

Wei Chu

List of Publications by Year in descending order

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323
papers

15,691
citations

14614

66
h-index

28224

105
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335
all docs

335
docs citations

335
times ranked

14392
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of atrazine by cobalt-mediated activation of peroxymonosulfate: Different cobalt counteranions in homogenous process and cobalt oxide catalysts in photolytic heterogeneous process. <i>Water Research</i> , 2009, 43, 2513-2521.	5.3	391
2	The Aqueous Degradation of Butylated Hydroxyanisole by UV/S ₂ O ₈ ²⁻ : Study of Reaction Mechanisms via Dimerization and Mineralization. <i>Environmental Science & Technology</i> , 2007, 41, 613-619.	4.6	390
3	Facile Route for Synthesizing Ordered Mesoporous Ni-Ce-Al Oxide Materials and Their Catalytic Performance for Methane Dry Reforming to Hydrogen and Syngas. <i>ACS Catalysis</i> , 2013, 3, 1638-1651.	5.5	362
4	Degradation of carbamazepine by Fe(II)-activated persulfate process. <i>Journal of Hazardous Materials</i> , 2014, 268, 23-32.	6.5	314
5	Quantitative prediction of direct and indirect dye ozonation kinetics. <i>Water Research</i> , 2000, 34, 3153-3160.	5.3	243
6	Environmental application of graphene-based CoFe ₂ O ₄ as an activator of peroxymonosulfate for the degradation of a plasticizer. <i>Chemical Engineering Journal</i> , 2015, 263, 435-443.	6.6	238
7	Modeling the heterogeneous peroxymonosulfate/Co-MCM41 process for the degradation of caffeine and the study of influence of cobalt sources. <i>Chemical Engineering Journal</i> , 2014, 235, 10-18.	6.6	218
8	Degradation of benzotriazole by a novel Fenton-like reaction with mesoporous Cu/MnO ₂ : Combination of adsorption and catalysis oxidation. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 447-457.	10.8	206
9	Dye Removal from Textile Dye Wastewater Using Recycled Alum Sludge. <i>Water Research</i> , 2001, 35, 3147-3152.	5.3	201
10	Enhanced photocatalytic degradation of ciprofloxacin over Bi ₂ O ₃ /(BiO) ₂ CO ₃ heterojunctions: Efficiency, kinetics, pathways, mechanisms and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2018, 334, 453-461.	6.6	198
11	The direct photolysis and photocatalytic degradation of alachlor at different TiO ₂ and UV sources. <i>Chemosphere</i> , 2003, 50, 981-987.	4.2	179
12	Coupling metal-organic frameworks and g-CN to derive Fe@N-doped graphene-like carbon for peroxymonosulfate activation: Upgrading framework stability and performance. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117763.	10.8	175
13	Crystal-plane effect of nanoscale CeO ₂ on the catalytic performance of Ni/CeO ₂ catalysts for methane dry reforming. <i>Catalysis Science and Technology</i> , 2016, 6, 3594-3605.	2.1	170
14	The Hydrogen Peroxide-Assisted Photocatalytic Degradation of Alachlor in TiO ₂ Suspensions. <i>Environmental Science & Technology</i> , 2003, 37, 2310-2316.	4.6	166
15	Degradation of a xanthene dye by Fe(II)-mediated activation of Oxone process. <i>Journal of Hazardous Materials</i> , 2011, 186, 1455-1461.	6.5	159
16	Catalytic degradation of caffeine in aqueous solutions by cobalt-MCM41 activation of peroxymonosulfate. <i>Applied Catalysis B: Environmental</i> , 2013, 134-135, 324-332.	10.8	150
17	The effect of solution pH and peroxide in the TiO ₂ -induced photocatalysis of chlorinated aniline. <i>Journal of Hazardous Materials</i> , 2007, 141, 86-91.	6.5	149
18	Glow-Discharge Plasma-Assisted Design of Cobalt Catalysts for Fischer-Tropsch Synthesis. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5052-5055.	7.2	149

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19	Cross-Coupled Macro-Mesoporous Carbon Network toward Record High Energy-Power Density Supercapacitor at 4 V. <i>Advanced Functional Materials</i> , 2018, 28, 1806153.	7.8	145
20	Nanoscaled magnetic CuFe ₂ O ₄ as an activator of peroxydisulfate for the degradation of antibiotics norfloxacin. <i>Separation and Purification Technology</i> , 2019, 212, 536-544.	3.9	141
21	Simultaneous adsorption of Cr(VI) and phenol by biochar-based iron oxide composites in water: Performance, kinetics and mechanism. <i>Journal of Hazardous Materials</i> , 2021, 416, 125930.	6.5	138
22	Modeling the reaction kinetics of Fenton's process on the removal of atrazine. <i>Chemosphere</i> , 2003, 51, 305-311.	4.2	137
23	Degradation of 2,4,5-trichlorophenoxyacetic acid by a novel Electro-Fe(II)/Oxone process using iron sheet as the sacrificial anode. <i>Water Research</i> , 2011, 45, 3883-3889.	5.3	137
24	Hybrid porous magnetic bentonite-chitosan beads for selective removal of radioactive cesium in water. <i>Journal of Hazardous Materials</i> , 2019, 362, 160-169.	6.5	135
25	Sulfate radical-based photo-Fenton reaction derived by CuBi ₂ O ₄ and its composites with Bi ₂ O ₃ under visible light irradiation: Catalyst fabrication, performance and reaction mechanism. <i>Applied Catalysis B: Environmental</i> , 2018, 235, 264-273.	10.8	133
26	A review on the bioenergetics of anaerobic microbial metabolism close to the thermodynamic limits and its implications for digestion applications. <i>Bioresource Technology</i> , 2018, 247, 1095-1106.	4.8	133
27	Novel carbon based Fe-Co oxides derived from Prussian blue analogues activating peroxydisulfate: Refractory drugs degradation without metal leaching. <i>Chemical Engineering Journal</i> , 2020, 379, 122274.	6.6	133
28	The mechanism of the surfactant-aided soil washing system for hydrophobic and partial hydrophobic organics. <i>Science of the Total Environment</i> , 2003, 307, 83-92.	3.9	129
29	Photocatalytic degradation and decomposition mechanism of fluoroquinolones norfloxacin over bismuth tungstate: Experiment and mathematic model. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 175-182.	10.8	126
30	Transition metal-embedded two-dimensional C ₃ N as a highly active electrocatalyst for oxygen evolution and reduction reactions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12050-12059.	5.2	123
31	The degradation of endocrine disruptor di-n-butyl phthalate by UV irradiation: A photolysis and product study. <i>Chemosphere</i> , 2005, 60, 1045-1053.	4.2	119
32	Degradation of antibiotic norfloxacin in aqueous solution by visible-light-mediated C-TiO ₂ photocatalysis. <i>Journal of Hazardous Materials</i> , 2012, 219-220, 183-189.	6.5	118
33	Environmental Remediation Applications of Carbon Nanotubes and Graphene Oxide: Adsorption and Catalysis. <i>Nanomaterials</i> , 2019, 9, 439.	1.9	117
34	The photocatalytic degradation of dicamba in TiO ₂ suspensions with the help of hydrogen peroxide by different near UV irradiations. <i>Water Research</i> , 2004, 38, 1037-1043.	5.3	115
35	Modeling the quantum yields of herbicide 2,4-D decay in UV/H ₂ O ₂ process. <i>Chemosphere</i> , 2001, 44, 935-941.	4.2	113
36	Synergistic oxidation of Bisphenol A in a heterogeneous ultrasound-enhanced sludge biochar catalyst/persulfate process: Reactivity and mechanism. <i>Journal of Hazardous Materials</i> , 2020, 384, 121385.	6.5	110

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37	Remediation of contaminated soil by a solvent/surfactant system. <i>Chemosphere</i> , 2003, 53, 9-15.	4.2	105
38	UiO-66-NH ₂ /GO Composite: Synthesis, Characterization and CO ₂ Adsorption Performance. <i>Materials</i> , 2018, 11, 589.	1.3	105
39	Visible light photocatalytic degradation of tetracycline with porous Ag/graphite carbon nitride plasmonic composite: Degradation pathways and mechanism. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 110-121.	5.0	105
40	High-density and Thermally Stable Palladium Single-Atom Catalysts for Chemoselective Hydrogenations. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21613-21619.	7.2	103
41	Ozonation of phenacetin in associated with a magnetic catalyst CuFe ₂ O ₄ : The reaction and transformation. <i>Chemical Engineering Journal</i> , 2015, 262, 552-562.	6.6	102
42	Lead metal removal by recycled alum sludge. <i>Water Research</i> , 1999, 33, 3019-3025.	5.3	99
43	Preparation and characterization of a plasma treated NiMgSBA-15 catalyst for methane reforming with CO ₂ to produce syngas. <i>Catalysis Science and Technology</i> , 2013, 3, 2278.	2.1	94
44	Determination and toxicity evaluation of the generated products in sulfamethoxazole degradation by UV/CoFe ₂ O ₄ /TiO ₂ . <i>Journal of Hazardous Materials</i> , 2016, 314, 197-203.	6.5	94
45	Strategies to extend near-infrared light harvest of polymer carbon nitride photocatalysts. <i>Coordination Chemistry Reviews</i> , 2021, 439, 213947.	9.5	94
46	Self-Propagated Flaming Synthesis of Highly Active Layered CuO- γ -MnO ₂ Hybrid Composites for Catalytic Total Oxidation of Toluene Pollutant. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21798-21808.	4.0	91
47	The nature of cobalt species in carbon nanotubes and their catalytic performance in Fischer-Tropsch reaction. <i>Journal of Materials Chemistry</i> , 2009, 19, 9241.	6.7	88
48	Near-Infrared Light Responsive TiO ₂ for Efficient Solar Energy Utilization. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	88
49	Photodechlorination of Polychlorobenzene Congeners in Surfactant Micelle Solutions. <i>Environmental Science & Technology</i> , 1994, 28, 2415-2422.	4.6	83
50	Heterogeneous Lollipop-like V ₂ O ₅ /ZnO Array: A Promising Composite Nanostructure for Visible Light Photocatalysis. <i>Langmuir</i> , 2010, 26, 11615-11620.	1.6	83
51	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
52	Photodegradation of 4-chlorophenoxyacetic acid under visible LED activated N-doped TiO ₂ and the mechanism of stepwise rate increment of the reused catalyst. <i>Journal of Hazardous Materials</i> , 2017, 338, 491-501.	6.5	80
53	Photodechlorination Mechanism of DDT in a UV/Surfactant System. <i>Environmental Science & Technology</i> , 1999, 33, 421-425.	4.6	79
54	Photodegradation of 2,4-dichlorophenoxyacetic acid in various iron-mediated oxidation systems. <i>Water Research</i> , 2003, 37, 4405-4412.	5.3	79

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55	Photo-assisted degradation of 2,4,5-trichlorophenoxyacetic acid by Fe(II)-catalyzed activation of Oxone process: The role of UV irradiation, reaction mechanism and mineralization. <i>Applied Catalysis B: Environmental</i> , 2012, 123-124, 151-161.	10.8	76
56	Low-temperature catalytic combustion of methane over MnO _x /CeO ₂ mixed oxide catalysts: Effect of preparation method. <i>Catalysis Letters</i> , 2007, 113, 59-64.	1.4	73
57	Degradation of iopromide by combined UV irradiation and peroxydisulfate. <i>Journal of Hazardous Materials</i> , 2010, 181, 508-513.	6.5	73
58	Experimental and Modeling Study of Methane Adsorption on Activated Carbon Derived from Anthracite. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 4919-4926.	1.0	72
59	Effects of Combined and Sequential Addition of Dual Oxidants (H ₂ O ₂ /S ₂ O ₈ ²⁻) on the Aqueous Carbofuran Photodegradation. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 10047-10052.	2.4	71
60	Diphenamid degradation via sulfite activation under visible LED using Fe (III) impregnated N-doped TiO ₂ photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 823-835.	10.8	71
61	Synergy of sulfate and hydroxyl radicals in UV/S ₂ O ₈ ²⁻ /H ₂ O ₂ oxidation of iodinated X-ray contrast medium iopromide. <i>Chemical Engineering Journal</i> , 2011, 178, 154-160.	6.6	70
62	Remediation of Contaminated Soils by Surfactant-Aided Soil Washing. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2003, 7, 19-24.	0.4	69
63	In Situ Coprecipitation Formed Highly Water-Dispersible Magnetic Chitosan Nanopowder for Removal of Heavy Metals and Its Adsorption Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16754-16765.	3.2	68
64	Efficient Degradation of an Antibiotic Norfloxacin in Aqueous Solution via a Simulated Solar-Light-Mediated Bi ₂ WO ₆ Process. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 4887-4893.	1.8	67
65	Self-assembled Ni/NiO/RGO heterostructures for high-performance supercapacitors. <i>RSC Advances</i> , 2015, 5, 77958-77964.	1.7	67
66	Removal of herbicide atrazine by a novel biochar based iron composite coupling with peroxydisulfate process from soil: Synergistic effect and mechanism. <i>Chemical Engineering Journal</i> , 2021, 409, 127684.	6.6	67
67	Comparison of phenacetin degradation in aqueous solutions by catalytic ozonation with CuFe ₂ O ₄ and its precursor: Surface properties, intermediates and reaction mechanisms. <i>Chemical Engineering Journal</i> , 2016, 284, 28-36.	6.6	66
68	Strategic combination of nitrogen-doped carbon quantum dots and g-C ₃ N ₄ : Efficient photocatalytic peroxydisulfate for the degradation of tetracycline hydrochloride and mechanism insight. <i>Separation and Purification Technology</i> , 2021, 272, 118947.	3.9	65
69	A study of kinetic modelling and reaction pathway of 2,4-dichlorophenol transformation by photo-fenton-like oxidation. <i>Journal of Hazardous Materials</i> , 2005, 121, 119-126.	6.5	64
70	A systematic study of the degradation of dimethyl phthalate using a high-frequency ultrasonic process. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 892-899.	3.8	64
71	The role of organic ligands in ferrous-induced photochemical degradation of 2,4-dichlorophenoxyacetic acid. <i>Chemosphere</i> , 2007, 67, 1601-1611.	4.2	63
72	Removals of Cr(VI) and Cd(II) by a novel nanoscale zero valent iron/peroxydisulfate process and its Fenton-like oxidation of pesticide atrazine: Coexisting effect, products and mechanism. <i>Chemical Engineering Journal</i> , 2020, 397, 125382.	6.6	63

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73	Magnetically recyclable hollow Co@B nanospindles as catalysts for hydrogen generation from ammonia borane. <i>Journal of Materials Science</i> , 2010, 45, 2862-2867.	1.7	62
74	Reaction Mechanism of Linuron Degradation in TiO ₂ Suspension under Visible Light Irradiation with the Assistance of H ₂ O ₂ . <i>Environmental Science & Technology</i> , 2009, 43, 6183-6189.	4.6	61
75	In situ controllable assembly of layered-double-hydroxide-based nickel nanocatalysts for carbon dioxide reforming of methane. <i>Catalysis Science and Technology</i> , 2015, 5, 1588-1597.	2.1	60
76	FeS ₂ assisted degradation of atrazine by bentonite-supported nZVI coupling with hydrogen peroxide process in water: Performance and mechanism. <i>Science of the Total Environment</i> , 2021, 754, 142155.	3.9	60
77	Photo-sensitization of diazo disperse dye in aqueous acetone. <i>Chemosphere</i> , 1999, 39, 1667-1677.	4.2	59
78	Photocatalytic oxidation of carbamazepine in triclinic-WO ₃ suspension: Role of alcohol and sulfate radicals in the degradation pathway. <i>Applied Catalysis A: General</i> , 2013, 468, 240-249.	2.2	58
79	Heterogeneous catalytic ozonation of phenacetin in water using magnetic spinel ferrite as catalyst: Comparison of surface property and efficiency. <i>Journal of Molecular Catalysis A</i> , 2015, 396, 164-173.	4.8	58
80	Degradation of 2,4-dichlorophenol by a novel iron based system and its synergism with Cd(II) immobilization in a contaminated soil. <i>Chemical Engineering Journal</i> , 2020, 379, 122313.	6.6	58
81	Phototransformations of Polychlorobiphenyls in Brij 58 Micellar Solutions. <i>Environmental Science & Technology</i> , 1998, 32, 1989-1993.	4.6	56
82	Model applications and mechanism study on the degradation of atrazine by Fenton's system. <i>Journal of Hazardous Materials</i> , 2005, 118, 227-237.	6.5	56
83	A study of the reaction mechanisms of the degradation of 2,4-dichlorophenoxyacetic acid by oxalate-mediated photooxidation. <i>Water Research</i> , 2004, 38, 4213-4221.	5.3	55
84	Ultrasound-assisted heterogeneous activation of peroxymonosulphate by natural pyrite for 2,4-dichlorophenol degradation in water: Synergistic effects, pathway and mechanism. <i>Chemical Engineering Journal</i> , 2020, 389, 123771.	6.6	55
85	The prediction of partitioning coefficients for chemicals causing environmental concern. <i>Science of the Total Environment</i> , 2000, 248, 1-10.	3.9	54
86	H ₂ O ₂ assisted degradation of antibiotic norfloxacin over simulated solar light mediated Bi ₂ WO ₆ : Kinetics and reaction pathway. <i>Chemical Engineering Journal</i> , 2016, 296, 310-318.	6.6	53
87	S-doped TiO ₂ photocatalyst for visible LED mediated oxone activation: Kinetics and mechanism study for the photocatalytic degradation of pyrimethanil fungicide. <i>Chemical Engineering Journal</i> , 2021, 411, 128450.	6.6	53
88	Mesoporous Ni/Ce _{1-x} Ni _x O _{2-y} heterostructure as an efficient catalyst for converting greenhouse gas to H ₂ and syngas. <i>Catalysis Science and Technology</i> , 2016, 6, 851-862.	2.1	52
89	Novel highly porous magnetic hydrogel beads composed of chitosan and sodium citrate: an effective adsorbent for the removal of heavy metals from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2017, 24, 16520-16530.	2.7	52
90	Degradation of atrazine by modified stepwise-Fenton TM s processes. <i>Chemosphere</i> , 2007, 67, 755-761.	4.2	51

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91	Phosgene-Free Synthesis of Phenyl Isocyanate by Catalytic Decomposition of Methyl N-Phenyl Carbamate over Bi ₂ O ₃ Catalyst. <i>Catalysis Letters</i> , 2008, 123, 307-316.	1.4	51
92	Facile synthesis of homogeneous hollow microsphere Cu-Mn based catalysts for catalytic oxidation of toluene. <i>Chemosphere</i> , 2020, 247, 125812.	4.2	50
93	Recent advances in single-atom electrocatalysts supported on two-dimensional materials for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9979-9999.	5.2	50
94	Observations of 2,4,6-trichlorophenol degradation by ozone. <i>Chemosphere</i> , 2003, 51, 237-243.	4.2	49
95	Promotion Effects of Platinum and Ruthenium on Carbon Nanotube Supported Cobalt Catalysts for Fischer-Tropsch Synthesis. <i>Catalysis Letters</i> , 2011, 141, 438-444.	1.4	49
96	Defect engineering in polymeric carbon nitride photocatalyst: Synthesis, properties and characterizations. <i>Advances in Colloid and Interface Science</i> , 2021, 296, 102523.	7.0	49
97	Modeling the two stages of surfactant-aided soil washing. <i>Water Research</i> , 2001, 35, 761-767.	5.3	48
98	Degradation of the endocrine disruptor carbofuran by UV, O ₃ and O ₃ /UV. <i>Water Science and Technology</i> , 2007, 55, 275-280.	1.2	47
99	Linuron decomposition in aqueous semiconductor suspension under visible light irradiation with and without H ₂ O ₂ . <i>Chemical Engineering Journal</i> , 2010, 158, 181-187.	6.6	47
100	Efficient degradation, mineralization and toxicity reduction of sulfamethoxazole under photo-activation of peroxymonosulfate by ferrate (VI). <i>Chemical Engineering Journal</i> , 2020, 389, 124084.	6.6	47
101	Sonopholytic degradation of dimethyl phthalate without catalyst: Analysis of the synergistic effect and modeling. <i>Water Research</i> , 2013, 47, 1996-2004.	5.3	46
102	Degradation of di-n-butyl phthalate by a homogeneous sono-photo-Fenton process with in situ generated hydrogen peroxide. <i>Chemical Engineering Journal</i> , 2014, 240, 541-547.	6.6	46
103	Implication of iron nitride species to enhance the catalytic activity and stability of carbon nanotubes supported Fe catalysts for carbon-free hydrogen production via low-temperature ammonia decomposition. <i>Catalysis Science and Technology</i> , 2018, 8, 907-915.	2.1	46
104	Application of Fourier transform ion cyclotron resonance mass spectrometry to characterize natural organic matter. <i>Chemosphere</i> , 2020, 260, 127458.	4.2	46
105	Adsorption and Removal of a Xanthene Dye from Aqueous Solution Using Two Solid Wastes as Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 8734-8741.	1.8	45
106	Hydrogen Production by Ethanol Steam Reforming on NiCuMgAl Catalysts Derived from Hydrotalcite-Like Precursors. <i>Catalysis Letters</i> , 2011, 141, 1228-1236.	1.4	45
107	Photocatalytic oxidation of monuron in the suspension of WO ₃ under the irradiation of UV-visible light. <i>Chemosphere</i> , 2012, 86, 1079-1086.	4.2	45
108	Regulation of Ni-CNT Interaction on Mn-Promoted Nickel Nanocatalysts Supported on Oxygenated CNTs for CO ₂ Selective Hydrogenation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41224-41236.	4.0	45

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109	Ibuprofen degradation and toxicity evolution during Fe ²⁺ /Oxone/UV process. <i>Chemosphere</i> , 2017, 167, 415-421.	4.2	44
110	Flexible metal-templated fabrication of mesoporous onion-like carbon and Fe ₂ O ₃ @N-doped carbon foam for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13012-13020.	5.2	44
111	Microwave-Assisted Synthesis of NiCo ₂ O ₄ Double-Shelled Hollow Spheres for High-Performance Sodium Ion Batteries. <i>Nano-Micro Letters</i> , 2018, 10, 13.	14.4	44
112	Application of ultrasonic wave to clean the surface of the TiO ₂ nanotubes prepared by the electrochemical anodization. <i>Applied Surface Science</i> , 2011, 257, 8478-8480.	3.1	43
113	Acceleration and Quenching of the Photolysis of PCB in the Presence of Surfactant and Humic Materials. <i>Environmental Science & Technology</i> , 2005, 39, 9211-9216.	4.6	42
114	A systematic study on photocatalysis of antipyrine: Catalyst characterization, parameter optimization, reaction mechanism and toxicity evolution to plankton. <i>Water Research</i> , 2017, 112, 167-175.	5.3	42
115	An unconventional approach to studying the reaction kinetics of the Fenton's oxidation of 2,4-dichlorophenoxyacetic acid. <i>Chemosphere</i> , 2004, 57, 1165-1171.	4.2	41
116	A new approach to quantify the degradation kinetics of linuron with UV, ozonation and UV/O ₃ processes. <i>Chemosphere</i> , 2009, 74, 1444-1449.	4.2	41
117	Atrazine degradation using chemical-free process of USLIV: Analysis of the micro-heterogeneous environments and the degradation mechanisms. <i>Journal of Hazardous Materials</i> , 2014, 275, 166-174.	6.5	41
118	UV/ peroxymonosulfate process for degradation of chloral hydrate: Pathway and the role of radicals. <i>Journal of Hazardous Materials</i> , 2021, 401, 123837.	6.5	41
119	Mesoporous Co ²⁺ -Ni ²⁺ -H nanowires: superior catalysts for decomposition of hydrous hydrazine to generate hydrogen. <i>Catalysis Science and Technology</i> , 2014, 4, 3168.	2.1	40
120	Solar photocatalytic degradation of ibuprofen with a magnetic catalyst: Effects of parameters, efficiency in effluent, mechanism and toxicity evolution. <i>Environmental Pollution</i> , 2021, 276, 116691.	3.7	40
121	Synthesis, characterization and capacitive performance of hydrous manganese dioxide nanostructures. <i>Nanotechnology</i> , 2011, 22, 125703.	1.3	39
122	Modeling the ozonation of 2,4-dichlorophenoxyacetic acid through a kinetic approach. <i>Water Research</i> , 2003, 37, 39-46.	5.3	38
123	Reaction pathways and kinetics of butylated hydroxyanisole with UV, ozonation, and UV/O ₃ processes. <i>Water Research</i> , 2007, 41, 765-774.	5.3	38
124	One-pot Synthesis of Ordered Mesoporous NiCeAl Oxide Catalysts and a Study of Their Performance in Methane Dry Reforming. <i>ChemCatChem</i> , 2014, 6, 1470-1480.	1.8	38
125	Monuron photodegradation using peroxymonosulfate activated by non-metal-doped TiO ₂ under visible LED and the modeling via a parallel-serial kinetic approach. <i>Chemical Engineering Journal</i> , 2018, 338, 411-421.	6.6	38
126	Formation and interdependence of disinfection byproducts during chlorination of natural organic matter in a conventional drinking water treatment plant. <i>Chemosphere</i> , 2020, 242, 125227.	4.2	38

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127	Facile synthesis of high-surface-area activated carbon from coal for supercapacitors and high CO ₂ sorption. RSC Advances, 2016, 6, 42019-42028.	1.7	37
128	Mechanism of enhanced diclofenac mineralization by catalytic ozonation over iron silicate-loaded pumice. Separation and Purification Technology, 2017, 173, 55-62.	3.9	37
129	Prediction of carbofuran degradation based on the hydroxyl radical's generation using the Fe(III) impregnated N doped-TiO ₂ /H ₂ O ₂ /visible LED photo-Fenton-like process. Chemical Engineering Journal, 2020, 382, 122930.	6.6	37
130	Removal of antibiotics sulfadiazine by a biochar based material activated persulfate oxidation system: Performance, products and mechanism. Chemical Engineering Research and Design, 2022, 157, 411-419.	2.7	37
131	Biosourced Foam-Like Activated Carbon Materials as High-Performance Supercapacitors. Advanced Sustainable Systems, 2018, 2, 1700123.	2.7	36
132	An Efficient Photocatalyst for Fast Reduction of Cr(VI) by Ultra-Trace Silver Enhanced Titania in Aqueous Solution. Catalysts, 2018, 8, 251.	1.6	36
133	Probing the enhanced catalytic activity of carbon nanotube supported Ni-LaO _x hybrids for the CO ₂ reduction reaction. Nanoscale, 2018, 10, 14207-14219.	2.8	36
134	Treatment of trichlorophenol by catalytic oxidation process. Water Research, 2003, 37, 2339-2346.	5.3	35
135	Cerium Promoted Nano Nickel Catalysts Ni-Ce/CNTs and Ni-Ce/Al ₂ O ₃ for CO ₂ Methanation. Integrated Ferroelectrics, 2014, 151, 116-125.	0.3	35
136	Plasma-Treated Bimetallic Ni-Pt Catalysts Derived from Hydrotalcites for the Carbon Dioxide Reforming of Methane. Catalysis Letters, 2014, 144, 293-300.	1.4	35
137	Sonophotolytic degradation of phthalate acid esters in water and wastewater: Influence of compound properties and degradation mechanisms. Journal of Hazardous Materials, 2015, 288, 43-50.	6.5	35
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