

Junfeng Niu

List of Publications by Year in descending order

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237
papers

13,852
citations

19608

61
h-index

30010

103
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242
all docs

242
docs citations

242
times ranked

13258
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfur-modified chitosan derived N,S-co-doped carbon as a bifunctional material for adsorption and catalytic degradation sulfamethoxazole by persulfate. <i>Journal of Hazardous Materials</i> , 2022, 424, 127270.	6.5	70
2	Electrochemical decomposition of PPCPs on hydrophobic Ti/SnO ₂ -Sb/La-PbO ₂ anodes: Relationship between surface hydrophobicity and decomposition performance. <i>Chemical Engineering Journal</i> , 2022, 429, 132309.	6.6	51
3	Enhanced visible-light-driven photocatalytic degradation of tetracycline by 16% Er ³⁺ -Bi ₂ WO ₆ photocatalyst. <i>Journal of Hazardous Materials</i> , 2022, 422, 126920.	6.5	43
4	Photodegradation of acebutolol in natural waters: Important roles of carbonate radical and hydroxyl radical. <i>Chemosphere</i> , 2022, 287, 132318.	4.2	11
5	Photodegradation of three antidepressants in natural waters: Important roles of dissolved organic matter and nitrate. <i>Science of the Total Environment</i> , 2022, 802, 149825.	3.9	19
6	Micelles inhibit electro-oxidation degradation of nonylphenol ethoxylates. <i>Chemical Engineering Journal</i> , 2022, 430, 133167.	6.6	3
7	Synchronous mineralization of three aqueous non-steroidal anti-inflammatory drugs in electrochemical advanced oxidation process. <i>Chinese Chemical Letters</i> , 2022, 33, 3701-3704.	4.8	12
8	Self-template bagasse-based porous carbons for high performance supercapacitors. <i>Industrial Crops and Products</i> , 2022, 176, 114291.	2.5	13
9	Degradation of florfenicol in a flow-through electro-Fenton system enhanced by wood-derived block carbon (WBC) cathode. <i>Chinese Chemical Letters</i> , 2022, 33, 4740-4745.	4.8	10
10	Construction of Fe ²⁺ /Fe ³⁺ cycle system at dual-defective carbon nitride interfaces for photogenerated electron utilization. <i>Separation and Purification Technology</i> , 2022, 285, 120357.	3.9	6
11	Insights into mechanism of Fe-dominated active sites via phosphorus bridging in Fe-Ni bimetal single atom photocatalysts. <i>Separation and Purification Technology</i> , 2022, 286, 120443.	3.9	23
12	Formation of stable imine intermediates in the coexistence of sulfamethoxazole and humic acid by electrochemical oxidation. <i>Journal of Hazardous Materials</i> , 2022, 427, 128166.	6.5	12
13	Electro-oxidation of Ni (II)-citrate complexes at BDD electrode and simultaneous recovery of metallic nickel by electrodeposition. <i>Journal of Environmental Sciences</i> , 2022, 116, 103-113.	3.2	24
14	Ultralong-lifetime Ti/RuO ₂ @IrO ₂ /Pt anodes with a strong metal-support interaction for efficient electrochemical mineralization of perfluorooctanoic acid. <i>Nanoscale</i> , 2022, 14, 3579-3588.	2.8	15
15	Understanding of the Dual Roles of Phosphorus in Atomically Distributed Fe/Co-N ₄ P ₂ over Carbon Nitride for Photocatalytic Debromination from Tetrabromobisphenol A. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5376-5383.	4.0	11
16	Synergistic effects on d-band center via coordination sites of M-N ₃ P ₁ (M = Co and Ni) in dual single atoms that enhances photocatalytic dechlorination from tetrachlorobisphenol A. <i>Journal of Hazardous Materials</i> , 2022, 430, 128419.	6.5	26
17	Photodegradation of propranolol in surface waters: An important role of carbonate radical and enhancing toxicity phenomenon. <i>Chemosphere</i> , 2022, 297, 134106.	4.2	5
18	Controlled synthesis of water-soluble Pt nanoclusters and their co-catalysis with RuO ₂ @IrO ₂ for electrochemical degradation of tetracycline. <i>Separation and Purification Technology</i> , 2022, 295, 121323.	3.9	15

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19	Efficient hydrogenation of p-chlorophenol and Cr(VI) driven by hydrogen rich balls over Pd/C catalysts. <i>Journal of Hazardous Materials</i> , 2022, 437, 129434.	6.5	5
20	Synergistic enhancement of piezocatalysis and electrochemical oxidation for the degradation of ciprofloxacin by PbO ₂ intercalation material. <i>Separation and Purification Technology</i> , 2022, 297, 121528.	3.9	7
21	Removal of aqueous triclosan using TiO ₂ nanotube arrays reactive membrane by sequential adsorption and electrochemical degradation. <i>Chemical Engineering Journal</i> , 2021, 420, 127615.	6.6	30
22	Effective degradation of aqueous carbamazepine on a novel blue-colored TiO ₂ nanotube arrays membrane filter anode. <i>Journal of Hazardous Materials</i> , 2021, 402, 123530.	6.5	54
23	Raney nickel coupled nascent hydrogen as a novel strategy for enhanced reduction of nitrate and nitrite. <i>Chemosphere</i> , 2021, 263, 128187.	4.2	4
24	Extensive incorporation of carboxyl groups into g-C ₃ N ₄ by integrated oxygen doping and HNO ₃ oxidation for enhanced catalytic ozonation of para-chlorobenzoic acid and atrazine. <i>Separation and Purification Technology</i> , 2021, 256, 117806.	3.9	22
25	Enhanced decomposition of long-chain perfluorocarboxylic acids (C ₉ ~C ₁₀) by electrochemical activation of peroxymonosulfate in aqueous solution. <i>Science of the Total Environment</i> , 2021, 758, 143666.	3.9	22
26	Modulating hierarchically microporous biochar via molten alkali treatment for efficient adsorption removal of perfluorinated carboxylic acids from wastewater. <i>Science of the Total Environment</i> , 2021, 757, 143719.	3.9	27
27	Degradation of anticancer drug capecitabine in aquatic media by three advanced oxidation processes: Mechanisms, toxicity changes and energy cost evaluation. <i>Chemical Engineering Journal</i> , 2021, 413, 127489.	6.6	20
28	Insights into the electrochemical degradation of triclosan from human urine: Kinetics, mechanism and toxicity. <i>Chemosphere</i> , 2021, 264, 128598.	4.2	22
29	Oxygen vacancy confining effect on photocatalytic efficiency of Pt ₁ -black TiO ₂ single-atom photocatalysts for hydrogen generation and phenol decomposition. <i>Environmental Chemistry Letters</i> , 2021, 19, 1815-1821.	8.3	19
30	Atmospheric Chemistry of Allylic Radicals from Isoprene: A Successive Cyclization-Driven Autoxidation Mechanism. <i>Environmental Science & Technology</i> , 2021, 55, 4399-4409.	4.6	20
31	Green synthesis of high-performance supercapacitor electrode materials from agricultural corncob waste by mild potassium hydroxide soaking and a one-step carbonization. <i>Industrial Crops and Products</i> , 2021, 161, 113215.	2.5	31
32	Conflicting Roles of Coordination Number on Catalytic Performance of Single-Atom Pt Catalysts. <i>ACS Catalysis</i> , 2021, 11, 5586-5592.	5.5	38
33	Ultrasonication-Enhanced Reduction of Tetrabromobisphenol A by Activating Nascent H ₂ on Raney Ni Catalyst: Kinetics, Mechanisms, and Hydrogenation Pathways. <i>ACS ES&T Engineering</i> , 2021, 1, 884-894.	3.7	8
34	Mechanism of bicarbonate enhancing the photodegradation of $\hat{1}^2$ -blockers in natural waters. <i>Water Research</i> , 2021, 197, 117078.	5.3	8
35	Electrochemical degradation of tris(2-chloroethyl) phosphate by metal-oxide-coated Ti anodes: Kinetics, toxicity and mechanism. <i>Separation and Purification Technology</i> , 2021, 265, 118489.	3.9	18
36	Dichlorine radicals (Cl ₂ •) promote the photodegradation of propranolol in estuarine and coastal waters. <i>Journal of Hazardous Materials</i> , 2021, 414, 125536.	6.5	8

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37	Sm-doped g-C ₃ N ₄ /Ti ₃ C ₂ MXene heterojunction for visible-light photocatalytic degradation of ciprofloxacin. <i>Chinese Chemical Letters</i> , 2021, 32, 2155-2158.	4.8	77
38	Efficient electrocatalysis for denitrification by using TiO ₂ nanotube arrays cathode and adding chloride ions. <i>Chemosphere</i> , 2021, 274, 129706.	4.2	14
39	Insight into degradation mechanism of sulfamethoxazole by metal-organic framework derived novel magnetic Fe@C composite activated persulfate. <i>Journal of Hazardous Materials</i> , 2021, 414, 125598.	6.5	67
40	Novel dual-effective Z-scheme heterojunction with g-C ₃ N ₄ , Ti ₃ C ₂ MXene and black phosphorus for improving visible light-induced degradation of ciprofloxacin. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120105.	10.8	129
41	Neighboring Pd single atoms surpass isolated single atoms for selective hydrodehalogenation catalysis. <i>Nature Communications</i> , 2021, 12, 5179.	5.8	87
42	Treatment of Ni-EDTA containing wastewater by electrochemical degradation using Ti ³⁺ self-doped TiO ₂ nanotube arrays anode. <i>Chemosphere</i> , 2021, 278, 130465.	4.2	17
43	Elucidating the Role of Single-Atom Pd for Electrocatalytic Hydrodechlorination. <i>Environmental Science & Technology</i> , 2021, 55, 13306-13316.	4.6	12
44	Biomass-based porous carbon/graphene self-assembled composite aerogels for high-rate performance supercapacitor. <i>Journal of Cleaner Production</i> , 2021, 315, 128110.	4.6	45
45	Porous loofah-sponge-like ternary heterojunction g-C ₃ N ₄ /Bi ₂ WO ₆ /MoS ₂ for highly efficient photocatalytic degradation of sulfamethoxazole under visible-light irradiation. <i>Chemosphere</i> , 2021, 279, 130552.	4.2	35
46	A novel vacancy-strengthened Z-scheme g-C ₃ N ₄ /Bp/MoS ₂ composite for super-efficient visible-light photocatalytic degradation of ciprofloxacin. <i>Separation and Purification Technology</i> , 2021, 272, 118891.	3.9	39
47	Liquid-phase hydrodechlorination of trichloroethylene driven by nascent H ₂ under an open system: Hydrogenation activity, solvent effect and sulfur poisoning. <i>Journal of Environmental Sciences</i> , 2021, 108, 96-106.	3.2	8
48	Ti ₃ C ₂ MXene-induced interface electron separation in g-C ₃ N ₄ /Ti ₃ C ₂ MXene/MoSe ₂ Z-scheme heterojunction for enhancing visible light-irradiated enoxacin degradation. <i>Separation and Purification Technology</i> , 2021, 275, 119194.	3.9	42
49	Carbonization of camphor sulfonic acid and melamine to N,S-co-doped carbon for sulfamethoxazole degradation via persulfate activation: Nonradical dominant pathway. <i>Separation and Purification Technology</i> , 2021, 279, 119723.	3.9	23
50	Advanced oxidation processes for removal of organics from cooling tower blowdown: Efficiencies and evaluation of chlorinated species. <i>Separation and Purification Technology</i> , 2021, 278, 119537.	3.9	9
51	Total oxidisable precursor assay towards selective detection of PFAS in AFFF. <i>Journal of Cleaner Production</i> , 2021, 328, 129568.	4.6	15
52	Selective electrochemical H ₂ O ₂ generation and activation on a bifunctional catalyst for heterogeneous electro-Fenton catalysis. <i>Journal of Hazardous Materials</i> , 2020, 382, 121102.	6.5	137
53	Synthesis of LaFeO ₃ /Bi ₃ NbO ₇ p-n heterojunction photocatalysts with enhanced visible-light-responsive activity for photocatalytic reduction of Cr(VI). <i>Journal of Alloys and Compounds</i> , 2020, 815, 152492.	2.8	25
54	Insights into the degradation and detoxication mechanisms of aqueous capecitabine in electrochemical oxidation process. <i>Chemosphere</i> , 2020, 241, 125058.	4.2	22

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55	Fe(II)-promoted activation of peroxydisulfate by molybdenum disulfide for effective degradation of acetaminophen. <i>Chemical Engineering Journal</i> , 2020, 381, 122718.	6.6	72
56	Numerical simulation of the hydrodynamic behavior and the synchronistic oxidation and reduction in an internal circulation micro-electrolysis reactor. <i>Chemical Engineering Journal</i> , 2020, 381, 122709.	6.6	6
57	Preparation of In ₂ S ₃ nanosheets decorated KNbO ₃ nanocubes composite photocatalysts with significantly enhanced activity under visible light irradiation. <i>Separation and Purification Technology</i> , 2020, 230, 115861.	3.9	39
58	Electrochemical oxidation of perfluorooctane sulfonate (PFOS) substitute by modified boron doped diamond (BDD) anodes. <i>Chemical Engineering Journal</i> , 2020, 379, 122280.	6.6	82
59	Microwave assisted synthesis of phosphorylated PAN fiber for highly efficient and enhanced extraction of U(VI) ions from water. <i>Chemical Engineering Journal</i> , 2020, 392, 123815.	6.6	41
60	An efficient reduction of unsaturated bonds and halogen-containing groups by nascent hydrogen over Raney Ni catalyst. <i>Journal of Hazardous Materials</i> , 2020, 389, 121912.	6.5	10
61	Atmospheric oxidation mechanism and kinetics of isoprene initiated by chlorine radicals: A computational study. <i>Science of the Total Environment</i> , 2020, 712, 136330.	3.9	24
62	Aerobic degradation of aqueous pollutants with nanoscale zero-valent aluminum in alkaline condition: Performance and mechanism especially at particle surface. <i>Journal of Cleaner Production</i> , 2020, 244, 118905.	4.6	16
63	Effects of dissolved organic matter derived from freshwater and seawater on photodegradation of three antiviral drugs. <i>Environmental Pollution</i> , 2020, 258, 113700.	3.7	21
64	Electrokinetic Enhancement of Water Flux and Ion Rejection through Graphene Oxide/Carbon Nanotube Membrane. <i>Environmental Science & Technology</i> , 2020, 54, 15433-15441.	4.6	33
65	Amorphous Pd-Loaded Ti ₄ O ₇ Electrode for Direct Anodic Destruction of Perfluorooctanoic Acid. <i>Environmental Science & Technology</i> , 2020, 54, 10954-10963.	4.6	76
66	Structural Effects of Amines in Enhancing Methanesulfonic Acid-Driven New Particle Formation. <i>Environmental Science & Technology</i> , 2020, 54, 13498-13508.	4.6	36
67	Utilizing transparent and conductive SnO ₂ as electron mediator to enhance the photocatalytic performance of Z-scheme Si-SnO ₂ -TiO _x . <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	3.3	4
68	Electronic modulation of iron-bearing heterogeneous catalysts to accelerate Fe(III)/Fe(II) redox cycle for highly efficient Fenton-like catalysis. <i>Applied Catalysis B: Environmental</i> , 2020, 276, 119016.	10.8	75
69	The role of carbonate in sulfamethoxazole degradation by peroxydisulfate without catalyst and the generation of carbonate radical. <i>Journal of Hazardous Materials</i> , 2020, 398, 122827.	6.5	64
70	Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater – a perspective. <i>Environmental Science: Nano</i> , 2020, 7, 2178-2194.	2.2	74
71	Electrochemical mineralization mechanisms of perfluorooctanoic acid in water assisted by low frequency ultrasound. <i>Journal of Cleaner Production</i> , 2020, 263, 121546.	4.6	30
72	Insights into the electrochemical degradation of sulfamethoxazole and its metabolite by Ti/SnO ₂ -Sb/Er-PbO ₂ anode. <i>Chinese Chemical Letters</i> , 2020, 31, 2673-2677.	4.8	63

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73	Enhanced perfluorooctanoic acid degradation by electrochemical activation of peroxymonosulfate in aqueous solution. <i>Environment International</i> , 2020, 137, 105562.	4.8	53
74	A three-dimensional self-standing Mo ₂ C/nitrogen-doped graphene aerogel: Enhancement hydrogen production from landfill leachate wastewater in MFCs-AEC coupled system. <i>Environmental Research</i> , 2020, 184, 109283.	3.7	15
75	Degradation of a persistent organic pollutant perfluorooctane sulphonate with Ti/SnO ₂ -Sb ₂ O ₅ /PbO ₂ -PTFE anode. <i>Emerging Contaminants</i> , 2020, 6, 44-52.	2.2	26
76	Insights into electrochemical decomposition mechanism of lipopolysaccharide using TiO ₂ nanotubes arrays electrode. <i>Journal of Hazardous Materials</i> , 2020, 391, 122259.	6.5	11
77	Role of hydrogen bond capacity of solvents in reactions of amines with CO ₂ : A computational study. <i>Journal of Environmental Sciences</i> , 2020, 91, 271-278.	3.2	11
78	Direct Z-scheme Ag ₃ PO ₄ /Bi ₄ Ti ₃ O ₁₂ heterojunction with enhanced photocatalytic performance for sulfamethoxazole degradation. <i>Separation and Purification Technology</i> , 2020, 241, 116622.	3.9	40
79	Synthesis of direct Z-Scheme Bi ₃ TaO ₇ /CdS composite photocatalysts with enhanced photocatalytic performance for ciprofloxacin degradation under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155061.	2.8	47
80	Ferrous metal-organic frameworks with strong electron-donating properties for persulfate activation to effectively degrade aqueous sulfamethoxazole. <i>Chemical Engineering Journal</i> , 2020, 394, 125044.	6.6	83
81	Photochemical degradation of nebulivolol in different natural organic matter solutions under simulated sunlight irradiation: Kinetics, mechanism and degradation pathway. <i>Water Research</i> , 2020, 173, 115524.	5.3	35
82	Structural parameter optimization for novel internal-loop iron-carbon micro-electrolysis reactors using computational fluid dynamics. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 737-744.	1.7	7
83	Synergistic effects of multiple heterojunctions significantly enhance the photocatalytic H ₂ evolution rate CdS/La ₂ Ti ₂ O ₇ /NiS ₂ ternary composites. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19603-19613.	3.8	27
84	In situ synthesis of PPy-FexOy-CTS nanostructured gel membrane for highly efficient solar steam generation. <i>Solar Energy Materials and Solar Cells</i> , 2019, 201, 110046.	3.0	30
85	Bicarbonate enhancing electrochemical degradation of antiviral drug lamivudine in aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113314.	1.9	12
86	Regeneration of porous electrospun membranes embedding alumina nanoparticles saturated with minocycline by UV radiation. <i>Chemosphere</i> , 2019, 237, 124495.	4.2	4
87	Porous Ti/SnO ₂ -Sb anode as reactive electrochemical membrane for removing trace antiretroviral drug stavudine from wastewater. <i>Environment International</i> , 2019, 133, 105157.	4.8	56
88	Tuning the oxygen evolution reaction on a nickel-iron alloy via active straining. <i>Nanoscale</i> , 2019, 11, 426-430.	2.8	52
89	Coupling O ₂ and K ₂ S ₂ O ₈ Dual Co-reactant with Fe-N-C Modified Electrode for Ultrasensitive Electrochemiluminescence Signal Amplification. <i>ChemistrySelect</i> , 2019, 4, 1673-1680.	0.7	5
90	Electrochemical degradation of sunscreen agent benzophenone-3 and its metabolite by Ti/SnO ₂ -Sb/Ce-PbO ₂ anode: Kinetics, mechanism, toxicity and energy consumption. <i>Science of the Total Environment</i> , 2019, 688, 75-82.	3.9	58

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91	Removal of trace naproxen from aqueous solution using a laboratory-scale reactive flow-through membrane electrode. <i>Journal of Hazardous Materials</i> , 2019, 379, 120692.	6.5	60
92	Fabrication of Cu/rGO/MoS2 nanohybrid with energetic visible-light response for degradation of rhodamine B. <i>Chinese Chemical Letters</i> , 2019, 30, 2245-2248.	4.8	41
93	Synergistic removal of Cr(VI) and dye contaminants by 0D/2D bismuth molybdate homojunction photocatalyst under visible light. <i>Applied Surface Science</i> , 2019, 484, 1080-1088.	3.1	31
94	High-efficiency electrochemical degradation of antiviral drug abacavir using a penetration flux porous Ti/SnO2@Sb anode. <i>Chemosphere</i> , 2019, 225, 304-310.	4.2	53
95	Promoting nitrogen removal during Fe(III) reduction coupled to anaerobic ammonium oxidation (Feammox) by adding anthraquinone-2,6-disulfonate (AQDS). <i>Environmental Pollution</i> , 2019, 247, 973-979.	3.7	48
96	Advanced oxidation of formaldehyde in aqueous solution using the chemical-less UVC/VUV process: Kinetics and mechanism evaluation. <i>Journal of Water Process Engineering</i> , 2019, 27, 120-125.	2.6	20
97	Degradation of nitrobenzene by synchronistic oxidation and reduction in an internal circulation microelectrolysis reactor. <i>Journal of Hazardous Materials</i> , 2019, 365, 448-456.	6.5	45
98	Potential of Crystalline and Amorphous Ferric Oxides for Biostimulation of Anaerobic Digestion. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 697-708.	3.2	58
99	Removal of PFAS from aqueous solution using PbO2 from lead-acid battery. <i>Chemosphere</i> , 2019, 219, 36-44.	4.2	32
100	Enhanced treatment of tannery wastewater using the electrocoagulation process combined with UVC/VUV photoreactor: Parametric and mechanistic evaluation. <i>Chemical Engineering Journal</i> , 2019, 358, 1038-1046.	6.6	62
101	Efficient and Stable Photocatalytic Hydrogen Evolution Activity of Multi-Heterojunction Composite Photocatalysts: CdS and NiS2 Co-modified NaNbO3 Nanocubes. <i>Frontiers in Chemistry</i> , 2019, 7, 880.	1.8	8
102	Microbial community evolution of black and stinking rivers during in situ remediation through micro-nano bubble and submerged resin floating bed technology. <i>Bioresource Technology</i> , 2018, 258, 187-194.	4.8	51
103	Sunlight irradiation triggers changes in the fouling potentials of natural dissolved organic matter. <i>Science of the Total Environment</i> , 2018, 627, 227-234.	3.9	7
104	Electrochemical removal of nitrate in industrial wastewater. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	3.3	108
105	Alginate affects agglomeration state and uptake of 14C-labeled few-layer graphene by freshwater snails: Implications for the environmental fate of graphene in aquatic systems. <i>Environmental Pollution</i> , 2018, 234, 513-522.	3.7	11
106	Effects of Chloride Ions on Dissolution, ROS Generation, and Toxicity of Silver Nanoparticles under UV Irradiation. <i>Environmental Science & Technology</i> , 2018, 52, 4842-4849.	4.6	73
107	Electrochemical degradation of fluoxetine on nanotube array intercalated anode with enhanced electronic transport and hydroxyl radical production. <i>Chemical Engineering Journal</i> , 2018, 346, 662-671.	6.6	94
108	Investigation of chemical-less UVC/VUV process for advanced oxidation of sulfamethoxazole in aqueous solutions: Evaluation of operational variables and degradation mechanism. <i>Separation and Purification Technology</i> , 2018, 190, 90-99.	3.9	46

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109	BiOCl Decorated NaNbO ₃ Nanocubes: A Novel p-n Heterojunction Photocatalyst With Improved Activity for Ofloxacin Degradation. <i>Frontiers in Chemistry</i> , 2018, 6, 393.	1.8	36
110	Fabrication of Bi ₂ WO ₆ quantum dots/ultrathin nanosheets OD/2D homojunctions with enhanced photocatalytic activity under visible light irradiation. <i>Chinese Journal of Catalysis</i> , 2018, 39, 1910-1918.	6.9	30
111	Single-Atom Pt Catalyst for Effective C-F Bond Activation via Hydrodefluorination. <i>ACS Catalysis</i> , 2018, 8, 9353-9358.	5.5	70
112	Transformation of ¹⁴ C-labeled Graphene to ¹⁴ CO ₂ in the Shoots of a Rice Plant. <i>Angewandte Chemie</i> , 2018, 130, 9907-9911.	1.6	19
113	Photocatalytic degradation of perfluorooctanoic acid over Pb-BiFeO ₃ /rGO catalyst: Kinetics and mechanism. <i>Chemosphere</i> , 2018, 211, 34-43.	4.2	61
114	Development of macroporous Magn ⁺ phase Ti ₄ O ₇ ceramic materials: As an efficient anode for mineralization of poly- and perfluoroalkyl substances. <i>Chemical Engineering Journal</i> , 2018, 354, 1058-1067.	6.6	161
115	A reactive electrochemical filter system with an excellent penetration flux porous Ti/SnO ₂ -Sb filter for efficient contaminant removal from water. <i>RSC Advances</i> , 2018, 8, 13933-13944.	1.7	53
116	Interactions between algal (AOM) and natural organic matter (NOM): Impacts on their photodegradation in surface waters. <i>Environmental Pollution</i> , 2018, 242, 1185-1197.	3.7	41
117	Transformation of ¹⁴ C-labeled Graphene to ¹⁴ CO ₂ in the Shoots of a Rice Plant. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9759-9763.	7.2	46
118	Hydroxyl multi-walled carbon nanotube-modified nanocrystalline PbO ₂ anode for removal of pyridine from wastewater. <i>Journal of Hazardous Materials</i> , 2017, 327, 144-152.	6.5	60
119	Highly efficient and stable Zr-doped nanocrystalline PbO ₂ electrode for mineralization of perfluorooctanoic acid in a sequential treatment system. <i>Science of the Total Environment</i> , 2017, 579, 1600-1607.	3.9	58
120	Comparative toxicity of Cd, Mo, and W sulphide nanomaterials toward E. coli under UV irradiation. <i>Environmental Pollution</i> , 2017, 224, 606-614.	3.7	53
121	Biological Uptake, Distribution, and Depuration of Radio-Labeled Graphene in Adult Zebrafish: Effects of Graphene Size and Natural Organic Matter. <i>ACS Nano</i> , 2017, 11, 2872-2885.	7.3	98
122	Directional electron transfer mechanisms with graphene quantum dots as the electron donor for photodecomposition of perfluorooctane sulfonate. <i>Chemical Engineering Journal</i> , 2017, 323, 406-414.	6.6	37
123	Electrochemical degradation of enrofloxacin by lead dioxide anode: Kinetics, mechanism and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2017, 326, 911-920.	6.6	161
124	Kinetic analysis of aerobic biotransformation pathways of a perfluorooctane sulfonate (PFOS) precursor in distinctly different soils. <i>Environmental Pollution</i> , 2017, 229, 159-167.	3.7	38
125	Relative importance of humic and fulvic acid on ROS generation, dissolution, and toxicity of sulfide nanoparticles. <i>Water Research</i> , 2017, 124, 595-604.	5.3	80
126	Electrochemically enhanced removal of perfluorinated compounds (PFCs) from aqueous solution by CNTs-graphene composite electrode. <i>Chemical Engineering Journal</i> , 2017, 328, 228-235.	6.6	55

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127	Electrochemical oxidation of ofloxacin using a TiO ₂ -based SnO ₂ -Sb/polytetrafluoroethylene resin-PbO ₂ electrode: Reaction kinetics and mass transfer impact. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 515-525.	10.8	212
128	Influence of dissolved organic matter on photogenerated reactive oxygen species and metal-oxide nanoparticle toxicity. <i>Water Research</i> , 2016, 98, 9-18.	5.3	53
129	Electrocoagulation mechanism of perfluorooctanoate (PFOA) on a zinc anode: Influence of cathodes and anions. <i>Science of the Total Environment</i> , 2016, 557-558, 542-550.	3.9	42
130	Photoinduced Hydrodefluorination Mechanisms of Perfluorooctanoic Acid by the SiC/Graphene Catalyst. <i>Environmental Science & Technology</i> , 2016, 50, 5857-5863.	4.6	104
131	Insights of ibuprofen electro-oxidation on metal-oxide-coated Ti anodes: Kinetics, energy consumption and reaction mechanisms. <i>Chemosphere</i> , 2016, 163, 584-591.	4.2	65
132	Full life-cycle toxicity assessment on triclosan using rotifer <i>Brachionus calyciflorus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2016, 127, 30-35.	2.9	28
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