

Wen Liu

List of Publications by Year in descending order

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229
papers

15,768
citations

10351

72
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116
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232
docs citations

232
times ranked

11664
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoporous Anatase TiO ₂ Mesocrystals: Additive-Free Synthesis, Remarkable Crystalline-Phase Stability, and Improved Lithium Insertion Behavior. <i>Journal of the American Chemical Society</i> , 2011, 133, 933-940.	6.6	598
2	An overview of preparation and applications of stabilized zero-valent iron nanoparticles for soil and groundwater remediation. <i>Water Research</i> , 2016, 100, 245-266.	5.3	530
3	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.	5.3	520
4	Synthesis and Electrochemical Studies of Spinel Phase LiMn ₂ O ₄ Cathode Materials Prepared by the Pechini Process. <i>Journal of the Electrochemical Society</i> , 1996, 143, 879-884.	1.3	369
5	Advanced Oxidation Process with Peracetic Acid and Fe(II) for Contaminant Degradation. <i>Environmental Science & Technology</i> , 2019, 53, 13312-13322.	4.6	294
6	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.	10.8	288
7	Introducing Fe ²⁺ into Nickel-Iron Layered Double Hydroxide: Local Structure Modulated Water Oxidation Activity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9392-9396.	7.2	284
8	Influence of pH, ionic strength and humic acid on competitive adsorption of Pb(II), Cd(II) and Cr(III) onto titanate nanotubes. <i>Chemical Engineering Journal</i> , 2013, 215-216, 366-374.	6.6	273
9	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.	6.6	260
10	Synergy of photocatalysis and adsorption for simultaneous removal of Cr(VI) and Cr(III) with TiO ₂ and titanate nanotubes. <i>Water Research</i> , 2014, 53, 12-25.	5.3	252
11	Adsorption of Pb ²⁺ , Cd ²⁺ , Cu ²⁺ and Cr ³⁺ onto titanate nanotubes: Competition and effect of inorganic ions. <i>Science of the Total Environment</i> , 2013, 456-457, 171-180.	3.9	232
12	Highly active WO ₃ @anatase-SiO ₂ aerogel for solar-light-driven phenanthrene degradation: Mechanism insight and toxicity assessment. <i>Water Research</i> , 2019, 162, 369-382.	5.3	225
13	Application of nanotechnologies for removing pharmaceutically active compounds from water: development and future trends. <i>Environmental Science: Nano</i> , 2018, 5, 27-47.	2.2	211
14	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.	10.8	211
15	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.	4.6	208
16	Cobalt/Peracetic Acid: Advanced Oxidation of Aromatic Organic Compounds by Acetylperoxyl Radicals. <i>Environmental Science & Technology</i> , 2020, 54, 5268-5278.	4.6	200
17	Silicate-Enhanced Heterogeneous Flow-Through Electro-Fenton System Using Iron Oxides under Nanoconfinement. <i>Environmental Science & Technology</i> , 2021, 55, 4045-4053.	4.6	192
18	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.	4.6	189

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19	Mechanism of the Electrochemical Insertion of Lithium into LiMn_2O_4 Spinel. <i>Journal of the Electrochemical Society</i> , 1998, 145, 459-465.	1.3	188
20	Accurate identification of radicals by in-situ electron paramagnetic resonance in ultraviolet-based homogenous advanced oxidation processes. <i>Water Research</i> , 2022, 221, 118747.	5.3	176
21	Bifunctional $\text{Bi}_2\text{O}_3/\text{MIL-100}(\text{Fe})$ composites toward photocatalytic $\text{Cr}(\text{VI})$ sequestration and activation of persulfate for bisphenol A degradation. <i>Science of the Total Environment</i> , 2021, 752, 141901.	3.9	175
22	An overview of nanomaterials applied for removing dyes from wastewater. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15882-15904.	2.7	172
23	Degradation of acetaminophen by activated peroxydisulfate using $\text{Co}(\text{OH})_2$ hollow microsphere supported titanate nanotubes: Insights into sulfate radical production pathway through CoOH^+ activation. <i>Chemical Engineering Journal</i> , 2021, 406, 126877.	6.6	169
24	Effects of Molecular Structure on Organic Contaminants' Degradation Efficiency and Dominant ROS in the Advanced Oxidation Process with Multiple ROS. <i>Environmental Science & Technology</i> , 2022, 56, 8784-8795.	4.6	161
25	Insights into heterogeneous catalytic activation of peroxydisulfate by natural chalcopyrite: pH-dependent radical generation, degradation pathway and mechanism. <i>Chemical Engineering Journal</i> , 2020, 397, 125387.	6.6	157
26	Adsorption of $\text{U}(\text{VI})$ by multilayer titanate nanotubes: Effects of inorganic cations, carbonate and natural organic matter. <i>Chemical Engineering Journal</i> , 2016, 286, 427-435.	6.6	156
27	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.	6.6	155
28	Insights into catalytic activation of peroxydisulfate for carbamazepine degradation by MnO_2 nanoparticles in-situ anchored titanate nanotubes: Mechanism, ecotoxicity and DFT study. <i>Journal of Hazardous Materials</i> , 2021, 402, 123779.	6.5	141
29	Interface Engineering of $\text{Co}(\text{OH})_2$ Nanosheets Growing on the KNbO_3 Perovskite Based on Electronic Structure Modulation for Enhanced Peroxydisulfate Activation. <i>Environmental Science & Technology</i> , 2022, 56, 5200-5212.	4.6	136
30	Carbon quantum dots modified tubular $\text{g-C}_3\text{N}_4$ with enhanced photocatalytic activity for carbamazepine elimination: Mechanisms, degradation pathway and DFT calculation. <i>Journal of Hazardous Materials</i> , 2020, 381, 120957.	6.5	134
31	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.	4.6	131
32	Ultrastrong, Stiff and Multifunctional Carbon Nanotube Composites. <i>Materials Research Letters</i> , 2013, 1, 19-25.	4.1	130
33	A new type of cobalt-deposited titanate nanotubes for enhanced photocatalytic degradation of phenanthrene. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 134-143.	10.8	128
34	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.	10.8	128
35	Activation of peroxydisulfate by V-Fe concentrate ore for enhanced degradation of carbamazepine: Surface $\text{V}(\text{III})$ and $\text{V}(\text{IV})$ as electron donors promoted the regeneration of $\text{Fe}(\text{II})$. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119559.	10.8	128
36	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.	5.3	123

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37	Photocatalytic degradation of amoxicillin by carbon quantum dots modified K ₂ Ti ₆ O ₁₃ nanotubes: Effect of light wavelength. <i>Chinese Chemical Letters</i> , 2019, 30, 1214-1218.	4.8	120
38	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.	5.3	117
39	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.	3.7	116
40	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.	6.5	116
41	Highly efficient adsorption of Cr(VI) from aqueous solutions by amino-functionalized titanate nanotubes. <i>Chemical Engineering Journal</i> , 2013, 225, 153-163.	6.6	112
42	Efficient activation of peroxymonosulfate by hollow cobalt hydroxide for degradation of ibuprofen and theoretical study. <i>Chinese Chemical Letters</i> , 2019, 30, 2191-2195.	4.8	110
43	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.	6.6	110
44	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.	4.8	107
45	Visible light photocatalytic degradation of sulfanilamide enhanced by Mo doping of BiOBr nanoflowers. <i>Journal of Hazardous Materials</i> , 2022, 424, 127563.	6.5	104
46	Piezo-activation of peroxymonosulfate for benzothiazole removal in water. <i>Journal of Hazardous Materials</i> , 2020, 393, 122448.	6.5	102
47	Photocatalytic transformation fate and toxicity of ciprofloxacin related to dissociation species: Experimental and theoretical evidences. <i>Water Research</i> , 2020, 185, 116286.	5.3	99
48	Simultaneous Cr(VI) reduction and Cr(III) removal of bifunctional MOF/Titanate nanotube composites. <i>Environmental Pollution</i> , 2019, 249, 502-511.	3.7	97
49	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.	6.6	97
50	Enhanced activation of molecular oxygen and degradation of tetracycline over Cu-S ₄ atomic clusters. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118966.	10.8	97
51	Electrochemical Characteristics of Spinel Phase LiMn ₂ O ₄ -Based Cathode Materials Prepared by the Pechini Process: Influence of Firing Temperature and Dopants. <i>Journal of the Electrochemical Society</i> , 1996, 143, 3590-3596.	1.3	95
52	Adsorption of Pb(II), Cd(II) and Zn(II) by extracellular polymeric substances extracted from aerobic granular sludge: Efficiency of protein. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1223-1232.	3.3	95
53	Adsorption mechanisms of thallium(I) and thallium(III) by titanate nanotubes: Ion-exchange and co-precipitation. <i>Journal of Colloid and Interface Science</i> , 2014, 423, 67-75.	5.0	94
54	Adsorption and desorption of Cd(II) onto titanate nanotubes and efficient regeneration of tubular structures. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 379-386.	6.5	93

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55	Superior removal of inorganic and organic arsenic pollutants from water with MIL-88A(Fe) decorated on cotton fibers. <i>Chemosphere</i> , 2020, 254, 126829.	4.2	93
56	Simultaneous removal of Cr(VI) and 4-chlorophenol through photocatalysis by a novel anatase/titanate nanosheet composite: Synergetic promotion effect and autosynchronous doping. <i>Journal of Hazardous Materials</i> , 2016, 317, 385-393.	6.5	92
57	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.	6.6	89
58	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.	6.6	88
59	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.	3.9	88
60	Comparison on aggregation and sedimentation of titanium dioxide, titanate nanotubes and titanate nanotubes-TiO ₂ : Influence of pH, ionic strength and natural organic matter. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 434, 319-328.	2.3	87
61	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.	6.6	87
62	A concentrate-and-destroy technique for degradation of perfluorooctanoic acid in water using a new adsorptive photocatalyst. <i>Water Research</i> , 2020, 185, 116219.	5.3	87
63	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.	6.5	86
64	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. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20522-20535.	4.0	83
65	Visible-light degradation of antibiotics catalyzed by titania/zirconia/graphitic carbon nitride ternary nanocomposites: a combined experimental and theoretical study. <i>Applied Catalysis B: Environmental</i> , 2022, 300, 120633.	10.8	82
66	Adsorption of Cu(II) and Cd(II) on titanate nanomaterials synthesized via hydrothermal method under different NaOH concentrations: Role of sodium content. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 452, 138-147.	2.3	80
67	High-Capacity and Photoregenerable Composite Material for Efficient Adsorption and Degradation of Phenanthrene in Water. <i>Environmental Science & Technology</i> , 2016, 50, 11174-11183.	4.6	79
68	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.	4.6	79
69	Application of Stabilized Nanoparticles for In Situ Remediation of Metal-Contaminated Soil and Groundwater: a Critical Review. <i>Current Pollution Reports</i> , 2015, 1, 280-291.	3.1	78
70	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.	6.6	75
71	Oxidation of amino acids by peracetic acid: Reaction kinetics, pathways and theoretical calculations. <i>Water Research X</i> , 2018, 1, 100002.	2.8	75
72	Tunable active sites on biogas digestate derived biochar for sulfanilamide degradation by peroxymonosulfate activation. <i>Journal of Hazardous Materials</i> , 2022, 421, 126794.	6.5	75

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73	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.	4.6	74
74	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.	6.5	73
75	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.	6.6	73
76	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.	5.3	72
77	Selective and irreversible adsorption of mercury(^{II}) from aqueous solution by a flower-like titanate nanomaterial. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17676-17684.	5.2	71
78	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.	6.6	70
79	Removal of coexisting Cr(VI) and 4-chlorophenol through reduction and Fenton reaction in a single system. <i>Chemical Engineering Journal</i> , 2014, 248, 89-97.	6.6	66
80	Occurrence and Fate of Antibiotics in the Aqueous Environment and Their Removal by Constructed Wetlands in China: A review. <i>Pedosphere</i> , 2017, 27, 42-51.	2.1	65
81	Metagenomic insights into the profile of antibiotic resistomes in a large drinking water reservoir. <i>Environment International</i> , 2020, 136, 105449.	4.8	65
82	The mechanics of PLGA nanofiber scaffolds with biomimetic gradients in mineral for tendon-to-bone repair. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 40, 59-68.	1.5	64
83	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.	2.2	64
84	Different mechanisms for E. coli disinfection and BPA degradation by CeO ₂ -AgI under visible light irradiation. <i>Chemical Engineering Journal</i> , 2019, 371, 750-758.	6.6	64
85	Natural organic matter resistant powder activated charcoal supported titanate nanotubes for adsorption of Pb(II). <i>Chemical Engineering Journal</i> , 2017, 315, 191-200.	6.6	63
86	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. <i>Separation and Purification Technology</i> , 2022, 280, 119772.	3.9	62
87	Adsorptive removal of ciprofloxacin with different dissociated species onto titanate nanotubes. <i>Journal of Cleaner Production</i> , 2021, 278, 123924.	4.6	61
88	Can we reach very high intensity in air with femtosecond PW laser pulses?. <i>Laser Physics</i> , 2009, 19, 1776-1792.	0.6	60
89	Dual-Enhanced Photocatalytic Activity of Fe-Deposited Titanate Nanotubes Used for Simultaneous Removal of As(III) and As(V). <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19726-19735.	4.0	60
90	Graphene modified anatase/titanate nanosheets with enhanced photocatalytic activity for efficient degradation of sulfamethazine under simulated solar light. <i>Chemosphere</i> , 2019, 233, 198-206.	4.2	60

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91	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.	6.6	60
92	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.	6.5	58
93	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.	6.6	56
94	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.	3.7	55
95	High active amorphous Co(OH) ₂ nanocages as peroxymonosulfate activator for boosting acetaminophen degradation and DFT calculation. <i>Chinese Chemical Letters</i> , 2021, 32, 1814-1818.	4.8	53
96	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.	6.6	52
97	High-valent cobalt-oxo species triggers hydroxyl radical for collaborative environmental decontamination. <i>Applied Catalysis B: Environmental</i> , 2022, 300, 120722.	10.8	52
98	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.	2.3	50
99	Investigation on Proton Conductivity of La ₂ Ce ₂ O ₇ in Wet Atmosphere: Dependence on Water Vapor Partial Pressure. <i>Fuel Cells</i> , 2012, 12, 457-463.	1.5	49
100	Degradation of petroleum hydrocarbons in seawater by simulated surface-level atmospheric ozone: Reaction kinetics and effect of oil dispersant. <i>Marine Pollution Bulletin</i> , 2018, 135, 427-440.	2.3	49
101	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.	6.6	48
102	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.	6.6	48
103	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.	4.8	47
104	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.	3.9	46
105	Efficient activation of ferrate(VI) by colloid manganese dioxide: Comprehensive elucidation of the surface-promoted mechanism. <i>Water Research</i> , 2022, 215, 118243.	5.3	46
106	Catalytic hydrodechlorination of triclosan using a new class of anion-exchange-resin supported palladium catalysts. <i>Water Research</i> , 2017, 120, 199-210.	5.3	45
107	Effects of oil dispersants on settling of marine sediment particles and particle-facilitated distribution and transport of oil components. <i>Marine Pollution Bulletin</i> , 2017, 114, 408-418.	2.3	44
108	A new type of activated carbon fibre supported titanate nanotubes for high-capacity adsorption and degradation of methylene blue. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 605-614.	2.3	44

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109	Hydrogen atom abstraction mechanism for organic compound oxidation by acetylperoxyl radical in Co(II)/peracetic acid activation system. <i>Water Research</i> , 2022, 212, 118113.	5.3	44
110	Reductive immobilization and long-term remobilization of radioactive pertechnetate using bio-macromolecules stabilized zero valent iron nanoparticles. <i>Chinese Chemical Letters</i> , 2019, 30, 2163-2168.	4.8	43
111	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.	6.5	43
112	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.	6.6	43
113	Arsenate adsorption onto Fe-TNTs prepared by a novel water-ethanol hydrothermal method: Mechanism and synergistic effect. <i>Journal of Colloid and Interface Science</i> , 2015, 440, 253-262.	5.0	42
114	Cr(III) Adsorption by Cluster Formation on Boehmite Nanoplates in Highly Alkaline Solution. <i>Environmental Science & Technology</i> , 2019, 53, 11043-11055.	4.6	42
115	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.	6.6	40
116	Synthetic solid oxide sorbents for CO ₂ capture: state-of-the art and future perspectives. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1682-1705.	5.2	40
117	Dispersion, sorption and photodegradation of petroleum hydrocarbons in dispersant-seawater-sediment systems. <i>Marine Pollution Bulletin</i> , 2016, 109, 526-538.	2.3	39
118	Eliminating tetracycline antibiotics matrix via photoactivated sulfate radical-based advanced oxidation process over the immobilized MIL-88A: Batch and continuous experiments. <i>Chemical Engineering Journal</i> , 2022, 431, 133213.	6.6	39
119	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.	6.6	39
120	Application of Discrete Element Method for Continuum Dynamic Problems. <i>Archive of Applied Mechanics</i> , 2006, 76, 229-243.	1.2	38
121	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.	3.9	38
122	Mutual promotion mechanism for adsorption of coexisting Cr(III) and Cr(VI) onto titanate nanotubes. <i>Chemical Engineering Journal</i> , 2013, 232, 228-236.	6.6	37
123	Capillary Rise of Liquids over a Microstructured Solid Surface. <i>Langmuir</i> , 2011, 27, 14260-14266.	1.6	36
124	Absorption of Cr(VI) onto amino-modified titanate nanotubes using 2-Bromoethylamine hydrobromide through SN ₂ reaction. <i>Journal of Colloid and Interface Science</i> , 2013, 401, 133-140.	5.0	36
125	Transformation of halobenzoquinones with the presence of amino acids in water: Products, pathways and toxicity. <i>Water Research</i> , 2017, 122, 299-307.	5.3	36
126	Reusable Platinum-Deposited Anatase/Hexa-Titanate Nanotubes: Roles of Reduced and Oxidized Platinum on Enhanced Solar-Light-Driven Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 547-555.	3.2	35

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127	Fabrication of niobium doped titanate nanoflakes with enhanced visible-light-driven photocatalytic activity for efficient ibuprofen degradation. <i>Chinese Chemical Letters</i> , 2019, 30, 2177-2180.	4.8	35
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