

Chuanyi Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

533 papers	30,865 citations	88 h-index	153 g-index
550 ext. papers	36,374 ext. citations	8.4 avg, IF	8.03 L-index

#	Paper	IF	Citations
533	Visible Light-Induced Catalyst-Free Activation of Peroxydisulfate: Pollutant-Dependent Production of Reactive Species.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	4
532	Recent optimization and panelizing measures for green energy projects; insights into CO2 emission influencing to circular economy. <i>Fuel</i> , 2022 , 314, 123094	7.1	12
531	Iron(V)/Iron(IV) species in graphitic carbon nitride-ferrate(VI)-visible light system: Enhanced oxidation of micropollutants. <i>Chemical Engineering Journal</i> , 2022 , 428, 132610	14.7	3
530	Automation in quantifying phenoxy herbicides and bentazon in surface water and groundwater using novel solid phase extraction and liquid chromatography tandem mass spectrometry. <i>Chemosphere</i> , 2022 , 286, 131927	8.4	2
529	Magnesium ferrite-nitrogen-doped graphene oxide nanocomposite: effective adsorptive removal of lead(II) and arsenic(III).. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
528	Activation of Peroxymonosulfate by Phosphate and Carbonate for the Abatement of Atrazine: Roles of Radical and Nonradical Species. <i>ACS ES&T Water</i> , 2022 , 2, 635-643		1
527	Oxygen vacancies-modified S-scheme Bi2Ti2O7/CaTiO3 heterojunction for highly efficient photocatalytic NO removal under visible light. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107420	6.8	0
526	Thermo-photodynamic perspective of the simultaneous S-Scheme ternary heterostructure through Ag3VO4 shuttle for the increased photo-redox ability. <i>Applied Materials Today</i> , 2022 , 27, 101435	6.6	
525	A critical review on plasma-catalytic removal of VOCs: Catalyst development, process parameters and synergetic reaction mechanism.. <i>Science of the Total Environment</i> , 2022 , 154290	10.2	1
524	Modulation of photocatalytic activity of SrBi2Ta2O9 nanosheets in NO removal by tuning facets exposure. <i>Journal of Materials Science and Technology</i> , 2022 , 122, 91-100	9.1	1
523	Reactivity of nitrogen species with inorganic and organic compounds in water.. <i>Chemosphere</i> , 2022 , 302, 134911	8.4	0
522	Metal-Free Phosphorus-Doped ZnIn2S4 Nanosheets for Enhanced Photocatalytic CO2 Reduction. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 23813-23820	3.8	7
521	Enhanced photocatalytic hydrogen production by loading histidine on TiO2. <i>JPhys Energy</i> , 2021 , 3, 014001	4.19	0
520	Paper-Based Vapor Detection of Formaldehyde: Colorimetric Sensing with High Sensitivity. <i>Chemosensors</i> , 2021 , 9, 335	4	2
519	Perylene Imide-Based Optical Chemosensors for Vapor Detection. <i>Chemosensors</i> , 2021 , 9, 1	4	7
518	Ultrasound and water flow driven piezophototronic effect in self-polarized flexible Fe2O3 containing PVDF nanofibers film for enhanced catalytic oxidation. <i>Nano Energy</i> , 2021 , 90, 106586	17.1	7
517	Reduction of Ionic Silver by Sulfur Dioxide as a Source of Silver Nanoparticles in the Environment. <i>Environmental Science & Technology</i> , 2021 , 55, 5569-5578	10.3	6

516	Metal Organic Frameworks (MOFs) as Photocatalysts for the Degradation of Agricultural Pollutants in Water. <i>ACS ES&T Engineering</i> , 2021 , 1, 804-826		20
515	Groundwater contamination with the threat of COVID-19: Insights into CSR theory of Carroll's pyramid. <i>Journal of King Saud University - Science</i> , 2021 , 33, 101295	3.6	27
514	Thermal coupled photocatalysis to enhance CO ₂ reduction activities on Ag loaded g-C ₃ N ₄ catalysts. <i>Surfaces and Interfaces</i> , 2021 , 23, 101006	4.1	6
513	K ₄ Nb ₆ O ₁₇ /Fe ₃ N ₄ /Fe ₂ O ₃ /C ₃ N ₄ as an enhanced visible light-driven quaternary photocatalyst for acetamiprid photodegradation, CO ₂ reduction, and cancer cells treatment. <i>Applied Surface Science</i> , 2021 , 544, 148939	6.7	14
512	Recyclable 0D/2D ZnFe ₂ O ₄ /Bi ₅ FeTi ₃ O ₁₅ S-scheme heterojunction with bismuth decoration for enhanced visible-light-driven tetracycline photodegradation. <i>Ceramics International</i> , 2021 , 47, 17109-17119	5.1	10
511	A subtle review on the challenges of photocatalytic fuel cell for sustainable power production. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 22877-22906	6.7	4
510	Peracetic Acid-Ruthenium(III) Oxidation Process for the Degradation of Micropollutants in Water. <i>Environmental Science & Technology</i> , 2021 , 55, 9150-9160	10.3	14
509	Mechanistic Investigation of Enhanced Photoreactivity of Dissolved Organic Matter after Chlorination. <i>Environmental Science & Technology</i> , 2021 , 55, 8937-8946	10.3	5
508	Synthesis of CaFeO-NGO Nanocomposite for Effective Removal of Heavy Metal Ion and Photocatalytic Degradation of Organic Pollutants. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
507	Constructing a Z-Scheme Heterojunction Photocatalyst of GaPO/Bi ₂ MoC/GaO without Mingling Type-II Heterojunction for CO Reduction to CO. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33034-33044	9.5	10
506	Advanced activation of persulfate by polymeric g-CN based photocatalysts for environmental remediation: A review. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125324	12.8	81
505	Generation of Iron(IV) in the Oxidation of Amines by Ferrate(VI): Theoretical Insight and Implications in Oxidizing Pharmaceuticals. <i>ACS ES&T Water</i> , 2021 , 1, 1932-1940		6
504	Boron- and phosphorous-doped graphene nanosheets and quantum dots as sensors and catalysts in environmental applications: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 4375	13.3	6
503	Enhanced photocatalytic NO removal and toxic NO ₂ production inhibition over ZIF-8-derived ZnO nanoparticles with controllable amount of oxygen vacancies. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 175-183	11.3	27
502	Efficient removal of mercury ions with MoS ₂ -nanosheet-decorated PVDF composite adsorption membrane. <i>Environmental Pollution</i> , 2021 , 268, 115705	9.3	14
501	One-pot synthesis of novel ternary Fe ₃ N ₄ /Fe ₂ O ₃ /C ₃ N ₄ photocatalyst for efficient removal of rhodamine B and CO ₂ reduction. <i>Journal of Alloys and Compounds</i> , 2021 , 852, 156955	5.7	37
500	Oxygen-doping of ZnIn ₂ S ₄ nanosheets towards boosted photocatalytic CO ₂ reduction. <i>Journal of Energy Chemistry</i> , 2021 , 57, 1-9	12	28
499	Confining single-atom Pd on g-C ₃ N ₄ with carbon vacancies towards enhanced photocatalytic NO conversion. <i>Applied Catalysis B: Environmental</i> , 2021 , 284, 119683	21.8	38

498	Near-infrared light to heat conversion in peroxydisulfate activation with MoS: A new photo-activation process for water treatment. <i>Water Research</i> , 2021 , 190, 116720	12.5	46
497	Effect of Metal Ions on Oxidation of Micropollutants by Ferrate(VI): Enhancing Role of Fe Species. <i>Environmental Science & Technology</i> , 2021 , 55, 623-633	10.3	31
496	Plasmonic Hot Electrons from Oxygen Vacancies for Infrared Light-Driven Catalytic CO ₂ Reduction on Bi ₂ O ₃ . <i>Angewandte Chemie</i> , 2021 , 133, 923-929	3.6	12
495	Plasmonic Hot Electrons from Oxygen Vacancies for Infrared Light-Driven Catalytic CO Reduction on Bi ₂ O ₃ . <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 910-916	16.4	59
494	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	13.3	10
493	Classical and alternative disinfection strategies to control the COVID-19 virus in healthcare facilities: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 1-7	13.3	16
492	Ferrate(VI) Oxidation of Pharmaceuticals in Hydrolyzed Urine: Enhancement by Creatinine and the Role of Fe(IV). <i>ACS ES&T Water</i> , 2021 , 1, 969-979		18
491	The interaction of AgO nanoparticles with Escherichia coli: inhibition-sterilization process. <i>Scientific Reports</i> , 2021 , 11, 1703	4.9	7
490	Current understanding of the surface contamination and contact transmission of SARS-CoV-2 in healthcare settings. <i>Environmental Chemistry Letters</i> , 2021 , 19, 1-10	13.3	19
489	A Dilute and Shoot Strategy for Determining Toxins in Tomato-Based Samples and in Different Flours Using LC-IDMS Separation. <i>Molecules</i> , 2021 , 26,	4.8	5
488	Enhanced removal of Cr(III)-EDTA chelates from high-salinity water by ternary complex formation on DETA functionalized magnetic carbon-based adsorbents. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 209, 111858	7	8
487	Degradation of perfluoroheptanoic acid in water by electron beam irradiation. <i>Environmental Chemistry Letters</i> , 2021 , 19, 2689-2694	13.3	1
486	Single-Atom Pd Sites on Carbon-Deficient g-C ₃ N ₄ for Photocatalytic H ₂ Evolution. <i>Transactions of Tianjin University</i> , 2021 , 27, 139-146	2.9	9
485	Revelation of Fe(V)/Fe(IV) Involvement in the Fe(VI)-ABTS System: Kinetic Modeling and Product Analysis. <i>Environmental Science & Technology</i> , 2021 , 55, 3976-3987	10.3	14
484	Metal-organic frameworks for environmental applications. <i>Cell Reports Physical Science</i> , 2021 , 2, 100348	6.1	18
483	Strain-Driven Polarized Electric Field-Promoted Photocatalytic Activity in Borate-Based CsCdBO ₃ Bulk Materials. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34202-34212	9.5	5
482	Improved charge carrier dynamics through a type II staggered Ce MOF/mc BiVO ₄ n-n heterojunction for enhanced visible light utilisation. <i>Applied Surface Science</i> , 2021 , 553, 149556	6.7	4
481	Photothermal catalytic CO ₂ hydrogenation over molybdenum carbides: Crystal structure and photothermocatalytic synergistic effects. <i>Journal of CO₂ Utilization</i> , 2021 , 49, 101562	7.6	6

480	Visible light-driven novel BiTiO/CaTiO composite photocatalyst with enhanced photocatalytic activity towards NO removal. <i>Chemosphere</i> , 2021 , 275, 130083	8.4	10
479	Oxidation of antibiotics by ferrate(VI) in water: Evaluation of their removal efficiency and toxicity changes. <i>Chemosphere</i> , 2021 , 277, 130365	8.4	12
478	Novel Ag decorated, BiOCl surface doped AgVO ₃ nanobelt ternary composite with Z-scheme homojunction-heterojunction interface for high prolific photo switching, quantum efficiency and hole mediated photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2021 , 293, 120224	21.8	25
477	Mechanistic insight of simultaneous removal of tetracycline and its related antibiotic resistance bacteria and genes by ferrate(VI). <i>Science of the Total Environment</i> , 2021 , 786, 147492	10.2	7
476	State-of-the-art and prospects of Zn-containing layered double hydroxides (Zn-LDH)-based materials for photocatalytic water remediation. <i>Chemosphere</i> , 2021 , 278, 130367	8.4	9
475	Ultralow Ru doping induced interface engineering in MOF derived ruthenium-cobalt oxide hollow nanobox for efficient water oxidation electrocatalysis. <i>Chemical Engineering Journal</i> , 2021 , 420, 129805	14.7	43
474	A meta-analysis of photocatalytic performance and efficiency of bismuth oxide (BiO _{2-x}). <i>Journal of Cleaner Production</i> , 2021 , 322, 129070	10.3	2
473	Insights into different dimensional MXenes for photocatalysis. <i>Chemical Engineering Journal</i> , 2021 , 424, 130340	14.7	16
472	Thermal coupled photocatalysis over Pt/g-C ₃ N ₄ for selectively reducing CO ₂ to CH ₄ via cooperation of the electronic metal-support interaction effect and the oxidation state of Pt. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120565	21.8	12
471	Degradation of PFOS and PFOA in soil and groundwater samples by high dose Electron Beam Technology. <i>Radiation Physics and Chemistry</i> , 2021 , 189, 109705	2.5	3
470	Polarization-enhanced photocatalytic activity in non-centrosymmetric materials based photocatalysis: A review. <i>Chemical Engineering Journal</i> , 2021 , 426, 131681	14.7	4
469	Sustainable ferrate oxidation: Reaction chemistry, mechanisms and removal of pollutants in wastewater. <i>Environmental Pollution</i> , 2021 , 290, 117957	9.3	20
468	Boosting thermo-photocatalytic CO conversion activity by using photosynthesis-inspired electron-proton-transfer mediators. <i>Nature Communications</i> , 2021 , 12, 123	17.4	23
467	Elucidating the Role of Dissolved Organic Matter and Sunlight in Mediating the Formation of Ag-Au Bimetallic Alloy Nanoparticles in the Aquatic Environment. <i>Environmental Science & Technology</i> , 2021 , 55, 1710-1720	10.3	3
466	Reactive High-Valent Iron Intermediates in Enhancing Treatment of Water by Ferrate.. <i>Environmental Science & Technology</i> , 2021 ,	10.3	6
465	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	21.8	36
464	Sulfidation of sea urchin-like zinc oxide nanospheres: Kinetics, mechanisms, and impacts on growth of Escherichia coli. <i>Science of the Total Environment</i> , 2020 , 741, 140415	10.2	3
463	Enhancement of photocatalytic NO removal activity of g-C ₃ N ₄ by modification with illite particles. <i>Environmental Science: Nano</i> , 2020 , 7, 1990-1998	7.1	9

462	Removal of microplastics from the environment. A review. <i>Environmental Chemistry Letters</i> , 2020 , 18, 807-828	13.3	125
461	Copper, silver, and titania nanoparticles do not release ions under anoxic conditions and release only minute ion levels under oxic conditions in water: Evidence for the low toxicity of nanoparticles. <i>Environmental Chemistry Letters</i> , 2020 , 18, 1319-1328	13.3	17
460	Enhanced Interface Charge Transfer of Z-Scheme Photocatalyst by Br Substitution at the Bay Position in Perylene Tetracarboxylic Diimide. <i>Solar Rrl</i> , 2020 , 4, 2000303	7.1	10
459	Cytotoxic Free Radicals on Air-Borne Soot Particles Generated by Burning Wood or Low-Maturity Coals. <i>Environmental Science & Technology</i> , 2020 , 54, 5608-5618	10.3	16
458	Revelation of ferrate(VI) unimolecular decay under alkaline conditions: Investigation of involvement of Fe(IV) and Fe(V) species. <i>Chemical Engineering Journal</i> , 2020 , 388, 124134	14.7	20
457	Enhanced removal of chromium(III) for aqueous solution by EDTA modified attapulgite: Adsorption performance and mechanism. <i>Science of the Total Environment</i> , 2020 , 720, 137391	10.2	17
456	Fenton reaction induced in-situ redox and re-complexation of polyphenol-Cr complex and their products. <i>Chemosphere</i> , 2020 , 250, 126214	8.4	16
455	Constructing FeCoSe ₂ /Co _{0.85} Se heterostructure catalysts for efficient oxygen evolution. <i>Journal of Alloys and Compounds</i> , 2020 , 825, 154073	5.7	12
454	Br-doping of g-C ₃ N ₄ towards enhanced photocatalytic performance in Cr(VI) reduction. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1498-1510	11.3	24
453	The photocatalytic performance and active sites of g-C ₃ N ₄ effected by the coordination doping of Fe(III). <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1564-1572	11.3	20
452	Enhanced removal of Cr(III) in high salt organic wastewater by EDTA modified magnetic mesoporous silica. <i>Microporous and Mesoporous Materials</i> , 2020 , 303, 110262	5.3	17
451	Determination of Toxins in Sunflower Oil by Liquid Chromatography Isotope Dilution Tandem Mass Spectrometry. <i>Molecules</i> , 2020 , 25,	4.8	10
450	Photocatalytic removal of NO by intercalated carbon nitride: The effect of group IIA element ions. <i>Applied Catalysis B: Environmental</i> , 2020 , 273, 119007	21.8	23
449	Strategic combination of N-doped graphene and g-C ₃ N ₄ : Efficient catalytic peroxymonosulfate-based oxidation of organic pollutants by non-radical-dominated processes. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 119005	21.8	70
448	Enhanced ferrate(VI) oxidation of micropollutants in water by carbonaceous materials: Elucidating surface functionality. <i>Chemical Engineering Journal</i> , 2020 , 398, 125607	14.7	29
447	Latest progress in g-C ₃ N ₄ based heterojunctions for hydrogen production via photocatalytic water splitting: a mini review. <i>JPhys Energy</i> , 2020 , 2, 042003	4.9	20
446	Visible light and fulvic acid assisted generation of Mn(III) to oxidize bisphenol A: The effect of tetrabromobisphenol A. <i>Water Research</i> , 2020 , 169, 115273	12.5	28
445	Black phosphorous-based nanostructures in environmental remediation: Current status and future perspectives. <i>Chemical Engineering Journal</i> , 2020 , 389, 123460	14.7	9

444	Three-dimensional open CoMoOx/CoMoSx/CoSx nanobox electrocatalysts for efficient oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020 , 265, 118605	21.8	109
443	Novel polyethyleneimine functionalized chitosan/gelatin composite sponge with nanowall-network structures for fast and efficient removal of Hg(II) ions from aqueous solution. <i>Environmental Science: Nano</i> , 2020 , 7, 793-802	7.1	30
442	Inactivation of Murine Norovirus and Fecal Coliforms by Ferrate(VI) in Secondary Effluent Wastewater. <i>Environmental Science & Technology</i> , 2020 , 54, 1878-1888	10.3	26
441	Amorphous Ti(IV)-modified flower-like ZnIn ₂ S ₄ microspheres with enhanced hydrogen evolution photocatalytic activity and simultaneous wastewater purification. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 2693-2699	7.1	9
440	Quantification of aromatic amines derived from azo colorants in textile by ion-pairing liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1137, 121957	3.2	3
439	Facile synthesis of Mo-doped TiO ₂ for selective photocatalytic CO ₂ reduction to methane: Promoted H ₂ O dissociation by Mo doping. <i>Journal of CO₂ Utilization</i> , 2020 , 38, 1-9	7.6	33
438	Regulation of Cell Uptake and Cytotoxicity by Nanoparticle Core under the Controlled Shape, Size, and Surface Chemistries. <i>ACS Nano</i> , 2020 , 14, 289-302	16.7	38
437	Determination of acrylamide in gingerbread and other food samples by HILIC-MS/MS: A dilute-and-shoot method. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1136, 121933	3.2	9
436	Interaction of Ag with soil organic matter: Elucidating the formation of silver nanoparticles. <i>Chemosphere</i> , 2020 , 243, 125413	8.4	19
435	Visible-light-driven Ag/AgCl@In ₂ O ₃ : a ternary photocatalyst for the degradation of tetracycline antibiotics. <i>Catalysis Science and Technology</i> , 2020 , 10, 8230-8239	5.5	8
434	Preparation of Cu/GO/Ti electrode by electrodeposition and its enhanced electrochemical reduction for aqueous nitrate. <i>Journal of Environmental Management</i> , 2020 , 276, 111357	7.9	12
433	Improved quantification of mass fraction of colorants in textile by high-performance liquid chromatography coupled with tandem mass spectrometric detector. <i>Accreditation and Quality Assurance</i> , 2020 , 25, 259-272	0.7	2
432	Atomic Layer Deposition of Mixed-Layered Aurivillius Phase on TiO Nanotubes: Synthesis, Characterization and Photoelectrocatalytic Properties. <i>Nanomaterials</i> , 2020 , 10,	5.4	15
431	Development of fluorescence surrogates to predict the ferrate(VI) oxidation of pharmaceuticals in wastewater effluents. <i>Water Research</i> , 2020 , 185, 116256	12.5	7
430	Efficient photocatalytic degradation of gaseous toluene over F-doped TiO ₂ /exfoliated bentonite. <i>Applied Surface Science</i> , 2020 , 530, 147286	6.7	25
429	Removal of Mercury Ions from Aqueous Solutions by Crosslinked Chitosan-based Adsorbents: A Mini Review. <i>Chemical Record</i> , 2020 , 20, 1220-1234	6.6	13
428	Carbon quantum dots implanted CdS nanosheets: Efficient visible-light-driven photocatalytic reduction of Cr(VI) under saline conditions. <i>Applied Catalysis B: Environmental</i> , 2020 , 262, 118306	21.8	71
427	Fate and risk of metal sulfide nanoparticles in the environment. <i>Environmental Chemistry Letters</i> , 2020 , 18, 97-111	13.3	15

426	Ferrate(VI) pretreatment before disinfection: An effective approach to controlling unsaturated and aromatic halo-disinfection byproducts in chlorinated and chloraminated drinking waters. <i>Environment International</i> , 2020 , 138, 105641	12.9	24
425	Mesoporous silicate/carbon composites derived from dye-loaded palygorskite clay waste for efficient removal of organic contaminants. <i>Science of the Total Environment</i> , 2019 , 696, 133955	10.2	22
424	Attachment of cerium oxide nanoparticles of different surface charges to kaolinite: Molecular and atomic mechanisms. <i>Environmental Research</i> , 2019 , 177, 108645	7.9	14
423	A three-dimensional macroporous network structured chitosan/cellulose biocomposite sponge for rapid and selective removal of mercury(II) ions from aqueous solution. <i>Chemical Engineering Journal</i> , 2019 , 363, 192-202	14.7	84
422	A systematic investigation on morphology tailoring, defect tuning and visible-light photocatalytic functionality of Ti-based perovskite nanostructures. <i>Catalysis Today</i> , 2019 , 335, 591-598	5.3	8
421	Environmental Antibiotics and Antibiotic Resistance: From Problems to Solutions. <i>Frontiers of Environmental Science and Engineering</i> , 2019 , 13, 1	5.8	12
420	Elimination of antibiotic resistance genes and control of horizontal transfer risk by UV-based treatment of drinking water: A mini review. <i>Frontiers of Environmental Science and Engineering</i> , 2019 , 13, 1	5.8	35
419	Interaction of benzo[a]pyrene with Cu(II)-montmorillonite: Generation and toxicity of environmentally persistent free radicals and reactive oxygen species. <i>Environment International</i> , 2019 , 129, 154-163	12.9	37
418	Colored TiO ₂ composites embedded on fabrics as photocatalysts: Decontamination of formaldehyde and deactivation of bacteria in water and air. <i>Chemical Engineering Journal</i> , 2019 , 375, 121949	14.7	17
417	Rapid removal of acesulfame potassium by acid-activated ferrate(VI) under mild alkaline conditions. <i>Chemosphere</i> , 2019 , 230, 416-423	8.4	18
416	Potential environmental risks of nanopesticides: Application of Cu(OH) nanopesticides to soil mitigates the degradation of neonicotinoid thiacloprid. <i>Environment International</i> , 2019 , 129, 42-50	12.9	29
415	Octahedral-shaped perovskite CaCu ₃ Ti ₄ O ₁₂ with dual defects and coexposed {(001), (111)} facets for visible-light photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 86-97	21.8	31
414	Removal of sulfachloropyridazine by ferrate(VI): Kinetics, reaction pathways, biodegradation, and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2019 , 372, 742-751	14.7	25
413	Mechanistic Insight into the Effect of Metal Ions on Photogeneration of Reactive Species from Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2019 , 53, 5778-5786	10.3	41
412	Light-driven thermocatalytic CO reduction over surface-passivated FeMoC nanowires: enhanced catalytic stability by light. <i>Chemical Communications</i> , 2019 , 55, 4651-4654	5.8	21
411	Active Site-Directed Tandem Catalysis on Single Platinum Nanoparticles for Efficient and Stable Oxidation of Formaldehyde at Room Temperature. <i>Environmental Science & Technology</i> , 2019 , 53, 3610-3619	10.3	31
410	Engineering of reduced graphene oxide on nanosheet g-C ₃ N ₄ /perylene imide heterojunction for enhanced photocatalytic redox performance. <i>Applied Catalysis B: Environmental</i> , 2019 , 250, 42-51	21.8	44
409	Improved photo-dechlorination at polar photocatalysts K ₃ B ₆ O ₁₀ X (X = Cl, Br) by halogen atoms-modulated polarization. <i>Catalysis Science and Technology</i> , 2019 , 9, 2273-2281	5.5	7

408	Two-Dimensional Layered Zinc Silicate Nanosheets with Excellent Photocatalytic Performance for Organic Pollutant Degradation and CO Conversion. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8103-8108	16.4	45
407	Two-Dimensional Layered Zinc Silicate Nanosheets with Excellent Photocatalytic Performance for Organic Pollutant Degradation and CO ₂ Conversion. <i>Angewandte Chemie</i> , 2019 , 131, 8187-8192	3.6	0
406	Nitrogen-sulfur co-doped industrial graphene as an efficient peroxymonosulfate activator: Singlet oxygen-dominated catalytic degradation of organic contaminants. <i>Applied Catalysis B: Environmental</i> , 2019 , 251, 335-345	21.8	162
405	Oxidation of Pharmaceuticals by Ferrate(VI) in Hydrolyzed Urine: Effects of Major Inorganic Constituents. <i>Environmental Science & Technology</i> , 2019 , 53, 5272-5281	10.3	59
404	Low-molecular-weight organic acids impede the degradation of naphthol in iron oxides/persulfate systems: Implications for research experiments in pure conditions. <i>Chemosphere</i> , 2019 , 225, 1-8	8.4	4
403	Oxidation of Sulfonamide Antibiotics of Six-Membered Heterocyclic Moiety by Ferrate(VI): Kinetics and Mechanistic Insight into SO Extrusion. <i>Environmental Science & Technology</i> , 2019 , 53, 2695-2704	10.3	58
402	CaCu ₃ Ti ₄ O ₁₂ , an efficient catalyst for ibuprofen removal by activation of peroxymonosulfate under visible-light irradiation. <i>Environmental Chemistry Letters</i> , 2019 , 17, 481-486	13.3	18
401	Formation and Evolution of Solvent-Extracted and Nonextractable Environmentally Persistent Free Radicals in Fly Ash of Municipal Solid Waste Incinerators. <i>Environmental Science & Technology</i> , 2019 , 53, 10120-10130	10.3	20
400	Amido-functionalized carboxymethyl chitosan/montmorillonite composite for highly efficient and cost-effective mercury removal from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2019 , 554, 479-487	9.3	37
399	Size-dependent maternal-fetal transfer and fetal developmental toxicity of ZnO nanoparticles after oral exposures in pregnant mice. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 182, 109439	7	33
398	Visible-light-enhanced electrocatalytic hydrogen production on semimetal bismuth nanorods. <i>Applied Surface Science</i> , 2019 , 494, 293-300	6.7	5
397	Ferrate(VI) pre-treatment and subsequent chlorination of blue-green algae: Quantification of disinfection byproducts. <i>Environment International</i> , 2019 , 133, 105195	12.9	31
396	Chitosan Encapsulation of Ferrate for Controlled Release to Water: Mechanistic Insights and Degradation of Organic Contaminant. <i>Scientific Reports</i> , 2019 , 9, 18268	4.9	6
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