Junfeng Niu

List of Publications by Year
in descending order

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Version: 2024-02-01

		19657	30087
237	13,852	61	103
papers	citations	h-index	g-index

242	242	242	13258
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanism of Photogenerated Reactive Oxygen Species and Correlation with the Antibacterial Properties of Engineered Metal-Oxide Nanoparticles. ACS Nano, 2012, 6, 5164-5173.	14.6	1,282
2	Distribution and speciation of heavy metals in sediments from the mainstream, tributaries, and lakes of the Yangtze River catchment of Wuhan, China. Journal of Hazardous Materials, 2009, 166, 1186-1194.	12.4	391
3	Electrochemical degradation of perfluorooctanoic acid (PFOA) by Ti/SnO2â€“Sb, Ti/SnO2â€“Sb/PbO2 and Ti/SnO2â€“Sb/MnO2 anodes. Water Research, 2012, 46, 2281-2289.	11.3	367
4	Perfluorooctanoic Acid Degradation Using UVâ€“Persulfate Process: Modeling of the Degradation and Chlorate Formation. Environmental Science & Technology, 2016, 50, 772-781.	10.0	294
5	Electrochemical Mineralization of Perfluorocarboxylic Acids (PFCAs) by Ce-Doped Modified Porous Nanocrystalline PbO₂ Film Electrode. Environmental Science & Technology, 2012, 46, 10191-10198.	10.0	256
6	Photogeneration of Reactive Oxygen Species on Uncoated Silver, Gold, Nickel, and Silicon Nanoparticles and Their Antibacterial Effects. Langmuir, 2013, 29, 4647-4651.	3.5	244
7	Electrochemical mineralization of sulfamethoxazole by Ti/SnO2-Sb/Ce-PbO2 anode: Kinetics, reaction pathways, and energy cost evolution. Electrochimica Acta, 2013, 97, 167-174.	5.2	213
8	Electrochemical oxidation of ofloxacin using a TiO2-based SnO2-Sb/polytetrafluoroethylene resin-PbO2 electrode: Reaction kinetics and mass transfer impact. Applied Catalysis B: Environmental, 2017, 203, 515-525.	20.2	212
9	Role of living environments in the accumulation characteristics of heavy metals in fishes and crabs in the Yangtze River Estuary, China. Marine Pollution Bulletin, 2012, 64, 1163-1171.	5.0	199
10	Theoretical and Experimental Insights into the Electrochemical Mineralization Mechanism of Perfluorooctanoic Acid. Environmental Science & Technology, 2013, 47, 14341-14349.	10.0	178
11	Electrochemical oxidation of perfluorinated compounds in water. Chemosphere, 2016, 146, 526-538.	8.2	174
12	Visible-light-mediated Sr-Bi2O3 photocatalysis of tetracycline: Kinetics, mechanisms and toxicity assessment. Chemosphere, 2013, 93, 1-8.	8.2	168
13	Risk assessment of sedimentary metals in the Yangtze Estuary: New evidence of the relationships between two typical index methods. Journal of Hazardous Materials, 2012, 241-242, 164-172.	12.4	161
14	Electrochemical degradation of enrofloxacin by lead dioxide anode: Kinetics, mechanism and toxicity evaluation. Chemical Engineering Journal, 2017, 326, 911-920.	12.7	161
15	Development of macroporous MagnÃ©li phase Ti4O7 ceramic materials: As an efficient anode for mineralization of poly- and perfluoroalkyl substances. Chemical Engineering Journal, 2018, 354, 1058-1067.	12.7	161
16	Adsorption of phosphorus on sediments from the Three-Gorges Reservoir (China) and the relation with sediment compositions. Journal of Hazardous Materials, 2009, 162, 92-98.	12.4	160
17	Highly Efficient and Mild Electrochemical Mineralization of Long-Chain Perfluorocarboxylic Acids (C9â€“C10) by Ti/SnO₂â€“Sbâ€“Ce, Ti/SnO₂â€–Sb/Ceâ€“PbO₂, and Ti/BDD Electrodes. Environmental Science & Technology, 2013, 47, 13039-13046.	10.0	157
18	Photolysis of Enrofloxacin in aqueous systems under simulated sunlight irradiation: Kinetics, mechanism and toxicity of photolysis products. Chemosphere, 2011, 85, 892-897.	8.2	138

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19	Selective electrochemical H2O2 generation and activation on a bifunctional catalyst for heterogeneous electro-Fenton catalysis. Journal of Hazardous Materials, 2020, 382, 121102.	12.4	137
20	Characterization, ecological risk assessment and source diagnostics of polycyclic aromatic hydrocarbons in water column of the Yellow River Delta, one of the most plenty biodiversity zones in the world. Journal of Hazardous Materials, 2009, 169, 460-465.	12.4	136
21	Spatial distribution and source apportionment of PAHs in surficial sediments of the Yangtze Estuary, China. Marine Pollution Bulletin, 2012, 64, 636-643.	5.0	134
22	Light-source-dependent role of nitrate and humic acid in tetracycline photolysis: Kinetics and mechanism. Chemosphere, 2013, 92, 1423-1429.	8.2	131
23	Novel dual-effective Z-scheme heterojunction with g-C3N4, Ti3C2 MXene and black phosphorus for improving visible light-induced degradation of ciprofloxacin. Applied Catalysis B: Environmental, 2021, 291, 120105.	20.2	129
24	Effects of environmental factors on sulfamethoxazole photodegradation under simulated sunlight irradiation: Kinetics and mechanism. Journal of Environmental Sciences, 2013, 25, 1098-1106.	6.1	122
25	Laccase-Carrying Electrospun Fibrous Membranes for Adsorption and Degradation of PAHs in Shoal Soils. Environmental Science & Technology, 2011, 45, 10611-10618.	10.0	109
26	Degradation of Pentachlorophenol and 2,4-Dichlorophenol by Sequential Visible-Light Driven Photocatalysis and Laccase Catalysis. Environmental Science & Technology, 2010, 44, 9117-9122.	10.0	108
27	Electrochemical removal of nitrate in industrial wastewater. Frontiers of Environmental Science and Engineering, 2018, 12, 1.	6.0	108
28	Photoinduced Hydrodefluorination Mechanisms of Perfluorooctanoic Acid by the SiC/Graphene Catalyst. Environmental Science & Technology, 2016, 50, 5857-5863.	10.0	104
29	In situ encapsulation of laccase in microfibers by emulsion electrospinning: Preparation, characterization, and application. Bioresource Technology, 2010, 101, 8942-8947.	9.6	103
30	Mechanism of Reductive Decomposition of Pentachlorophenol by Ti-Doped Î²-Bi₂O₃ under Visible Light Irradiation. Environmental Science & Technology, 2010, 44, 5581-5586.	10.0	101
31	Assessment of heavy metals in sediments from a typical catchment of the Yangtze River, China. Environmental Monitoring and Assessment, 2011, 172, 407-417.	2.7	98
32	Biological Uptake, Distribution, and Depuration of Radio-Labeled Graphene in Adult Zebrafish: Effects of Graphene Size and Natural Organic Matter. ACS Nano, 2017, 11, 2872-2885.	14.6	98
33	Efficient Sorption and Removal of Perfluoroalkyl Acids (PFAAs) from Aqueous Solution by Metal Hydroxides Generated in Situ by Electrocoagulation. Environmental Science & Technology, 2015, 49, 10562-10569.	10.0	95
34	Electrochemical degradation of fluoxetine on nanotube array intercalated anode with enhanced electronic transport and hydroxyl radical production. Chemical Engineering Journal, 2018, 346, 662-671.	12.7	94
35	Removal of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) from water by coagulation: Mechanisms and influencing factors. Journal of Colloid and Interface Science, 2014, 434, 59-64.	9.4	91
36	Photocatalytic degradation kinetics and mechanism of pentachlorophenol based on Superoxide radicals. Journal of Environmental Sciences, 2011, 23, 1911-1918.	6.1	88

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37	Neighboring Pd single atoms surpass isolated single atoms for selective hydrodehalogenation catalysis. Nature Communications, 2021, 12, 5179.	12.8	87
38	Sonophotocatalytic degradation of methyl orange by nano-sized Ag/TiO2 particles in aqueous solutions. Ultrasonics Sonochemistry, 2008, 15, 386-392.	8.2	85
39	Photolysis of polycyclic aromatic hydrocarbons adsorbed on spruce [Picea abies (L.) Karst.] needles under sunlight irradiation. Environmental Pollution, 2003, 123, 39-45.	7.5	83
40	Ferrous metal-organic frameworks with strong electron-donating properties for persulfate activation to effectively degrade aqueous sulfamethoxazole. Chemical Engineering Journal, 2020, 394, 125044.	12.7	83
41	Electrochemical mineralization of pentachlorophenol (PCP) by Ti/SnO2â€“Sb electrodes. Chemosphere, 2013, 92, 1571-1577.	8.2	82
42	Electrochemical oxidation of perfluorooctane sulfonate (PFOS) substitute by modified boron doped diamond (BDD) anodes. Chemical Engineering Journal, 2020, 379, 122280.	12.7	82
43	Occurrence and possible sources of polychlorinated biphenyls in surface sediments from the Wuhan reach of the Yangtze River, China. Chemosphere, 2009, 74, 1522-1530.	8.2	81
44	Relative importance of humic and fulvic acid on ROS generation, dissolution, and toxicity of sulfide nanoparticles. Water Research, 2017, 124, 595-604.	11.3	80
45	Surface-Coating-Dependent Dissolution, Aggregation, and Reactive Oxygen Species (ROS) Generation of Silver Nanoparticles under Different Irradiation Conditions. Environmental Science & Technology, 2013, 47, 130904083900006.	10.0	78
46	Influence of Aqueous Media on the ROS-Mediated Toxicity of ZnO Nanoparticles toward Green Fluorescent Protein-Expressing Escherichia coli under UV-365 Irradiation. Langmuir, 2014, 30, 2852-2862.	3.5	77
47	Sm-doped g-C3N4/Ti3C2 MXene heterojunction for visible-light photocatalytic degradation of ciprofloxacin. Chinese Chemical Letters, 2021, 32, 2155-2158.	9.0	77
48	Amorphous Pd-Loaded Ti₄O₇ Electrode for Direct Anodic Destruction of Perfluorooctanoic Acid. Environmental Science & Technology, 2020, 54, 10954-10963.	10.0	76
49	Electronic modulation of iron-bearing heterogeneous catalysts to accelerate Fe(III)/Fe(II) redox cycle for highly efficient Fenton-like catalysis. Applied Catalysis B: Environmental, 2020, 276, 119016.	20.2	75
50	Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater â€“ a perspective. Environmental Science: Nano, 2020, 7, 2178-2194.	4.3	74
51	Effects of Chloride Ions on Dissolution, ROS Generation, and Toxicity of Silver Nanoparticles under UV Irradiation. Environmental Science & Technology, 2018, 52, 4842-4849.	10.0	73
52	Fe(II)-promoted activation of peroxymonosulfate by molybdenum disulfide for effective degradation of acetaminophen. Chemical Engineering Journal, 2020, 381, 122718.	12.7	72
53	In situ encapsulation of laccase in nanofibers by electrospinning for development of enzyme biosensors for chlorophenol monitoring. Analyst, The, 2011, 136, 4802.	3.5	71
54	Single-Atom Pt Catalyst for Effective Câ€“F Bond Activation via Hydrodefluorination. ACS Catalysis, 2018, 8, 9353-9358.	11.2	70

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55	Sulfur-modified chitosan derived N,S-co-doped carbon as a bifunctional material for adsorption and catalytic degradation sulfamethoxazole by persulfate. Journal of Hazardous Materials, 2022, 424, 127270.	12.4	70
56	Residues of organochlorine pesticides in water and suspended particulate matter from the Yangtze River catchment of Wuhan, China. Environmental Monitoring and Assessment, 2008, 137, 427-439.	2.7	68
57	Characteristics of biofilms and iron corrosion scales with ground and surface waters in drinking water distribution systems. Corrosion Science, 2015, 90, 331-339.	6.6	67
58	Insight into degradation mechanism of sulfamethoxazole by metal-organic framework derived novel magnetic Fe@C composite activated persulfate. Journal of Hazardous Materials, 2021, 414, 125598.	12.4	67
59	Insights of ibuprofen electro-oxidation on metal-oxide-coated Ti anodes: Kinetics, energy consumption and reaction mechanisms. Chemosphere, 2016, 163, 584-591.	8.2	65
60	Electrochemical properties of the erbiumâ€“chitosanâ€“fluorineâ€“modified PbO2 electrode for the degradation of 2,4-dichlorophenol in aqueous solution. Chemosphere, 2010, 79, 987-996.	8.2	64
61	The role of carbonate in sulfamethoxazole degradation by peroxymonosulfate without catalyst and the generation of carbonate racial. Journal of Hazardous Materials, 2020, 398, 122827.	12.4	64
62	Insights into the electrochemical degradation of sulfamethoxazole and its metabolite by Ti/SnO2-Sb/Er-PbO2 anode. Chinese Chemical Letters, 2020, 31, 2673-2677.	9.0	63
63	Photochemical transformation of tetrabromobisphenol A under simulated sunlight irradiation: Kinetics, mechanism and influencing factors. Chemosphere, 2015, 134, 550-556.	8.2	62
64	Enhanced treatment of tannery wastewater using the electrocoagulation process combined with UVC/VUV photoreactor: Parametric and mechanistic evaluation. Chemical Engineering Journal, 2019, 358, 1038-1046.	12.7	62
65	Release of polycyclic aromatic hydrocarbons from Yangtze River sediment cores during periods of simulated resuspension. Environmental Pollution, 2008, 155, 366-374.	7.5	61
66	Photocatalytic degradation of perfluorooctanoic acid over Pb-BiFeO3/rGO catalyst: Kinetics and mechanism. Chemosphere, 2018, 211, 34-43.	8.2	61
67	Evidence of superoxide radical contribution to demineralization of sulfamethoxazole by visible-light-driven Bi2O3/Bi2O2CO3/Sr6Bi2O9 photocatalyst. Journal of Hazardous Materials, 2013, 262, 812-818.	12.4	60
68	Hydroxyl multi-walled carbon nanotube-modified nanocrystalline PbO2 anode for removal of pyridine from wastewater. Journal of Hazardous Materials, 2017, 327, 144-152.	12.4	60
69	Removal of trace naproxen from aqueous solution using a laboratory-scale reactive flow-through membrane electrode. Journal of Hazardous Materials, 2019, 379, 120692.	12.4	60
70	Highly efficient and stable Zr-doped nanocrystalline PbO2 electrode for mineralization of perfluorooctanoic acid in a sequential treatment system. Science of the Total Environment, 2017, 579, 1600-1607.	8.0	58
71	Electrochemical degradation of sunscreen agent benzophenone-3 and its metabolite by Ti/SnO2-Sb/Ce-PbO2 anode: Kinetics, mechanism, toxicity and energy consumption. Science of the Total Environment, 2019, 688, 75-82.	8.0	58
72	Potential of Crystalline and Amorphous Ferric Oxides for Biostimulation of Anaerobic Digestion. ACS Sustainable Chemistry and Engineering, 2019, 7, 697-708.	6.7	58

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73	Photodegradation of PCDD/Fs adsorbed on spruce (Picea abies (L.) Karst.) needles under sunlight irradiation. Chemosphere, 2003, 50, 1217-1225.	8.2	56
74	Remobilization of polycyclic aromatic hydrocarbons during the resuspension of Yangtze River sediments using a particle entrainment simulator. Environmental Pollution, 2007, 149, 193-200.	7.5	56
75	Evaluating the sub-lethal toxicity of PFOS and PFOA using rotiferÂBrachionus calyciflorus. Environmental Pollution, 2013, 180, 34-40.	7.5	56
76	Synergistic Photogeneration of Reactive Oxygen Species by Dissolved Organic Matter and C₆₀ in Aqueous Phase. Environmental Science & Technology, 2015, 49, 965-973.	10.0	56
77	Porous Ti/SnO2-Sb anode as reactive electrochemical membrane for removing trace antiretroviral drug stavudine from wastewater. Environment International, 2019, 133, 105157.	10.0	56
78	Photochemical Transformation and Photoinduced Toxicity Reduction of Silver Nanoparticles in the Presence of Perfluorocarboxylic Acids under UV Irradiation. Environmental Science & Technology, 2014, 48, 4946-4953.	10.0	55
79	Electrochemically enhanced removal of perfluorinated compounds (PFCs) from aqueous solution by CNTs-graphene composite electrode. Chemical Engineering Journal, 2017, 328, 228-235.	12.7	55
80	Effective degradation of aqueous carbamazepine on a novel blue-colored TiO2 nanotube arrays membrane filter anode. Journal of Hazardous Materials, 2021, 402, 123530.	12.4	54
81	Influence of dissolved organic matter on photogenerated reactive oxygen species and metal-oxide nanoparticle toxicity. Water Research, 2016, 98, 9-18.	11.3	53
82	Comparative toxicity of Cd, Mo, and W sulphide nanomaterials toward E.Âcoli under UV irradiation. Environmental Pollution, 2017, 224, 606-614.	7.5	53
83	A reactive electrochemical filter system with an excellent penetration flux porous Ti/SnO₂â€“Sb filter for efficient contaminant removal from water. RSC Advances, 2018, 8, 13933-13944.	3.6	53
84	High-efficiency electrochemical degradation of antiviral drug abacavir using a penetration flux porous Ti/SnO2â€“Sb anode. Chemosphere, 2019, 225, 304-310.	8.2	53
85	Enhanced perfluorooctanoic acid degradation by electrochemical activation of peroxymonosulfate in aqueous solution. Environment International, 2020, 137, 105562.	10.0	53
86	Tuning the oxygen evolution reaction on a nickelâ€“iron alloy via active straining. Nanoscale, 2019, 11, 426-430.	5.6	52
87	Pollution assessment and source identifications of polycyclic aromatic hydrocarbons in sediments of the Yellow River Delta, a newly born wetland in China. Environmental Monitoring and Assessment, 2009, 158, 561-571.	2.7	51
88	Oxidative dissolution of polymer-coated CdSe/ZnS quantum dots under UV irradiation: Mechanisms and kinetics. Environmental Pollution, 2012, 164, 259-266.	7.5	51
89	Microbial community evolution of black and stinking rivers during in situ remediation through micro-nano bubble and submerged resin floating bed technology. Bioresource Technology, 2018, 258, 187-194.	9.6	51
90	Electrochemical decomposition of PPCPs on hydrophobic Ti/SnO2-Sb/La-PbO2 anodes: Relationship between surface hydrophobicity and decomposition performance. Chemical Engineering Journal, 2022, 429, 132309.	12.7	51

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91	Spatial and seasonal distribution of organochlorine pesticides in the sediments of the Yangtze Estuary. Chemosphere, 2014, 114, 233-240.	8.2	49
92	Promoting nitrogen removal during Fe(III) reduction coupled to anaerobic ammonium oxidation (Feammox) by adding anthraquinone-2,6-disulfonate (AQDS). Environmental Pollution, 2019, 247, 973-979.	7.5	48
93	Photolysis of polycyclic aromatic hydrocarbons associated with fly ash particles under simulated sunlight irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 186, 93-98.	3.9	47
94	Immobilization of horseradish peroxidase by electrospun fibrous membranes for adsorption and degradation of pentachlorophenol in water. Journal of Hazardous Materials, 2013, 246-247, 119-125.	12.4	47
95	Synthesis of direct Z-Scheme Bi3TaO7/CdS composite photocatalysts with enhanced photocatalytic performance for ciprofloxacin degradation under visible light irradiation. Journal of Alloys and Compounds, 2020, 834, 155061.	5.5	47
96	Distribution and Sources of Organochlorine Pesticides in Sediments from Typical Catchment of the Yangtze River, China. Archives of Environmental Contamination and Toxicology, 2007, 53, 303-312.	4.1	46
97	A high activity of Ti/SnO2-Sb electrode in the electrochemical degradation of 2,4-dichlorophenol in aqueous solution. Journal of Environmental Sciences, 2013, 25, 1424-1430.	6.1	46
98	Investigation of chemical-less UVC/VUV process for advanced oxidation of sulfamethoxazole in aqueous solutions: Evaluation of operational variables and degradation mechanism. Separation and Purification Technology, 2018, 190, 90-99.	7.9	46
99	Transformation of ¹⁴Câ€Labeled Graphene to ¹⁴CO₂ in the Shoots of a Rice Plant. Angewandte Chemie - International Edition, 2018, 57, 9759-9763.	13.8	46
100	Sorption of polycyclic aromatic hydrocarbons on electrospun nanofibrous membranes: Sorption kinetics and mechanism. Journal of Hazardous Materials, 2011, 192, 1409-1417.	12.4	45
101	Degradation of nitrobenzene by synchronistic oxidation and reduction in an internal circulation microelectrolysis reactor. Journal of Hazardous Materials, 2019, 365, 448-456.	12.4	45
102	Biomass-based porous carbon/graphene self-assembled composite aerogels for high-rate performance supercapacitor. Journal of Cleaner Production, 2021, 315, 128110.	9.3	45
103	Quantitative structureâ€“property relationships on photolysis of PCDD/Fs adsorbed to spruce (Picea) Tj ETQq1 1 0.784314 rgBT /Ove	8.2	43
104	Laccase-carrying electrospun fibrous membrane for the removal of polycyclic aromatic hydrocarbons from contaminated water. Separation and Purification Technology, 2013, 104, 1-8.	7.9	43
105	Enhanced visible-light-driven photocatalytic degradation of tetracycline by 16% Er3+-Bi2WO6 photocatalyst. Journal of Hazardous Materials, 2022, 422, 126920.	12.4	43
106	Electrocoagulation mechanism of perfluorooctanoate (PFOA) on a zinc anode: Influence of cathodes and anions. Science of the Total Environment, 2016, 557-558, 542-550.	8.0	42
107	Ti3C2 MXene-induced interface electron separation in g-C3N4/Ti3C2 MXene/MoSe2 Z-scheme heterojunction for enhancing visible light-irradiated enoxacin degradation. Separation and Purification Technology, 2021, 275, 119194.	7.9	42
108	Historical deposition behaviors of PAHs in the Yangtze River Estuary: Role of the sources and water currents. Chemosphere, 2013, 90, 2020-2026.	8.2	41

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109	Interactions between algal (AOM) and natural organic matter (NOM): Impacts on their photodegradation in surface waters. Environmental Pollution, 2018, 242, 1185-1197.	7.5	41
110	Fabrication of Cu/rGO/MoS2 nanohybrid with energetic visible-light response for degradation of rhodamine B. Chinese Chemical Letters, 2019, 30, 2245-2248.	9.0	41
111	Microwave assisted synthesis of phosphorylated PAN fiber for highly efficient and enhanced extraction of U(VI) ions from water. Chemical Engineering Journal, 2020, 392, 123815.	12.7	41
112	Direct Z-scheme Ag3PO4/Bi4Ti3O12 heterojunction with enhanced photocatalytic performance for sulfamethoxazole degradation. Separation and Purification Technology, 2020, 241, 116622.	7.9	40
113	Estimation of gas-phase reaction rate constants of alkylnaphthalenes with chlorine, hydroxyl and nitrate radicals. Chemosphere, 2007, 67, 2028-2034.	8.2	39
114	Preparation of In2S3 nanosheets decorated KNbO3 nanocubes composite photocatalysts with significantly enhanced activity under visible light irradiation. Separation and Purification Technology, 2020, 230, 115861.	7.9	39
115	A novel vacancy-strengthened Z-scheme g-C3N4/Bp/MoS2 composite for super-efficient visible-light photocatalytic degradation of ciprofloxacin. Separation and Purification Technology, 2021, 272, 118891.	7.9	39
116	Performance and mechanisms for removal of perfluorooctanoate (PFOA) from aqueous solution by activated carbon fiber. RSC Advances, 2015, 5, 86927-86933.	3.6	38
117	Kinetic analysis of aerobic biotransformation pathways of a perfluorooctane sulfonate (PFOS) precursor in distinctly different soils. Environmental Pollution, 2017, 229, 159-167.	7.5	38
118	Conflicting Roles of Coordination Number on Catalytic Performance of Single-Atom Pt Catalysts. ACS Catalysis, 2021, 11, 5586-5592.	11.2	38
119	Quantitative structureâ€“property relationships on photodegradation of polybrominated diphenyl ethers. Chemosphere, 2006, 64, 658-665.	8.2	37
120	Toxicity assessment of perfluorinated carboxylic acids (PFCAs) towards the rotifer Brachionus calyciflorus. Science of the Total Environment, 2014, 491-492, 266-270.	8.0	37
121	Directional electron transfer mechanisms with graphene quantum dots as the electron donor for photodecomposition of perfluorooctane sulfonate. Chemical Engineering Journal, 2017, 323, 406-414.	12.7	37
122	Adsorption and transformation of PAHs from water by a laccase-loading spider-type reactor. Journal of Hazardous Materials, 2013, 248-249, 254-260.	12.4	36
123	BiOCl Decorated NaNbO3 Nanocubes: A Novel p-n Heterojunction Photocatalyst With Improved Activity for Ofloxacin Degradation. Frontiers in Chemistry, 2018, 6, 393.	3.6	36
124	Structural Effects of Amines in Enhancing Methanesulfonic Acid-Driven New Particle Formation. Environmental Science & Technology, 2020, 54, 13498-13508.	10.0	36
125	Role of uniform pore structure and high positive charges in the arsenate adsorption performance of Al13-modified montmorillonite. Journal of Hazardous Materials, 2012, 203-204, 317-325.	12.4	35
126	Porous loofah-sponge-like ternary heterojunction g-C3N4/Bi2WO6/MoS2 for highly efficient photocatalytic degradation of sulfamethoxazole under visible-light irradiation. Chemosphere, 2021, 279, 130552.	8.2	35

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127	Photochemical degradation of nebivolol in different natural organic matter solutions under simulated sunlight irradiation: Kinetics, mechanism and degradation pathway. Water Research, 2020, 173, 115524.	11.3	35
128	Photocatalytic reduction of triclosan on Auâ€“Cu₂O nanowire arrays as plasmonic photocatalysts under visible light irradiation. Physical Chemistry Chemical Physics, 2015, 17, 17421-17428.	2.8	34
129	Electrokinetic Enhancement of Water Flux and Ion Rejection through Graphene Oxide/Carbon Nanotube Membrane. Environmental Science & Technology, 2020, 54, 15433-15441.	10.0	33
130	The role of UV-B on the degradation of PCDD/Fs and PAHs sorbed on surfaces of spruce (Picea abies (L.)) Tj ETQq0 0 0 rgBT /Overlock 10	8.0	32
131	Effects of carbonate and organic matter on sorption and desorption behavior of polycyclic aromatic hydrocarbons in the sediments from Yangtze River. Journal of Hazardous Materials, 2008, 154, 811-817.	12.4	32
132	Toxicological assessment of TiO2nanoparticles by recombinant Escherichia coli bacteria. Journal of Environmental Monitoring, 2011, 13, 42-48.	2.1	32
133	The electron structure and photocatalytic activity of Ti(IV) doped Bi2O3. Science China Chemistry, 2011, 54, 180-185.	8.2	32
134	Sedimentary records of metal speciation in the Yangtze Estuary: Role of hydrological events. Chemosphere, 2014, 107, 415-422.	8.2	32
135	Removal of PFAS from aqueous solution using PbO2 from lead-acid battery. Chemosphere, 2019, 219, 36-44.	8.2	32
136	Enhanced sorption of perfluorooctane sulfonate (PFOS) on carbon nanotube-filled electrospun nanofibrous membranes. Chemosphere, 2013, 93, 1593-1599.	8.2	31
137	Computer-Based First-Principles Kinetic Modeling of Degradation Pathways and Byproduct Fates in Aqueous-Phase Advanced Oxidation Processes. Environmental Science & Technology, 2014, 48, 5718-5725.	10.0	31
138	Electrochemical Degradation of Triclosan at a Ti/SnO₂â€Sb/Ceâ€PbO₂ Anode. Clean - Soil, Air, Water, 2015, 43, 958-966.	1.1	31
139	Synergistic removal of Cr(VI) and dye contaminants by 0D/2D bismuth molybdate homojunction photocatalyst under visible light. Applied Surface Science, 2019, 484, 1080-1088.	6.1	31
140	Green synthesis of high-performance supercapacitor electrode materials from agricultural corncob waste by mild potassium hydroxide soaking and a one-step carbonization. Industrial Crops and Products, 2021, 161, 113215.	5.2	31
141	One-Hundred-Year Sedimentary Record of Polycyclic Aromatic Hydrocarbons in Urban Lake Sediments from Wuhan, Central China. Water, Air, and Soil Pollution, 2011, 217, 577-587.	2.4	30
142	Fabrication of Bi2WO6 quantum dots/ultrathin nanosheets 0D/2D homojunctions with enhanced photocatalytic activity under visible light irradiation. Chinese Journal of Catalysis, 2018, 39, 1910-1918.	14.0	30
143	In situ synthesis of PPy-FexOy-CTS nanostructured gel membrane for highly efficient solar steam generation. Solar Energy Materials and Solar Cells, 2019, 201, 110046.	6.2	30
144	Electrochemical mineralization mechanisms of perfluorooctanoic acid in water assisted by low frequency ultrasound. Journal of Cleaner Production, 2020, 263, 121546.	9.3	30

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145	Removal of aqueous triclosan using TiO2 nanotube arrays reactive membrane by sequential adsorption and electrochemical degradation. Chemical Engineering Journal, 2021, 420, 127615.	12.7	30
146	Preparation and photocatalytic activity of nanoporous zirconia electrospun fiber mats. Materials Letters, 2011, 65, 3131-3133.	2.6	29
147	Electrochemical oxidation of 2,4,5-trichlorophenoxyacetic acid by metal-oxide-coated Ti electrodes. Chemosphere, 2015, 136, 145-152.	8.2	29
148	Full life-cycle toxicity assessment on triclosan using rotifer Brachionus calyciflorus. Ecotoxicology and Environmental Safety, 2016, 127, 30-35.	6.0	28
149	Synergistic effects of multiple heterojunctions significantly enhance the photocatalytic H2 evolution rate CdS/La2Ti2O7/NiS2 ternary composites. International Journal of Hydrogen Energy, 2019, 44, 19603-19613.	7.1	27
150	Modulating hierarchically microporous biochar via molten alkali treatment for efficient adsorption removal of perfluorinated carboxylic acids from wastewater. Science of the Total Environment, 2021, 757, 143719.	8.0	27
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