesthesia</i> , 2024, , .	3.4	0
1361	Nanoadsorbents as an effective wastewater treatment candidate for pharmaceutical contaminants; towards sustainable policy development. <i>Case Studies in Chemical and Environmental Engineering</i> , 2024, 9, 100639.	6.1	0
1362	An insight into the photocatalytic degradation of the antibiotic rifampicin by titanium dioxide nanoparticles in aqueous solution under UV light irradiation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2024, 137, 1105-1123.	1.7	1
1363	Effect of copper doping on the photocatalytic performance of Ni <sub>2</sub> O <sub>3</sub> @PC membrane composites in norfloxacin degradation. <i>RSC Advances</i> , 2024, 14, 4424-4435.	3.6	1
1364	Physiological responses on the reproductive, metabolism and stress endpoints of <i>Astyanax lacustris</i> females (Teleostei: Characiformes) after diclofenac and ibuprofen exposure. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2024, 278, 109846.	2.6	0
1365	Fabrication of Efficient Na, B, and O Codoped g-C <sub>3</sub> N <sub>4</sub> /Polypyrrole-Carbon Black 3D Beads for Expeditious Degradation of Tetracycline via Percarbonate Activation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2024, 63, 2605-2618.	3.7	0
1366	Sunflower-like missing-linker covalent organic framework for efficient extraction of non-steroidal anti-inflammatory drugs. <i>Environmental Science and Pollution Research</i> , 2024, 31, 16601-16612.	5.3	0
1367	Identifying the Transients and Transformation Products in Hydroxyl Radical-Methimazole Reactions Using DFT and UPLC-Q-TOF MS/MS Approaches. <i>Journal of Physical Chemistry B</i> , 2024, 128, 1448-1460.	2.6	0
1368	Core-Labeled Reverse Micelle-Based Supramolecular Solvents for Assisted Quick and Sensitive Determination of Amitriptyline in Wastewater. <i>Langmuir</i> , 0, , .	3.5	0
1369	Adenomyotic Lesions Are Induced in the Mouse Uterus after Exposure to NSAID and EE2 Mixtures at Environmental Doses. <i>International Journal of Molecular Sciences</i> , 2024, 25, 2003.	4.1	0
1370	Occurrence of Trace-Level Antibiotics in the Msunduzi River: An Investigation into South African Environmental Pollution. <i>Antibiotics</i> , 2024, 13, 174.	3.7	0

#	ARTICLE	IF	CITATIONS
1371	S-doped ZnO photoelectrode modified with silver and platinum nanoparticles and their photocatalytic activity for progesterone degradation. Journal of Molecular Structure, 2024, 1305, 137764.	3.6	0
1372	One-step synthesis of CoxS/Ni3S2@NF on 3D nickel foam with different sulfur sources as a novel heterogeneous catalyst efficient activation of peroxymonosulfate in lomefloxacin degradation. Chemical Engineering Journal, 2024, 484, 149562.	12.7	0
1373	Degradation and transformation of carbamazepine in aqueous medium under non-thermal plasma oxidation process. Chemosphere, 2024, 352, 141449.	8.2	0
1374	Heterogeneous Activation of Sulfite by a Three-Dimensional Printed Hierarchically Porous Copper Catalyst for the Degradation of Tetracycline Hydrochloride in Water. ACS ES&T Water, 2024, 4, 1730-1740.	4.6	0
1375	Phosphorus doped magnetic biochar activated PMS for effective degradation of pesticide in water: Targeted regulation of interfacial charge transfer by phosphorus doping. Separation and Purification Technology, 2024, 340, 126739.	7.9	0
1377	Pharmaceutically active micropollutants: origin, hazards and removal. Frontiers in Microbiology, 0, 15, .	3.5	0
1378	Unveiling the potential of NiFe layered double hydroxide (LDH)/CuWO4 S-scheme heterojunction for sulfamethoxazole photodegradation and nitrobenzene photoreduction to aniline. Journal of Environmental Chemical Engineering, 2024, 12, 112203.	6.7	1
1379	Treatment of wastewater containing ciprofloxacin using the hybrid treatment approach based on acoustic cavitation. Canadian Journal of Chemical Engineering, 0, , .	1.7	0
1380	Presence of pharmaceutical contaminants of emerging concerns in two rivers of western Cuba and their relationship with the extracellular enzymatic activity of microbial communities. Environmental Pollution, 2024, 346, 123589.	7.5	0
1381	A novel humic acid-derived carbon/sulfite system for efficient elimination of pharmaceuticals: Performance, mechanism, toxicity evaluation, and application feasibility. Chemical Engineering Journal, 2024, 486, 149812.	12.7	0
1382	Features of the microalga Raphidocelis subcapitata: physiology and applications. Applied Microbiology and Biotechnology, 2024, 108, .	3.6	0
1383	Efficient activation of peroxymonosulfate for trichloroethylene degradation by cobalt ferrites anchored on CeO2 surfaces: Radical to non-radical pathway shift. Journal of Environmental Chemical Engineering, 2024, 12, 112280.	6.7	0
1384	The fate of pharmaceuticals and personal care products during composting of sewage sludge. Sustainable Chemistry and Pharmacy, 2024, 38, 101498.	3.3	0
1385	Critical perspective on the elimination of emerging contaminants from industrial wastewater via microbial electrochemical technologies. Clean - Soil, Air, Water, 0, , .	1.1	0
1386	Tetracyclines contamination in European aquatic environments: A comprehensive review of occurrence, fate, and removal techniques. Chemosphere, 2024, 353, 141519.	8.2	0
1387	Comprehensive Characterization of the Transformation of Wastewater Effluent via Advanced Oxidation Processes Using Nontarget Mass Spectrometric Analysis. ACS ES&T Water, 2024, 4, 1720-1729.	4.6	0
1388	Spinel ZnMn2O4 nanosphere for the efficient Sulfamethazine degradation under visible light irradiation and photoelectrochemical study. Journal of Environmental Chemical Engineering, 2024, 12, 112277.	6.7	0
1389	The in-situ generation of ClO <sup>•</sup> by single- and dual-atom catalysis of chloride ions to degrade sulfonamide antibiotics: A DFT study. Chemical Engineering Journal, 2024, 485, 149719.	12.7	0

#	ARTICLE	IF	CITATIONS
1390	Drought impact on pharmaceuticals in surface waters in Europe: Case study for the Rhine and Elbe basins. <i>Science of the Total Environment</i> , 2024, 922, 171186.	8.0	0
1391	Antibiotic Residues in UK Foods: Exploring the Exposure Pathways and Associated Health Risks. <i>Toxics</i> , 2024, 12, 174.	3.7	0
1392	Retention of Ciprofloxacin and Carbamazepine from Aqueous Solutions Using Chitosan-Based Cryostructured Composites. <i>Polymers</i> , 2024, 16, 639.	4.5	0
1393	3D printed cartridges for the removal of pharmaceuticals from water. <i>Talanta Open</i> , 2024, 9, 100299.	3.7	0
1394	Contamination of Aquatic Ecosystem with Pharmaceutical and Personal Care Micropollutants. , 2024, , 25-45.		0
1395	High resolution mass spectrometry-based screening for the comprehensive investigation of organic micropollutants in surface water and wastewater from Pasto city, Colombian Andean highlands. <i>Science of the Total Environment</i> , 2024, 922, 171293.	8.0	0
1396	The mechanism and reaction kinetics of visible light active bismuth oxide deposited on titanium vanadium oxide for aqueous diclofenac photocatalysis. <i>Environmental Science and Pollution Research</i> , 2024, 31, 23228-23246.	5.3	0
1397	A review on recent advances in photodegradation of tetracycline in aqueous media. <i>Journal of the Iranian Chemical Society</i> , 2024, 21, 887-902.	2.2	0
1398	Highlights in Interface of Wastewater Treatment by Utilizing Metal Organic Frameworks: Purification and Adsorption Kinetics. <i>Langmuir</i> , 2024, 40, 5040-5059.	3.5	0
1399	Efficient trimethoprim removal via cooperation of radical and non-radical pathways in UV/peroxymonosulfate: Kinetics, mechanisms and disinfection by-products-associated risks. <i>Journal of Environmental Chemical Engineering</i> , 2024, 12, 112368.	6.7	0
1400	Ecological and human health risk assessment of pharmaceutical compounds in the Sirsa River of Indian Himalayas. <i>Environmental Pollution</i> , 2024, 347, 123668.	7.5	0
1401	An overview about synthetic high charge micas and their uses. <i>Applied Clay Science</i> , 2024, 251, 107325.	5.2	0
1402	Bioinspired <i>Stevia rebaudiana</i> Green Zinc Oxide Nanoparticles for the Adsorptive Removal of Antibiotics from Water. <i>ACS Omega</i> , 0, , .	3.5	0
1404	Definitive Review of Nanobiochar. <i>ACS Omega</i> , 0, , .	3.5	0
1405	An assessment and characterization of pharmaceuticals and personal care products (PPCPs) within the Great Lakes Basin: Mussel Watch Program (2013â€“2018). <i>Environmental Monitoring and Assessment</i> , 2024, 196, .	2.7	0
1406	The Challenge Posed by Emerging Environmental Contaminants: An Assessment of the Effectiveness of Phenoxyethanol Biological Removal from Groundwater through Mesocosm Experiments. <i>Sustainability</i> , 2024, 16, 2183.	3.2	0
1407	Alginateâ€™Based Materials for Emerging Contaminants Uptake. , 2024, , .		0
1408	Chitosan and chitosan-based nanomaterials in decontamination of pharmaceutical waste. , 2024, , 153-180.		0

#	ARTICLE	IF	CITATIONS
1409	Pharmaceutical Residues in Edible Oysters along the Coasts of the East and South China Seas and Associated Health Risks to Humans and Wildlife. <i>Environmental Science &amp; Technology</i> , 2024, 58, 5512-5523.	10.0	0
1410	Remediation of imidacloprid and carbamazepine in polluted soil using TiO <sub>2</sub> with LED lamps. <i>Catalysis Today</i> , 2024, 432, 114653.	4.4	0
1411	Protecting the Last Line of Defense: Analytical Approaches for Sample Preparation and Determination of the Reserve Group of Antibiotics in the Environment. <i>Critical Reviews in Analytical Chemistry</i> , 0, , 1-19.	3.5	0
1412	Comparative Study on the Removal Efficiency of Clomazone and Amitriptyline via Adsorption and Photocatalysis in Aqueous Media: Kinetic Models and Toxicity Assessment. <i>Materials</i> , 2024, 17, 1369.	2.9	0
1413	Preliminary insights on the development of a continuous-flow solar system for the photocatalytic degradation of contaminants of emerging concern in water. <i>Environmental Science and Pollution Research</i> , 2024, 31, 26984-26996.	5.3	0
1414	Copper(II) phosphate as a promising catalyst for the degradation of ciprofloxacin via photo-assisted Fenton-like process. <i>Scientific Reports</i> , 2024, 14, .	3.3	0
1415	Genotoxicity and cytotoxicity of antineoplastic drugs at environmentally relevant concentrations after long-term exposure. <i>Toxicology Research</i> , 2024, 13, .	2.1	0
1416	Studies on the Application of PGM Nanocatalysts from Spent Automotive Converters for Degradation of Ibuprofen in Aqueous Solutions. <i>International Journal of Molecular Sciences</i> , 2024, 25, 3147.	4.1	0
1417	Recent Advances in Advanced Oxidation Processes for Degrading Pharmaceuticals in Wastewater—A Review. <i>Catalysts</i> , 2024, 14, 189.	3.5	0
1418	Maltodextrin-Based Cross-Linked Electrospun Mats as Sustainable Sorbents for the Removal of Atenolol from Water. <i>Polymers</i> , 2024, 16, 752.	4.5	0
1419	Selected widely prescribed pharmaceuticals: toxicity of the drugs and the products of their photochemical degradation to aquatic organisms. <i>Journal of Applied Biomedicine</i> , 2024, 22, 1-11.	1.7	0
1421	Phytotoxicity and genotoxicity assessment of organic and inorganic contaminants detected in pharmaceutical industrial wastewaters using <i>Vigna radiata</i> and <i>Allium cepa</i> . <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2024, 12, 76-92.	0.4	0
1422	Alternating water sources to minimize contaminant accumulation in food plants from treated wastewater irrigation. <i>Water Research</i> , 2024, 255, 121504.	11.3	0
1423	Adsorption of tetracycline by nitrogen-enriched biochar prepared at different pyrolysis temperatures: Considering the crucial role of nitrogen configuration. <i>Journal of Analytical and Applied Pyrolysis</i> , 2024, 179, 106482.	5.5	0
1424	Fabrication of chitosan/graphene oxide/TiO <sub>2</sub> (Ch/GO/TiO <sub>2</sub> ) nanocomposite film for photocatalytic degradation of acetaminophen. <i>AIP Conference Proceedings</i> , 2024, , .	0.4	0
1425	Surface Modification of <i>p</i> -type ZnO Nanorods by Nitrogen Doped SiO <sub>2</sub> Dots as an Efficient Solar Photocatalyst for Degradation of Ciprofloxacin in Water. <i>Advanced Sustainable Systems</i> , 0, , .	5.3	0
1426	Occurrence and fate of pharmaceutical pollutants in wastewater: Insights on ecotoxicity, health risk, and state-of-the-art removal. <i>Chemosphere</i> , 2024, 354, 141678.	8.2	0
1427	High-efficiency decontamination of pharmaceutical wastewater: Synergistic effects from NaCdF <sub>4</sub> :Tm,Yb@Mn-MOFs composite photocatalysts. <i>Catalysis Communications</i> , 2024, 187, 106912.	3.3	0