

# Wei Chu

## List of Publications by Citations

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320  
papers

11,469  
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57  
h-index

89  
g-index

335  
ext. papers

13,456  
ext. citations

8.3  
avg, IF

7.1  
L-index

#	Paper	IF	Citations
320	The aqueous degradation of butylated hydroxyanisole by UV/S <sub>2</sub> O <sub>8</sub> ( <sup>2-</sup> ): study of reaction mechanisms via dimerization and mineralization. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 613-619	10.3	341
319	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> , <b>2009</b> , 43, 2513-21	12.5	322
318	Facile Route for Synthesizing Ordered Mesoporous Ni <sub>0.5</sub> Al <sub>1.5</sub> O <sub>4</sub> Oxide Materials and Their Catalytic Performance for Methane Dry Reforming to Hydrogen and Syngas. <i>ACS Catalysis</i> , <b>2013</b> , 3, 1638-1651	13.1	283
317	Degradation of carbamazepine by Fe(II)-activated persulfate process. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 268, 23-32	12.8	224
316	Quantitative prediction of direct and indirect dye ozonation kinetics. <i>Water Research</i> , <b>2000</b> , 34, 3153-3160	10.5	221
315	Environmental application of graphene-based CoFe <sub>2</sub> O <sub>4</sub> as an activator of peroxymonosulfate for the degradation of a plasticizer. <i>Chemical Engineering Journal</i> , <b>2015</b> , 263, 435-443	14.7	200
314	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> , <b>2014</b> , 235, 10-18	14.7	168
313	Dye removal from textile dye wastewater using recycled alum sludge. <i>Water Research</i> , <b>2001</b> , 35, 3147-52	12.5	167
312	The hydrogen peroxide-assisted photocatalytic degradation of alachlor in TiO <sub>2</sub> suspensions. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 2310-6	10.3	154
311	The direct photolysis and photocatalytic degradation of alachlor at different TiO <sub>2</sub> and UV sources. <i>Chemosphere</i> , <b>2003</b> , 50, 981-7	8.4	152
310	Degradation of benzotriazole by a novel Fenton-like reaction with mesoporous Cu/MnO <sub>2</sub> : Combination of adsorption and catalysis oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 199, 447-457	21.8	139
309	Glow-discharge plasma-assisted design of cobalt catalysts for Fischer-Tropsch synthesis. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5052-5	16.4	136
308	Enhanced photocatalytic degradation of ciprofloxacin over Bi <sub>2</sub> O <sub>3</sub> /(BiO) <sub>2</sub> CO <sub>3</sub> heterojunctions: Efficiency, kinetics, pathways, mechanisms and toxicity evaluation. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 453-461	14.7	133
307	The effect of solution pH and peroxide in the TiO <sub>2</sub> -induced photocatalysis of chlorinated aniline. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 141, 86-91	12.8	132
306	Degradation of a xanthene dye by Fe(II)-mediated activation of Oxone process. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 1455-61	12.8	129
305	Catalytic degradation of caffeine in aqueous solutions by cobalt-MCM41 activation of peroxymonosulfate. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 134-135, 324-332	21.8	122
304	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> , <b>2011</b> , 45, 3883-9	12.5	116

303	The mechanism of the surfactant-aided soil washing system for hydrophobic and partial hydrophobic organics. <i>Science of the Total Environment</i> , <b>2003</b> , 307, 83-92	10.2	109
302	Cross-Coupled Macro-Mesoporous Carbon Network toward Record High Energy-Power Density Supercapacitor at 4 V. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1806153	15.6	109
301	Modeling the reaction kinetics of Fenton's process on the removal of atrazine. <i>Chemosphere</i> , <b>2003</b> , 51, 305-11	8.4	106
300	The photocatalytic degradation of dicamba in TiO <sub>2</sub> suspensions with the help of hydrogen peroxide by different near UV irradiations. <i>Water Research</i> , <b>2004</b> , 38, 1037-43	12.5	105
299	Degradation of antibiotic norfloxacin in aqueous solution by visible-light-mediated C-TiO <sub>2</sub> photocatalysis. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 219-220, 183-9	12.8	104
298	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> , <b>2019</b> , 255, 117763	21.8	103
297	Crystal-plane effect of nanoscale CeO <sub>2</sub> on the catalytic performance of Ni/CeO <sub>2</sub> catalysts for methane dry reforming. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 3594-3605	5.5	103
296	Modeling the quantum yields of herbicide 2,4-D decay in UV/H <sub>2</sub> O <sub>2</sub> process. <i>Chemosphere</i> , <b>2001</b> , 44, 935-41	8.4	101
295	Photocatalytic degradation and decomposition mechanism of fluoroquinolones norfloxacin over bismuth tungstate: Experiment and mathematic model. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 168-169, 175-182	21.8	98
294	The degradation of endocrine disruptor di-n-butyl phthalate by UV irradiation: a photolysis and product study. <i>Chemosphere</i> , <b>2005</b> , 60, 1045-53	8.4	96
293	A review on the bioenergetics of anaerobic microbial metabolism close to the thermodynamic limits and its implications for digestion applications. <i>Bioresource Technology</i> , <b>2018</b> , 247, 1095-1106	11	89
292	Lead metal removal by recycled alum sludge. <i>Water Research</i> , <b>1999</b> , 33, 3019-3025	12.5	88
291	Sulfate radical-based photo-Fenton reaction derived by CuBi <sub>2</sub> O <sub>4</sub> and its composites with Bi <sub>2</sub> O <sub>3</sub> under visible light irradiation: Catalyst fabrication, performance and reaction mechanism. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 235, 264-273	21.8	85
290	Remediation of contaminated soil by a solvent/surfactant system. <i>Chemosphere</i> , <b>2003</b> , 53, 9-15	8.4	83
289	Nanoscaled magnetic CuFe <sub>2</sub> O <sub>4</sub> as an activator of peroxymonosulfate for the degradation of antibiotics norfloxacin. <i>Separation and Purification Technology</i> , <b>2019</b> , 212, 536-544	8.3	83
288	Preparation and characterization of a plasma treated NiMgSBA-15 catalyst for methane reforming with CO <sub>2</sub> to produce syngas. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 2278	5.5	82
287	The nature of cobalt species in carbon nanotubes and their catalytic performance in Fischer-Tropsch reaction. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 9241		81
286	Hybrid porous magnetic bentonite-chitosan beads for selective removal of radioactive cesium in water. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 362, 160-169	12.8	81

285	Transition metal-embedded two-dimensional C <sub>3</sub> N as a highly active electrocatalyst for oxygen evolution and reduction reactions. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12050-12059	13	78
284	Novel carbon based Fe-Co oxides derived from Prussian blue analogues activating peroxymonosulfate: Refractory drugs degradation without metal leaching. <i>Chemical Engineering Journal</i> , <b>2020</b> , 379, 122274	14.7	78
283	Ozonation of phenacetin in associated with a magnetic catalyst CuFe <sub>2</sub> O <sub>4</sub> : The reaction and transformation. <i>Chemical Engineering Journal</i> , <b>2015</b> , 262, 552-562	14.7	76
282	Photodechlorination of polychlorobenzene congeners in surfactant micelle solutions. <i>Environmental Science &amp; Technology</i> , <b>1994</b> , 28, 2415-22	10.3	75
281	Heterogeneous lollipop-like V <sub>2</sub> O <sub>5</sub> /ZnO array: a promising composite nanostructure for visible light photocatalysis. <i>Langmuir</i> , <b>2010</b> , 26, 11615-20	4	74
280	Photodegradation of 2,4-dichlorophenoxyacetic acid in various iron-mediated oxidation systems. <i>Water Research</i> , <b>2003</b> , 37, 4405-12	12.5	72
279	Photodechlorination Mechanism of DDT in a UV/Surfactant System. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 421-425	10.3	71
278	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> , <b>2016</b> , 314, 197-203	12.8	69
277	Low-temperature catalytic combustion of methane over MnO <sub>x</sub> /CeO <sub>2</sub> mixed oxide catalysts: Effect of preparation method. <i>Catalysis Letters</i> , <b>2007</b> , 113, 59-64	2.8	68
276	Synergistic oxidation of Bisphenol A in a heterogeneous ultrasound-enhanced sludge biochar catalyst/persulfate process: Reactivity and mechanism. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 384, 121385	12.8	68
275	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> , <b>2012</b> , 123-124, 151-161	21.8	65
274	Environmental Remediation Applications of Carbon Nanotubes and Graphene Oxide: Adsorption and Catalysis. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	64
273	Degradation of iopromide by combined UV irradiation and peroxydisulfate. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 181, 508-13	12.8	63
272	A study of kinetic modelling and reaction pathway of 2,4-dichlorophenol transformation by photo-fenton-like oxidation. <i>Journal of Hazardous Materials</i> , <b>2005</b> , 121, 119-26	12.8	62
271	Self-Propagated Flaming Synthesis of Highly Active Layered CuO-MnO Hybrid Composites for Catalytic Total Oxidation of Toluene Pollutant. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 21798-21808	9.5	61
270	Experimental and Modeling Study of Methane Adsorption on Activated Carbon Derived from Anthracite. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 4919-4926	2.8	60
269	Efficient Degradation of an Antibiotic Norfloxacin in Aqueous Solution via a Simulated Solar-Light-Mediated Bi <sub>2</sub> WO <sub>6</sub> Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 4887-4893	2.9	59
268	Synergy of sulfate and hydroxyl radicals in UV/S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> /H <sub>2</sub> O <sub>2</sub> oxidation of iodinated X-ray contrast medium iopromide. <i>Chemical Engineering Journal</i> , <b>2011</b> , 178, 154-160	14.7	59

267	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> , <b>2020</b> , 574, 110-121	9.3	57
266	Effects of combined and sequential addition of dual oxidants (H <sub>2</sub> O <sub>2</sub> /S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> ) on the aqueous carbofuran photodegradation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 10047-52	5.7	57
265	Magnetically recyclable hollow CoB nanospindles as catalysts for hydrogen generation from ammonia borane. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 2862-2867	4.3	56
264	The role of organic ligands in ferrous-induced photochemical degradation of 2,4-dichlorophenoxyacetic acid. <i>Chemosphere</i> , <b>2007</b> , 67, 1601-11	8.4	56
263	UiO-66-NH <sub>2</sub> /RGO Composite: Synthesis, Characterization and CO <sub>2</sub> Adsorption Performance. <i>Materials</i> , <b>2018</b> , 11,	3.5	55
262	Reaction mechanism of linuron degradation in TiO <sub>2</sub> suspension under visible light irradiation with the assistance of H <sub>2</sub> O <sub>2</sub> . <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 6183-9	10.3	55
261	Remediation of Contaminated Soils by Surfactant-Aided Soil Washing. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , <b>2003</b> , 7, 19-24		55
260	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> , <b>2018</b> , 6, 16754-16765	8.3	55
259	Self-assembled Ni/NiO/RGO heterostructures for high-performance supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 77958-77964	3.7	54
258	A study of the reaction mechanisms of the degradation of 2,4-dichlorophenoxyacetic acid by oxalate-mediated photooxidation. <i>Water Research</i> , <b>2004</b> , 38, 4213-21	12.5	51
257	Photodegradation of 4-chlorophenoxyacetic acid under visible LED activated N-doped TiO <sub>2</sub> and the mechanism of stepwise rate increment of the reused catalyst. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 338, 491-501	12.8	51
256	Comparison of phenacetin degradation in aqueous solutions by catalytic ozonation with CuFe <sub>2</sub> O <sub>4</sub> and its precursor: Surface properties, intermediates and reaction mechanisms. <i>Chemical Engineering Journal</i> , <b>2016</b> , 284, 28-36	14.7	49
255	A systematic study of the degradation of dimethyl phthalate using a high-frequency ultrasonic process. <i>Ultrasonics Sonochemistry</i> , <b>2013</b> , 20, 892-9	8.9	49
254	Phototransformations of Polychlorobiphenyls in Brij 58 Micellar Solutions. <i>Environmental Science &amp; Technology</i> , <b>1998</b> , 32, 1989-1993	10.3	49
253	In situ controllable assembly of layered-double-hydroxide-based nickel nanocatalysts for carbon dioxide reforming of methane. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 1588-1597	5.5	48
252	Degradation of atrazine by modified stepwise-Fenton's processes. <i>Chemosphere</i> , <b>2007</b> , 67, 755-61	8.4	47
251	Model applications and mechanism study on the degradation of atrazine by Fenton's system. <i>Journal of Hazardous Materials</i> , <b>2005</b> , 118, 227-37	12.8	47
250	Diphenamid degradation via sulfite activation under visible LED using Fe (III) impregnated N-doped TiO <sub>2</sub> photocatalyst. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 244, 823-835	21.8	47

249	The prediction of partitioning coefficients for chemicals causing environmental concern. <i>Science of the Total Environment</i> , <b>2000</b> , 248, 1-10	10.2	46
248	Photocatalytic oxidation of carbamazepine in triclinic-WO <sub>3</sub> suspension: Role of alcohol and sulfate radicals in the degradation pathway. <i>Applied Catalysis A: General</i> , <b>2013</b> , 468, 240-249	5.1	45
247	Promotion Effects of Platinum and Ruthenium on Carbon Nanotube Supported Cobalt Catalysts for Fischer-Tropsch Synthesis. <i>Catalysis Letters</i> , <b>2011</b> , 141, 438-444	2.8	45
246	H <sub>2</sub> O <sub>2</sub> assisted degradation of antibiotic norfloxacin over simulated solar light mediated Bi <sub>2</sub> WO <sub>6</sub> : Kinetics and reaction pathway. <i>Chemical Engineering Journal</i> , <b>2016</b> , 296, 310-318	14.7	45
245	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> , <b>2015</b> , 396, 164-173		44
244	High-Density and Thermally Stable Palladium Single-Atom Catalysts for Chemoselective Hydrogenations. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 21613-21619	16.4	44
243	Phosgene-Free Synthesis of Phenyl Isocyanate by Catalytic Decomposition of Methyl N-Phenyl Carbamate over Bi <sub>2</sub> O <sub>3</sub> Catalyst. <i>Catalysis Letters</i> , <b>2008</b> , 123, 307-316	2.8	43
242	Photo-sensitization of diazo disperse dye in aqueous acetone. <i>Chemosphere</i> , <b>1999</b> , 39, 1667-1677	8.4	43
241	Adsorption and Removal of a Xanthene Dye from Aqueous Solution Using Two Solid Wastes as Adsorbents. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 8734-8741	3.9	42
240	Hydrogen Production by Ethanol Steam Reforming on NiCuMgAl Catalysts Derived from Hydrotalcite-Like Precursors. <i>Catalysis Letters</i> , <b>2011</b> , 141, 1228-1236	2.8	42
239	Linuron decomposition in aqueous semiconductor suspension under visible light irradiation with and without H <sub>2</sub> O <sub>2</sub> . <i>Chemical Engineering Journal</i> , <b>2010</b> , 158, 181-187	14.7	42
238	Degradation of the endocrine disruptor carbofuran by UV, O <sub>3</sub> and O <sub>3</sub> /UV. <i>Water Science and Technology</i> , <b>2007</b> , 55, 275-80	2.2	42
237	Mesoporous Ni/Ce <sub>1-x</sub> Ni <sub>x</sub> O <sub>2-y</sub> heterostructure as an efficient catalyst for converting greenhouse gas to H <sub>2</sub> and syngas. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 851-862	5.5	41
236	Acceleration and quenching of the photolysis of PCB in the presence of surfactant and humic materials. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 9211-6	10.3	41
235	Observations of 2,4,6-trichlorophenol degradation by ozone. <i>Chemosphere</i> , <b>2003</b> , 51, 237-43	8.4	41
234	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> , <b>2017</b> , 24, 16520-16530	5.1	40
233	Modeling the two stages of surfactant-aided soil washing. <i>Water Research</i> , <b>2001</b> , 35, 761-7	12.5	40
232	Sonophotolytic degradation of dimethyl phthalate without catalyst: analysis of the synergistic effect and modeling. <i>Water Research</i> , <b>2013</b> , 47, 1996-2004	12.5	39

231	Photocatalytic oxidation of monuron in the suspension of WO <sub>3</sub> under the irradiation of UV-visible light. <i>Chemosphere</i> , <b>2012</b> , 86, 1079-86	8.4	39
230	An unconventional approach to studying the reaction kinetics of the Fenton's oxidation of 2,4-dichlorophenoxyacetic acid. <i>Chemosphere</i> , <b>2004</b> , 57, 1165-71	8.4	39
229	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> , <b>2021</b> , 416, 125930	12.8	38
228	Ibuprofen degradation and toxicity evolution during Fe/Oxone/UV process. <i>Chemosphere</i> , <b>2017</b> , 167, 415-421	8.4	36
227	Synthesis, characterization and capacitive performance of hydrous manganese dioxide nanostructures. <i>Nanotechnology</i> , <b>2011</b> , 22, 125703	3.4	36
226	Novel CuCoO 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 &amp; Interfaces</i> , <b>2020</b> , 12, 20522-20535	9.5	36
225	Atrazine degradation using chemical-free process of USUV: analysis of the micro-heterogeneous environments and the degradation mechanisms. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 275, 166-74	12.8	35
224	A new approach to quantify the degradation kinetics of linuron with UV, ozonation and UV/O <sub>3</sub> processes. <i>Chemosphere</i> , <b>2009</b> , 74, 1444-9	8.4	35
223	Application of ultrasonic wave to clean the surface of the TiO <sub>2</sub> nanotubes prepared by the electrochemical anodization. <i>Applied Surface Science</i> , <b>2011</b> , 257, 8478-8480	6.7	35
222	Modeling the ozonation of 2,4-dichlorophoxyacetic acid through a kinetic approach. <i>Water Research</i> , <b>2003</b> , 37, 39-46	12.5	35
221	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> , <b>2020</b> , 379, 122313	14.7	35
220	Mesoporous Co <sub>3</sub> Ni <sub>4</sub> nanowires: superior catalysts for decomposition of hydrous hydrazine to generate hydrogen. <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 3168	5.5	34
219	Effect of humic acid on the photolysis of the pesticide atrazine in a surfactant-aided soil-washing system in acidic condition. <i>Water Research</i> , <b>2005</b> , 39, 2154-66	12.5	34
218	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> , <b>2020</b> , 397, 125382	14.7	34
217	Flexible metal-templated fabrication of mesoporous onion-like carbon and Fe <sub>2</sub> O <sub>3</sub> @N-doped carbon foam for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13012-13020 <sup>13</sup>		32
216	PAA/alumina composites prepared with different molecular weight polymers and utilized as support for nickel-based catalyst. <i>Advances in Polymer Technology</i> , <b>2018</b> , 37, 2325-2335	1.9	32
215	Treatment of trichlorophenol by catalytic oxidation process. <i>Water Research</i> , <b>2003</b> , 37, 2339-46	12.5	32
214	Degradation of di-n-butyl phthalate by a homogeneous sono-photo-Benton process with in situ generated hydrogen peroxide. <i>Chemical Engineering Journal</i> , <b>2014</b> , 240, 541-547	14.7	31

213	Mechanism of enhanced diclofenac mineralization by catalytic ozonation over iron silicate-loaded pumice. <i>Separation and Purification Technology</i> , <b>2017</b> , 173, 55-62	8.3	31
212	Reaction pathways and kinetics of butylated hydroxyanisole with UV, ozonation, and UV/O(3) processes. <i>Water Research</i> , <b>2007</b> , 41, 765-74	12.5	31
211	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> , <b>2020</b> , 389, 123771	14.7	31
210	Microwave-Assisted Synthesis of NiCoO Double-Shelled Hollow Spheres for High-Performance Sodium Ion Batteries. <i>Nano-Micro Letters</i> , <b>2018</b> , 10, 13	19.5	31
209	Cerium Promoted Nano Nickel Catalysts Ni-Ce/CNTs and Ni-Ce/Al <sub>2</sub> O <sub>3</sub> for CO <sub>2</sub> Methanation. <i>Integrated Ferroelectrics</i> , <b>2014</b> , 151, 116-125	0.8	30
208	A systematic study on photocatalysis of antipyrine: Catalyst characterization, parameter optimization, reaction mechanism a toxicity evolution to plankton. <i>Water Research</i> , <b>2017</b> , 112, 167-175	12.5	29
207	Plasma-Treated Bimetallic NiPt Catalysts Derived from Hydrotalcites for the Carbon Dioxide Reforming of Methane. <i>Catalysis Letters</i> , <b>2014</b> , 144, 293-300	2.8	28
206	Atrazine removal by catalytic oxidation processes with or without UV irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2005</b> , 58, 165-174	21.8	28
205	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> , <b>2018</b> , 8, 907-915	5.5	27
204	Effect of a second metal (Co, Cu, Mn or Zr) on nickel catalysts derived from hydrotalcites for the carbon dioxide reforming of methane. <i>RSC Advances</i> , <b>2016</b> , 6, 70537-70546	3.7	27
203	Biosourced Foam-Like Activated Carbon Materials as High-Performance Supercapacitors. <i>Advanced Sustainable Systems</i> , <b>2018</b> , 2, 1700123	5.9	26
202	Monuron photodegradation using peroxymonosulfate activated by non-metal-doped TiO <sub>2</sub> under visible LED and the modeling via a parallel-serial kinetic approach. <i>Chemical Engineering Journal</i> , <b>2018</b> , 338, 411-421	14.7	26
201	Photodegradation of Sulfamethoxazole with a Recyclable Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 12763-12769	3.9	26
200	Sonophotolytic degradation of phthalate acid esters in water and wastewater: influence of compound properties and degradation mechanisms. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 288, 43-50	12.8	26
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