

Wen Liu

List of Publications by Year in descending order

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papers

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10389

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times ranked

11664
citing authors

#	ARTICLE	IF	CITATIONS
1	Constructing heterojunction interface of Co ₃ O ₄ /TiO ₂ for efficiently accelerating acetaminophen degradation via photocatalytic activation of sulfite. Chinese Chemical Letters, 2023, 34, 107530.	9.0	3
2	Tuning band structure of graphitic carbon nitride for efficient degradation of sulfamethazine: Atmospheric condition and theoretical calculation. Chinese Chemical Letters, 2022, 33, 1385-1389.	9.0	32
3	Type-II surface heterojunction of bismuth-rich Bi ₄ O ₅ Br ₂ on nitrogen-rich g-C ₃ N ₅ nanosheets for efficient photocatalytic degradation of antibiotics. Separation and Purification Technology, 2022, 280, 119772.	7.9	62
4	Visible-light degradation of antibiotics catalyzed by titania/zirconia/graphitic carbon nitride ternary nanocomposites: a combined experimental and theoretical study. Applied Catalysis B: Environmental, 2022, 300, 120633.	20.2	82
5	High-valent cobalt-oxo species triggers hydroxyl radical for collaborative environmental decontamination. Applied Catalysis B: Environmental, 2022, 300, 120722.	20.2	52
6	Tunable active sites on biogas digestate derived biochar for sulfanilamide degradation by peroxymonosulfate activation. Journal of Hazardous Materials, 2022, 421, 126794.	12.4	75
7	Visible light photocatalytic degradation of sulfanilamide enhanced by Mo doping of BiOBr nanoflowers. Journal of Hazardous Materials, 2022, 424, 127563.	12.4	104
8	Eliminating tetracycline antibiotics matrix via photoactivated sulfate radical-based advanced oxidation process over the immobilized MIL-88A: Batch and continuous experiments. Chemical Engineering Journal, 2022, 431, 133213.	12.7	39
9	Construction of Z-scheme Ag/AgVO ₃ /carbon-rich g-C ₃ N ₄ heterojunction for enhanced photocatalytic degradation of sulfamethiadiazole: DFT calculation and mechanism study. Chemical Engineering Journal, 2022, 433, 133604.	12.7	17
10	Activation of peracetic acid by metal-organic frameworks (ZIF-67) for efficient degradation of sulfachloropyridazine. Chinese Chemical Letters, 2022, 33, 3172-3176.	9.0	27
11	Synthetic solid oxide sorbents for CO ₂ capture: state-of-the art and future perspectives. Journal of Materials Chemistry A, 2022, 10, 1682-1705.	10.3	40
12	Accelerated Oxidation of Organic Micropollutants during Peracetic Acid Treatment in the Presence of Bromide Ions. ACS ES&T Water, 2022, 2, 320-328.	4.6	10
13	Application of Titanate Nanotubes for Photocatalytic Decontamination in Water: Challenges and Prospects. ACS ES&T Engineering, 2022, 2, 1015-1038.	7.6	24
14	Hydrogen atom abstraction mechanism for organic compound oxidation by acetylperoxyl radical in Co(II)/peracetic acid activation system. Water Research, 2022, 212, 118113.	11.3	44
15	Efficient ofloxacin degradation via photo-Fenton process over eco-friendly MIL-88A(Fe): Performance, degradation pathways, intermediate library establishment and toxicity evaluation. Environmental Research, 2022, 210, 112937.	7.5	25
16	Effect and Mechanism of Titanium Nanomaterials on Microbial Community Structure and Function in Sequencing Batch Reactor. ACS ES&T Water, 2022, 2, 395-404.	4.6	2
17	Interface Engineering of Co(OH) ₂ Nanosheets Growing on the KNbO ₃ Perovskite Based on Electronic Structure Modulation for Enhanced Peroxymonosulfate Activation. Environmental Science & Technology, 2022, 56, 5200-5212.	10.0	136
18	Efficient activation of ferrate(VI) by colloid manganese dioxide: Comprehensive elucidation of the surface-promoted mechanism. Water Research, 2022, 215, 118243.	11.3	46

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19	New insight into environmental photochemistry of PAHs induced by dissolved organic matters: A model of naphthalene in seawater. <i>Chemical Engineering Research and Design</i> , 2022, 161, 325-333.	5.6	7
20	Degradation of diclofenac in a photosensitization-like photocatalysis process using palladium quantum dots deposited graphite carbon nitride under solar light. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107545.	6.7	3
21	Concentrate and degrade PFOA with a photo-regenerable composite of In-doped TNTs@AC. <i>Chemosphere</i> , 2022, 300, 134495.	8.2	13
22	Insight into metal-free carbon catalysis in enhanced permanganate oxidation: Changeover from electron donor to electron mediator. <i>Water Research</i> , 2022, 219, 118626.	11.3	32
23	Effects of Molecular Structure on Organic Contaminantsâ€™ Degradation Efficiency and Dominant ROS in the Advanced Oxidation Process with Multiple ROS. <i>Environmental Science & Technology</i> , 2022, 56, 8784-8795.	10.0	161
24	Effective elimination of tetracycline antibiotics via photoactivated SR-AOP over vivianite: A new application approach of phosphorus recovery product from WWTP. <i>Chemical Engineering Journal</i> , 2022, 449, 137784.	12.7	39
25	Accurate identification of radicals by in-situ electron paramagnetic resonance in ultraviolet-based homogenous advanced oxidation processes. <i>Water Research</i> , 2022, 221, 118747.	11.3	176
26	Unraveling the Unique Role of Methyl Position on the Ring-Opening Barrier in Photocatalytic Decomposition of Xylene Isomers. <i>ACS Catalysis</i> , 2022, 12, 8363-8371.	11.2	8
27	Ferric oxide nanoclusters with low-spin FeIII anchored g-C3N4 rod for boosting photocatalytic activity and degradation of diclofenac in water under solar light. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121725.	20.2	35
28	Multifunctional sites on reduced graphene oxide synergistically improving the degradation of diclofenac in peroxydisulfate systems. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108251.	6.7	1
29	Immobilized N-C/Co derived from ZIF-67 as PS-AOP catalyst for effective tetracycline matrix elimination: From batch to continuous process. <i>Chemical Engineering Journal</i> , 2022, 450, 138082.	12.7	48
30	Vanadium trioxide mediated peroxymonosulfate for fast metronidazole oxidation: Stepwise oxidation of vanadium for donating electrons. <i>Separation and Purification Technology</i> , 2022, 298, 121595.	7.9	8
31	Activation of sulfite by single-atom Fe deposited graphitic carbon nitride for diclofenac removal: The synergetic effect of transition metal and photocatalysis. <i>Chemical Engineering Journal</i> , 2021, 407, 127167.	12.7	73
32	Bifunctional Bi12O17Cl2/MIL-100(Fe) composites toward photocatalytic Cr(VI) sequestration and activation of persulfate for bisphenol A degradation. <i>Science of the Total Environment</i> , 2021, 752, 141901.	8.0	175
33	Degradation of acetaminophen by activated peroxymonosulfate using Co(OH)2 hollow microsphere supported titanate nanotubes: Insights into sulfate radical production pathway through CoOH+ activation. <i>Chemical Engineering Journal</i> , 2021, 406, 126877.	12.7	169
34	Adsorptive removal of ciprofloxacin with different dissociated species onto titanate nanotubes. <i>Journal of Cleaner Production</i> , 2021, 278, 123924.	9.3	61
35	Simultaneous adsorption of uranium(VI) and 2-chlorophenol by activated carbon fiber supported/modified titanate nanotubes (TNTs/ACF): Effectiveness and synergistic effects. <i>Chemical Engineering Journal</i> , 2021, 406, 126752.	12.7	89
36	Insights into catalytic activation of peroxymonosulfate for carbamazepine degradation by MnO2 nanoparticles in-situ anchored titanate nanotubes: Mechanism, ecotoxicity and DFT study. <i>Journal of Hazardous Materials</i> , 2021, 402, 123779.	12.4	141

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37	High active amorphous Co(OH) ₂ nanocages as peroxydisulfate activator for boosting acetaminophen degradation and DFT calculation. <i>Chinese Chemical Letters</i> , 2021, 32, 1814-1818.	9.0	53
38	Activation of peroxydisulfate by V-Fe concentrate ore for enhanced degradation of carbamazepine: Surface V(III) and V(IV) as electron donors promoted the regeneration of Fe(II). <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119559.	20.2	128
39	A carbon-rich g-C ₃ N ₄ with promoted charge separation for highly efficient photocatalytic degradation of amoxicillin. <i>Chinese Chemical Letters</i> , 2021, 32, 2787-2791.	9.0	47
40	Silicate-Enhanced Heterogeneous Flow-Through Electro-Fenton System Using Iron Oxides under Nanoconfinement. <i>Environmental Science & Technology</i> , 2021, 55, 4045-4053.	10.0	192
41	Recent Progress of the Design and Engineering of Bismuth Oxyhalides for Photocatalytic Nitrogen Fixation. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000097.	5.8	14
42	Enhanced Oxidation of Organic Contaminants by Iron(II)-Activated Periodate: The Significance of High-Valent Iron "Oxo Species. <i>Environmental Science & Technology</i> , 2021, 55, 7634-7642.	10.0	208
43	Tunable Covalent Organic Frameworks with Different Heterocyclic Nitrogen Locations for Efficient Cr(VI) Reduction, <i>Escherichia coli</i> Disinfection, and Paracetamol Degradation under Visible-Light Irradiation. <i>Environmental Science & Technology</i> , 2021, 55, 5371-5381.	10.0	79
44	Uptake, excretion and toxicity of titanate nanotubes in three stains of free-living ciliates of the genus <i>Tetrahymena</i> . <i>Aquatic Toxicology</i> , 2021, 233, 105790.	4.0	7
45	A novel electrocatalytic filtration system with carbon nanotube supported nanoscale zerovalent copper toward ultrafast oxidation of organic pollutants. <i>Water Research</i> , 2021, 194, 116961.	11.3	123
46	Ternary TiO ₂ /WO ₃ /CQDs nanocomposites for enhanced photocatalytic mineralization of aqueous cephalexin: Degradation mechanism and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2021, 412, 128679.	12.7	40
47	Insights into the Electron-Transfer Mechanism of Permanganate Activation by Graphite for Enhanced Oxidation of Sulfamethoxazole. <i>Environmental Science & Technology</i> , 2021, 55, 9189-9198.	10.0	131
48	Surface modification of BiOBr/TiO ₂ by reduced AgBr for solar-driven PAHs degradation: Mechanism insight and application assessment. <i>Journal of Hazardous Materials</i> , 2021, 412, 125221.	12.4	58
49	The degradation pathways of carbamazepine in advanced oxidation process: A mini review coupled with DFT calculation. <i>Science of the Total Environment</i> , 2021, 779, 146498.	8.0	88
50	Atmospheric Humic-Like Substances (HULIS) Act as Ice Active Entities. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092443.	4.0	14
51	Different degradation mechanisms of carbamazepine and diclofenac by single-atom Barium embedded g-C ₃ N ₄ : the role of photosensitization-like mechanism. <i>Journal of Hazardous Materials</i> , 2021, 416, 125936.	12.4	43
52	Highly efficient AgBr/h-MoO ₃ with charge separation tuning for photocatalytic degradation of trimethoprim: Mechanism insight and toxicity assessment. <i>Science of the Total Environment</i> , 2021, 781, 146754.	8.0	38
53	Insights into the role of in-situ and ex-situ hydrogen peroxide for enhanced ferrate(VI) towards oxidation of organic contaminants. <i>Water Research</i> , 2021, 203, 117548.	11.3	72
54	Experimental evidences and theoretical calculations on phenanthrene degradation in a solar-light-driven photocatalysis system using silica aerogel supported TiO ₂ nanoparticles: Insights into reactive sites and energy evolution. <i>Chemical Engineering Journal</i> , 2021, 419, 129605.	12.7	56

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55	Insight into the synergetic effect of photocatalysis and transition metal on sulfite activation: Different mechanisms for carbamazepine and diclofenac degradation. <i>Science of the Total Environment</i> , 2021, 787, 147626.	8.0	21
56	Photocatalysis-activated SR-AOP over PDINH/MIL-88A(Fe) composites for boosted chloroquine phosphate degradation: Performance, mechanism, pathway and DFT calculations. <i>Applied Catalysis B: Environmental</i> , 2021, 293, 120229.	20.2	288
57	Oxygen defective titanate nanotubes induced by iron deposition for enhanced peroxymonosulfate activation and acetaminophen degradation: Mechanisms, water chemistry effects, and theoretical calculation. <i>Journal of Hazardous Materials</i> , 2021, 418, 126180.	12.4	33
58	Adsorption and solid-phase photocatalytic degradation of perfluorooctane sulfonate in water using gallium-doped carbon-modified titanate nanotubes. <i>Chemical Engineering Journal</i> , 2021, 421, 129676.	12.7	43
59	In situ produced hydrogen peroxide by biosynthesized Palladium nanoparticles and natural clay mineral for Highly-efficient Carbamazepine degradation. <i>Chemical Engineering Journal</i> , 2021, 426, 131567.	12.7	21
60	The Different Toxicity and Mechanism of Titanium Dioxide (TiO ₂) and Titanate Nanotubes (TNTs) on <i>Escherichia coli</i> . <i>Chemistry in the Environment</i> , 2021, , 507-522.	0.4	1
61	Correlation of Active Sites to Generated Reactive Species and Degradation Routes of Organics in Peroxymonosulfate Activation by Co-Loaded Carbon. <i>Environmental Science & Technology</i> , 2021, 55, 16163-16174.	10.0	189
62	Network-enabled MIMO systems with distributed data processing. <i>Journal of Supercomputing</i> , 2020, 76, 3402-3415.	3.6	1
63	Sorption of dispersed petroleum hydrocarbons by activated charcoals: Effects of oil dispersants. <i>Environmental Pollution</i> , 2020, 256, 113416.	7.5	23
64	Porous tube-like ZnS derived from rod-like ZIF-L for photocatalytic Cr(VI) reduction and organic pollutants degradation. <i>Environmental Pollution</i> , 2020, 256, 113417.	7.5	55
65	Carbon quantum dots modified tubular g-C ₃ N ₄ with enhanced photocatalytic activity for carbamazepine elimination: Mechanisms, degradation pathway and DFT calculation. <i>Journal of Hazardous Materials</i> , 2020, 381, 120957.	12.4	134
66	2D/1D graphitic carbon nitride/titanate nanotubes heterostructure for efficient photocatalysis of sulfamethazine under solar light: Catalytic "hot spots" at the rutile "anatase" titanate interfaces. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118357.	20.2	211
67	Magnetic Fe ₃ O ₄ -deposited flower-like MoS ₂ nanocomposites for the Fenton-like <i>Escherichia coli</i> disinfection and diclofenac degradation. <i>Journal of Hazardous Materials</i> , 2020, 385, 121604.	12.4	116
68	The synthesis strategies and photocatalytic performances of TiO ₂ /MOFs composites: A state-of-the-art review. <i>Chemical Engineering Journal</i> , 2020, 391, 123601.	12.7	155
69	Reductive immobilization of uranium by stabilized zero-valent iron nanoparticles: Effects of stabilizers, water chemistry and long-term stability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 604, 125315.	4.7	20
70	A concentrate-and-destroy technique for degradation of perfluorooctanoic acid in water using a new adsorptive photocatalyst. <i>Water Research</i> , 2020, 185, 116219.	11.3	87
71	Photocatalytic transformation fate and toxicity of ciprofloxacin related to dissociation species: Experimental and theoretical evidences. <i>Water Research</i> , 2020, 185, 116286.	11.3	99
72	Removal of 17 β -Estradiol by Activated Charcoal Supported Titanate Nanotubes (TNTs@AC) through Initial Adsorption and Subsequent Photo-Degradation: Intermediates, DFT calculation, and Mechanisms. <i>Water (Switzerland)</i> , 2020, 12, 2121.	2.7	9

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73	Insights into interactions of Cr(III) and organic matters during adsorption onto titanate nanotubes: Differential absorbance and DFT study. <i>Journal of Molecular Liquids</i> , 2020, 312, 113432.	4.9	13
74	Insights into heterogeneous catalytic activation of peroxymonosulfate by natural chalcopyrite: pH-dependent radical generation, degradation pathway and mechanism. <i>Chemical Engineering Journal</i> , 2020, 397, 125387.	12.7	157
75	AgI modified covalent organic frameworks for effective bacterial disinfection and organic pollutant degradation under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2020, 398, 122865.	12.4	73
76	Visible-Light-Driven Nitrogen Fixation Catalyzed by Bi ₅ O ₇ Br Nanostructures: Enhanced Performance by Oxygen Vacancies. <i>Journal of the American Chemical Society</i> , 2020, 142, 12430-12439.	13.7	260
77	Hydrogen bonding rather than cation bridging promotes graphene oxide attachment to lipid membranes in the presence of heavy metals. <i>Environmental Science: Nano</i> , 2020, 7, 2240-2251.	4.3	5
78	Pre-accumulation and in-situ destruction of diclofenac by a photo-regenerable activated carbon fiber supported titanate nanotubes composite material: Intermediates, DFT calculation, and ecotoxicity. <i>Journal of Hazardous Materials</i> , 2020, 400, 123225.	12.4	86
79	Cobalt/Peracetic Acid: Advanced Oxidation of Aromatic Organic Compounds by Acetylperoxyl Radicals. <i>Environmental Science & Technology</i> , 2020, 54, 5268-5278.	10.0	200
80	Immobilization of U(VI) by stabilized iron sulfide nanoparticles: Water chemistry effects, mechanisms, and long-term stability. <i>Chemical Engineering Journal</i> , 2020, 393, 124692.	12.7	52
81	Single-atom silver induced amorphization of hollow tubular g-C ₃ N ₄ for enhanced visible light-driven photocatalytic degradation of naproxen. <i>Science of the Total Environment</i> , 2020, 742, 140642.	8.0	34
82	Photocatalytic degradation of ofloxacin by perovskite-type NaNbO ₃ nanorods modified g-C ₃ N ₄ heterojunction under simulated solar light: Theoretical calculation, ofloxacin degradation pathways and toxicity evolution. <i>Chemical Engineering Journal</i> , 2020, 400, 125918.	12.7	110
83	Piezo-activation of peroxymonosulfate for benzothiazole removal in water. <i>Journal of Hazardous Materials</i> , 2020, 393, 122448.	12.4	102
84	Metagenomic insights into the profile of antibiotic resistomes in a large drinking water reservoir. <i>Environment International</i> , 2020, 136, 105449.	10.0	65
85	Radical attack and mineralization mechanisms on electrochemical oxidation of p-substituted phenols at boron-doped diamond anodes. <i>Chemosphere</i> , 2020, 248, 126033.	8.2	22
86	Efficient adsorption of europium (III) and uranium (VI) by titanate nanorings: Insights into radioactive metal species. <i>Environmental Science and Ecotechnology</i> , 2020, 2, 100031.	13.5	20
87	Enhanced activation of molecular oxygen and degradation of tetracycline over Cu-S ₄ atomic clusters. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118966.	20.2	97
88	In-situ construction of Co(OH) ₂ nanoparticles decorated urchin-like WO ₃ for highly efficient degradation of sulfachloropyridazine via peroxymonosulfate activation: Intermediates and DFT calculation. <i>Chemical Engineering Journal</i> , 2020, 395, 125186.	12.7	70
89	Superior removal of inorganic and organic arsenic pollutants from water with MIL-88A(Fe) decorated on cotton fibers. <i>Chemosphere</i> , 2020, 254, 126829.	8.2	93
90	Synchronous degradation of aqueous benzotriazole and bromate reduction in catalytic ozonation: Effect of matrix factor, degradation mechanism and application strategy in water treatment. <i>Science of the Total Environment</i> , 2020, 727, 138696.	8.0	13

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91	Novel CuCo ₂ O ₄ Composite Spinel with a Meso-Macroporous Nanosheet Structure for Sulfate Radical Formation and Benzophenone-4 Degradation: Interface Reaction, Degradation Pathway, and DFT Calculation. ACS Applied Materials & Interfaces, 2020, 12, 20522-20535.	8.0	83
92	Hepatitis B virus infection status is not associated with poor prognosis in classical Hodgkin lymphoma patients. Neoplasma, 2020, 67, 203-208.	1.6	0
93	Co-adsorption of ciprofloxacin and Cu(II) onto titanate nanotubes: Speciation variation and metal-organic complexation. Journal of Molecular Liquids, 2019, 292, 111375.	4.9	23
94	Highly active WO ₃ @anatase-SiO ₂ aerogel for solar-light-driven phenanthrene degradation: Mechanism insight and toxicity assessment. Water Research, 2019, 162, 369-382.	11.3	225
95	Efficient activation of peroxymonosulfate by hollow cobalt hydroxide for degradation of ibuprofen and theoretical study. Chinese Chemical Letters, 2019, 30, 2191-2195.	9.0	110
96	Advanced Oxidation Process with Peracetic Acid and Fe(II) for Contaminant Degradation. Environmental Science & Technology, 2019, 53, 13312-13322.	10.0	294
97	A PROSPECTIVE PHASE II STUDY OF PEGASPARGASE-COEP PLUS RADIOTHERAPY IN PATIENTS WITH NEWLY DIAGNOSED EXTRA-NODAL NK/T-CELL LYMPHOMA. Hematological Oncology, 2019, 37, 273-273.	1.7	0
98	Role of sludge retention time in mitigation of nitrous oxide emission from a pilot-scale oxidation ditch. Bioresource Technology, 2019, 292, 121961.	9.6	22
99	Cr(III) Adsorption by Cluster Formation on Boehmite Nanoplates in Highly Alkaline Solution. Environmental Science & Technology, 2019, 53, 11043-11055.	10.0	42
100	Fabrication of niobium doped titanate nanoflakes with enhanced visible-light-driven photocatalytic activity for efficient ibuprofen degradation. Chinese Chemical Letters, 2019, 30, 2177-2180.	9.0	35
101	The effects of graphene oxide on nitrification and N ₂ O emission: Dose and exposure time dependent. Environmental Pollution, 2019, 252, 960-966.	7.5	18
102	Reductive immobilization and long-term remobilization of radioactive pertechnetate using bio-macromolecules stabilized zero valent iron nanoparticles. Chinese Chemical Letters, 2019, 30, 2163-2168.	9.0	43
103	Graphene modified anatase/titanate nanosheets with enhanced photocatalytic activity for efficient degradation of sulfamethazine under simulated solar light. Chemosphere, 2019, 233, 198-206.	8.2	60
104	Carbon nanotubes affect the formation of trihalomethanes during chlorination of bisphenol A. Chemical Engineering Journal, 2019, 370, 337-345.	12.7	3
105	Photocatalytic degradation of amoxicillin by carbon quantum dots modified K ₂ Ti ₆ O ₁₃ nanotubes: Effect of light wavelength. Chinese Chemical Letters, 2019, 30, 1214-1218.	9.0	120
106	Simultaneous Cr(VI) reduction and Cr(III) removal of bifunctional MOF/Titanate nanotube composites. Environmental Pollution, 2019, 249, 502-511.	7.5	97
107	Different mechanisms for E. coli disinfection and BPA degradation by CeO ₂ -AgI under visible light irradiation. Chemical Engineering Journal, 2019, 371, 750-758.	12.7	64
108	Efficient removal of dyes from dyeing wastewater by powder activated charcoal/titanate nanotube nanocomposites: adsorption and photoregeneration. Environmental Science and Pollution Research, 2019, 26, 10263-10273.	5.3	28

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109	Influences of isolated fractions of natural organic matter on adsorption of Cu(II) by titanate nanotubes. <i>Science of the Total Environment</i> , 2019, 650, 1412-1418.	8.0	27
110	N ₂ O and NO emission from a biological aerated filter treating coking wastewater: Main source and microbial community. <i>Journal of Cleaner Production</i> , 2019, 213, 365-374.	9.3	74
111	Visible-light-driven photocatalytic degradation of diclofenac by carbon quantum dots modified porous g-C ₃ N ₄ : Mechanisms, degradation pathway and DFT calculation. <i>Water Research</i> , 2019, 151, 8-19.	11.3	520
112	Enhanced immobilization of U(VI) using a new type of FeS-modified FeO core-shell particles. <i>Chemical Engineering Journal</i> , 2019, 359, 1617-1628.	12.7	60
113	Sequestration of pertechnetate using carboxymethyl cellulose stabilized FeS nanoparticles: Effectiveness and mechanisms. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 561, 373-380.	4.7	22
114	Synergistic adsorption of Cu(II) and photocatalytic degradation of phenanthrene by a jaboticaba-like TiO ₂ /titanate nanotube composite: An experimental and theoretical study. <i>Chemical Engineering Journal</i> , 2019, 358, 1155-1165.	12.7	97
115	Photocatalytic removal of diclofenac by Ti doped BiOI microspheres under visible light irradiation: Kinetics, mechanism, and pathways. <i>Journal of Molecular Liquids</i> , 2019, 275, 807-814.	4.9	50
116	Immobilization of uranium(VI) by niobate/titanate nanoflakes heterojunction through combined adsorption and solar-light-driven photocatalytic reduction. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 11-22.	20.2	128
117	Dominant role of ammonia-oxidizing bacteria in nitrification due to ammonia accumulation in sediments of Danjiangkou reservoir, China. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3399-3410.	3.6	30
118	Role of extracellular polymeric substances in biosorption of Pb ²⁺ by a high metal ion tolerant fungal strain <i>Aspergillus niger</i> PTN31. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2733-2742.	6.7	34
119	Biosynthesis of palladium nanoparticles using <i>Shewanella loihica</i> PV-4 for excellent catalytic reduction of chromium(VI). <i>Environmental Science: Nano</i> , 2018, 5, 730-739.	4.3	64
120	Sea-Buckthorn-Like MnO ₂ Decorated Titanate Nanotubes with Oxidation Property and Photocatalytic Activity for Enhanced Degradation of 17 β -Estradiol under Solar Light. <i>ACS Applied Energy Materials</i> , 2018, 1, 2123-2133.	5.1	34
121	Facile synthesis of magnetic Fe ₃ O ₄ @BiOI@AgI for water decontamination with visible light irradiation: Different mechanisms for different organic pollutants degradation and bacterial disinfection. <i>Water Research</i> , 2018, 137, 120-129.	11.3	117
122	Application of nanotechnologies for removing pharmaceutically active compounds from water: development and future trends. <i>Environmental Science: Nano</i> , 2018, 5, 27-47.	4.3	211
123	Study of residual oil in Bay Jimmy sediment 5 years after the Deepwater Horizon oil spill: Persistence of sediment retained oil hydrocarbons and effect of dispersants on desorption. <i>Science of the Total Environment</i> , 2018, 618, 1244-1253.	8.0	46
124	Photocatalysis of bisphenol A by an easy-settling titania/titanate composite: Effects of water chemistry factors, degradation pathway and theoretical calculation. <i>Environmental Pollution</i> , 2018, 232, 580-590.	7.5	116
125	Mesoporous MgO promoted with NaNO ₃ /NaNO ₂ for rapid and high-capacity CO ₂ capture at moderate temperatures. <i>Chemical Engineering Journal</i> , 2018, 332, 216-226.	12.7	88
126	Hydrothermal synthesis of graphene grafted titania/titanate nanosheets for photocatalytic degradation of 4-chlorophenol: Solar-light-driven photocatalytic activity and computational chemistry analysis. <i>Chemical Engineering Journal</i> , 2018, 331, 685-694.	12.7	75

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127	Reduction of nitrobenzene in aqueous and soil phases using carboxymethyl cellulose stabilized zero-valent iron nanoparticles. <i>Chemical Engineering Journal</i> , 2018, 332, 227-236.	12.7	48
128	Photocatalytic degradation of phenanthrene by graphite oxide-TiO ₂ -Sr(OH) ₂ /SrCO ₃ nanocomposite under solar irradiation: Effects of water quality parameters and predictive modeling. <i>Chemical Engineering Journal</i> , 2018, 335, 290-300.	12.7	87
129	Newly designed primer pair revealed dominant and diverse comammox amoA gene in full-scale wastewater treatment plants. <i>Bioresource Technology</i> , 2018, 270, 580-587.	9.6	107
130	Oxidation of amino acids by peracetic acid: Reaction kinetics, pathways and theoretical calculations. <i>Water Research X</i> , 2018, 1, 100002.	6.1	75
131	Facile synthesis of ZrO ₂ coated BiOCl _{0.5} IO _{0.5} for photocatalytic oxidation-adsorption of As(III) under visible light irradiation. <i>Chemosphere</i> , 2018, 211, 934-942.	8.2	16
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