

Wei Chu

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.

320
papers

11,469
citations

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	G-CN-induced acceleration of Fe/Fe cycles for enhancing metronidazole degradation in Fe/peroxymonosulfate process under visible light.. <i>Chemosphere</i> , 2022 , 133611	8.4	3
319	Peroxymonosulfate-assisted photocatalytic degradation of antibiotic norfloxacin by a calcium-based Ag ₃ PO ₄ composite in water: Reactivity, products and mechanism. <i>Journal of Cleaner Production</i> , 2022 , 330, 129806	10.3	1
318	Removal of antibiotics sulfadiazine by a biochar based material activated persulfate oxidation system: Performance, products and mechanism. <i>Chemical Engineering Research and Design</i> , 2022 , 157, 411-419	5.5	5
317	Bisphenol S degradation via persulfate activation under UV-LED using mixed catalysts: Synergistic effect of Cu-TiO and Zn-TiO for catalysis. <i>Chemosphere</i> , 2022 , 286, 131797	8.4	4
316	Two-dimensional layered carbon-based catalytic ozonation for water purification: Rational design of catalysts and an in-depth understanding of the interfacial reaction mechanism.. <i>Science of the Total Environment</i> , 2022 , 832, 155071	10.2	0
315	Degradation of 1-Naphthylamine by a UV enhanced Fe ²⁺ /Peroxymonosulfate system: A novel pH-dependent activation pathway. <i>Chemical Engineering Journal</i> , 2022 , 136299	14.7	0
314	Synchronous removal of Cr(VI) and phosphates by a novel crayfish shell biochar-Fe composite from aqueous solution: Reactivity and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107396	6.8	1
313	Enhanced degradation of metronidazole by cobalt doped TiO ₂ /sulfite process under visible light. <i>Separation and Purification Technology</i> , 2022 , 291, 120900	8.3	0
312	Near-Infrared Light Responsive TiO ₂ for Efficient Solar Energy Utilization. <i>Advanced Functional Materials</i> , 2022 , 32, 2108977	15.6	9
311	Controlling oxygen vacancies of CoMn ₂ O ₄ by loading on planar and tubular clay minerals and its application for boosted PMS activation. <i>Journal of Hazardous Materials</i> , 2022 , 129060	12.8	0
310	Unveiling the Origin of Alkali Metal (Na, K, Rb, and Cs) Promotion in CO ₂ Dissociation over Mo ₂ C Catalysts. <i>Materials</i> , 2022 , 15, 3775	3.5	1
309	Cooperation of multi-walled carbon nanotubes and cobalt doped TiO ₂ to activate peroxymonosulfate for antipyrine photocatalytic degradation. <i>Separation and Purification Technology</i> , 2021 , 119996	8.3	6
308	Insights into the removal of Cr(VI) by a biochar/iron composite from aqueous solution: Reactivity, kinetics and mechanism. <i>Environmental Technology and Innovation</i> , 2021 , 24, 102057	7	4
307	Photocatalysis of naphthalene by Fe ₃ O ₄ /Oxone/UV: Simultaneous radical and non-radical pathways. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105076	6.8	3
306	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	9.3	16
305	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	14.7	22
304	Tuning the Chemical Properties of Co-Ti C T MXene Materials for Catalytic CO Reduction. <i>Small</i> , 2021 , 17, e2007509	11	9

303	Variations of disinfection byproduct precursors through conventional drinking water treatment processes and a real-time monitoring method.. <i>Chemosphere</i> , 2021 , 272, 129930	8.4	3
302	Strategies to extend near-infrared light harvest of polymer carbon nitride photocatalysts. <i>Coordination Chemistry Reviews</i> , 2021 , 439, 213947	23.2	21
301	Efficient activation of oxone by pyrite for the degradation of propanil: Kinetics and degradation pathway. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123930	12.8	16
300	A new insight on enhanced Pb(II) removal by sludge biochar catalyst coupling with ultrasound irradiation and its synergism with phenol removal. <i>Chemosphere</i> , 2021 , 263, 128287	8.4	12
299	UV/ peroxymonosulfate process for degradation of chloral hydrate: Pathway and the role of radicals. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123837	12.8	14
298	Application of Fourier transform ion cyclotron resonance mass spectrometry in deciphering molecular composition of soil organic matter: A review. <i>Science of the Total Environment</i> , 2021 , 756, 144140 ²	10.2	4
297	Removal of herbicide atrazine by a novel biochar based iron composite coupling with peroxymonosulfate process from soil: Synergistic effect and mechanism. <i>Chemical Engineering Journal</i> , 2021 , 409, 127684	14.7	26
296	FeS 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	10.2	26
295	Ultrasound-assisted catalytic reduction of Cr(VI) by an acid mine drainage based nZVI coupling with FeS system from aqueous solutions: Performance and mechanism. <i>Journal of Environmental Management</i> , 2021 , 278, 111518	7.9	14
294	One-step plasma-enabled catalytic carbon dioxide hydrogenation to higher hydrocarbons: significance of catalyst-bed configuration. <i>Green Chemistry</i> , 2021 , 23, 1642-1647	10	7
293	Insights into key parameters of MnO ₂ catalyst toward high catalytic combustion performance. <i>Journal of Materials Science</i> , 2021 , 56, 6361-6373	4.3	3
292	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	13	15
291	Transition-metal single atoms embedded into defective BC as efficient electrocatalysts for oxygen evolution and reduction reactions. <i>Nanoscale</i> , 2021 , 13, 1331-1339	7.7	11
290	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	12.8	38
289	Chitosan-Derived Porous N-Doped Carbon as a Promising Support for Ru Catalysts in One-Pot Conversion of Cellobiose to Hexitol. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12655-12662	8.3	2
288	Peroxymonosulfate/LaCoO ₃ system for tetracycline degradation: Performance and effects of co-existing inorganic anions and natural organic matter. <i>Journal of Water Process Engineering</i> , 2021 , 43, 102231	6.7	6
287	Defect engineering in polymeric carbon nitride photocatalyst: Synthesis, properties and characterizations. <i>Advances in Colloid and Interface Science</i> , 2021 , 296, 102523	14.3	9
286	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	8.3	23

285	Converting Poisonous Sulfate Species to an Active Promoter on TiO Predecorated MnO Catalysts for the NH-SCR Reaction.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 61237-61247	9.5	1
284	Cooperation of Fe(II) and peroxymonosulfate for enhancement of sulfamethoxazole photodegradation: mechanism study and toxicity elimination.. <i>RSC Advances</i> , 2020 , 10, 35646-35657	3.7	4
283	Synergetic Bimetallic NiCo/CNT Catalyst for Hydrogen Production by Glycerol Steam Reforming: Effects of Metal Species Distribution. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 17259-17268	3.9	11
282	Degradation of methotrexate by UV/peroxymonosulfate: Kinetics, effect of operational parameters and mechanism. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 2658-2667	3.2	10
281	Diphenamid photodegradation using Fe(III) impregnated N-doped TiO/sulfite/visible LED process: Influence of wastewater matrix, kinetic modeling, and toxicity evaluation. <i>Chemosphere</i> , 2020 , 256, 127094	8.4	7
280	Microemulsion solvating-out co-precipitation strategy for fabricating highly active CuZnO/Al ₂ O ₃ dual site catalysts for reverse water gas shift. <i>Catalysis Science and Technology</i> , 2020 , 10, 2343-2352	5.5	2
279	Application of Fourier transform ion cyclotron resonance mass spectrometry to characterize natural organic matter. <i>Chemosphere</i> , 2020 , 260, 127458	8.4	17
278	Degradation of Triclosan by Recyclable MnFe ₂ O ₄ -Activated PMS: Process Modification for Reduced Toxicity and Enhanced Performance. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4257-4264	3.9	11
277	Toward a comparative description between transition metal and zeolite catalysts for methanol conversion. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 5293-5300	3.6	3
276	Facile synthesis of homogeneous hollow microsphere Cu-Mn based catalysts for catalytic oxidation of toluene. <i>Chemosphere</i> , 2020 , 247, 125812	8.4	20
275	Efficient degradation, mineralization and toxicity reduction of sulfamethoxazole under photo-activation of peroxymonosulfate by ferrate (VI). <i>Chemical Engineering Journal</i> , 2020 , 389, 124084	14.7	18
274	Tuning Interfacial Electron Transfer by Anchoring NiFe-LDH on In-situ Grown Cu ₂ O for Enhancing Oxygen Evolution. <i>Catalysis Letters</i> , 2020 , 150, 3049-3057	2.8	4
273	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	9.3	57
272	Impacts of Mo Promotion on Nickel-Based Catalysts for the Synthesis of High Quality Carbon Nanotubes Using CO ₂ as the Carbon Source. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 1109-1117	11.7	1
271	Insight into Adsorption of CH ₄ and H ₂ on Doped Graphene with Nonmetallic Atom (N, P, S): A Density Functional Theory Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 1288-1295	1.3	
270	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	14.7	34
269	Computational screening of transition metal-doped phthalocyanine monolayers for oxygen evolution and reduction. <i>Nanoscale Advances</i> , 2020 , 2, 710-716	5.1	8
268	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	8.4	24

267	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	14.7	31
266	A comparative study on phenazone degradation by sulfate radicals based processes. <i>Environmental Research</i> , 2020 , 191, 110054	7.9	3
265	Spectral and mass spectrometric characteristics of different molecular weight fractions of dissolved organic matter. <i>Separation and Purification Technology</i> , 2020 , 253, 117390	8.3	11
264	Highly Efficient SiC-Supported Ni-Based Catalysts with Enhanced Recycle Stability for One-Pot Cellobiose Hydrolytic Hydrogenation to Hexitols. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 ,	8.3	2
263	High-Density and Thermally Stable Palladium Single-Atom Catalysts for Chemoselective Hydrogenations. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21613-21619	16.4	44
262	Facile Fabrication of Nickel Aluminum Layered Double Hydroxide/Carbon Nanotube Electrodes Toward High-Performance Supercapacitors. <i>ACS Omega</i> , 2020 , 5, 24693-24699	3.9	2
261	Enhanced heterogeneous hydration of SO through immobilization of pyridinic-N on carbon materials. <i>Royal Society Open Science</i> , 2020 , 7, 192248	3.3	
260	Microwave-assisted hydrothermal synthesis of lithium-rich layered oxide cathode materials with high stability. <i>Ionics</i> , 2020 , 26, 6013-6022	2.7	1
259	Prediction of carbofuran degradation based on the hydroxyl radical generation using the FeIII impregnated N doped-TiO ₂ /H ₂ O ₂ /visible LED photo-Fenton-like process. <i>Chemical Engineering Journal</i> , 2020 , 382, 122930	14.7	20
258	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	12.8	68
257	Novel carbon based Fe-Co oxides derived from Prussian blue analogues activating peroxymonosulfate: Refractory drugs degradation without metal leaching. <i>Chemical Engineering Journal</i> , 2020 , 379, 122274	14.7	78
256	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	14.7	35
255	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 & Interfaces</i> , 2020 , 12, 20522-20535	9.5	36
254	A periodic density functional theory study of adsorption of CO ₂ on anorthite (001) surface and effect of water. <i>Journal of Theoretical and Computational Chemistry</i> , 2019 , 18, 1950010	1.8	3
253	Triclosan removal by heterogeneous Fenton-like process: Studying the kinetics and surface chemistry of Fe ₃ O ₄ as catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103432	6.8	10
252	Toward Computational Design of Catalysts for CO ₂ Selective Reduction via Reaction Phase Diagram Analysis. <i>Advanced Theory and Simulations</i> , 2019 , 2, 1800200	3.5	10
251	Exploring a broadened operating pH range for norfloxacin removal via simulated solar-light-mediated Bi ₂ WO ₆ process. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 673-680	11.3	12
250	Efficient degradation of bisphenol A using High-Frequency Ultrasound: Analysis of influencing factors and mechanistic investigation. <i>Journal of Cleaner Production</i> , 2019 , 232, 1195-1203	10.3	13

249	Various Metals (Ce, In, La, and Fe) Promoted Pt/Sn-SBA-15 as Highly Stable Catalysts for Propane Dehydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 10804-10818	3.9	15
248	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	21.8	103
247	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	13	78
246	Environmental Remediation Applications of Carbon Nanotubes and Graphene Oxide: Adsorption and Catalysis. <i>Nanomaterials</i> , 2019 , 9,	5.4	64
245	Synthesis of Cu ₂ O Catalysts for Methanol Decomposition to Hydrogen Production via Deposition-Precipitation with Urea Method. <i>Catalysis Letters</i> , 2019 , 149, 2671-2682	2.8	9
244	Utilization of photochemical circulation between NO ₃ ⁻ and NO ₂ ⁻ in water to degrade photoinert dimethyl phthalate: Influence of organic media and mechanism study. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 117958	21.8	14
243	Insights into peroxymonosulfate activation for carbofuran degradation under visible LED via a double-component photocatalyst of Fe (III) impregnated N-doped TiO ₂ . <i>Chemosphere</i> , 2019 , 237, 124487	8.4	12
242	ZIF-67 Derived Hollow Structured Co ₃ O ₄ Nanocatalysts: Tunable Synthetic Strategy Induced Enhanced Catalytic Performance. <i>Catalysis Letters</i> , 2019 , 149, 3058-3065	2.8	3
241	Improved Catalytic Performance of Ethane Dehydrogenation in the Presence of CO over Zr-Promoted Cr/SiO ₂ . <i>ACS Omega</i> , 2019 , 4, 22562-22573	3.9	18
240	Confined PtNi catalysts for enhanced catalytic performances in one-pot cellobiose conversion to hexitols: a combined experimental and DFT study. <i>Green Chemistry</i> , 2019 , 21, 5999-6011	10	8
239	Hybrid porous magnetic bentonite-chitosan beads for selective removal of radioactive cesium in water. <i>Journal of Hazardous Materials</i> , 2019 , 362, 160-169	12.8	81
238	Nanoscaled magnetic CuFe ₂ O ₄ as an activator of peroxymonosulfate for the degradation of antibiotics norfloxacin. <i>Separation and Purification Technology</i> , 2019 , 212, 536-544	8.3	83
237	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	21.8	47
236	Optimizing the removal of nitrate from aqueous solutions via reduced graphite oxide-supported nZVI: synthesis, characterization, kinetics, and reduction mechanism. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 3932-3945	5.1	10
235	Naphthalene degradation by Fe/Oxone/UV - Applying an unconventional kinetics model and studying the reaction mechanism. <i>Chemosphere</i> , 2019 , 218, 110-118	8.4	20
234	Remarkable effect of Co substitution in magnetite on the reduction removal of Cr(VI) coupled with aqueous Fe(II): Improvement mechanism and Cr fate. <i>Science of the Total Environment</i> , 2019 , 656, 400-408	10.2	10
233	In situ co-precipitation preparation of a superparamagnetic graphene oxide/FeO nanocomposite as an adsorbent for wastewater purification: synthesis, characterization, kinetics, and isotherm studies. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 17310-17320	5.1	19
232	Enhancement of UV-assisted TiO ₂ degradation of ibuprofen using Fenton hybrid process at circumneutral pH. <i>Chinese Journal of Catalysis</i> , 2018 , 39, 701-709	11.3	10

231	Improvement of zinc substitution in the reactivity of magnetite coupled with aqueous Fe(II) towards nitrobenzene reduction. <i>Journal of Colloid and Interface Science</i> , 2018 , 517, 104-112	9.3	6
230	Pd nanoparticles immobilized on carbon nanotubes with a polyaniline coaxial coating for the Heck reaction: coating thickness as the key factor influencing the efficiency and stability of the catalyst. <i>Catalysis Science and Technology</i> , 2018 , 8, 1423-1434	5.5	19
229	Biosourced Foam-Like Activated Carbon Materials as High-Performance Supercapacitors. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1700123	5.9	26
228	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	5.5	27
227	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	14.7	26
226	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 ¹³		32
225	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	21.8	85
224	Permanganate with a double-edge role in photodegradation of sulfamethoxazole: Kinetic, reaction mechanism and toxicity. <i>Chemosphere</i> , 2018 , 191, 494-502	8.4	15
223	Formation of multi-layered chitosan honeycomb spheres via breath-figure-like approach in combination with co-precipitation processing. <i>Materials Letters</i> , 2018 , 211, 91-95	3.3	22
222	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	14.7	133
221	PAA/alumina composites prepared with different molecular weight polymers and utilized as support for nickel-based catalyst. <i>Advances in Polymer Technology</i> , 2018 , 37, 2325-2335	1.9	32
220	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	11	89
219	An Efficient Photocatalyst for Fast Reduction of Cr(VI) by Ultra-Trace Silver Enhanced Titania in Aqueous Solution. <i>Catalysts</i> , 2018 , 8, 251	4	15
218	UiO-66-NH ₂ /GO Composite: Synthesis, Characterization and CO ₂ Adsorption Performance. <i>Materials</i> , 2018 , 11,	3.5	55
217	Probing the enhanced catalytic activity of carbon nanotube supported Ni-LaO hybrids for the CO reduction reaction. <i>Nanoscale</i> , 2018 , 10, 14207-14219	7.7	22
216	Microwave-Assisted Synthesis of NiCoO Double-Shelled Hollow Spheres for High-Performance Sodium Ion Batteries. <i>Nano-Micro Letters</i> , 2018 , 10, 13	19.5	31
215	Regulation of Ni-CNT Interaction on Mn-Promoted Nickel Nanocatalysts Supported on Oxygenated CNTs for CO Selective Hydrogenation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41224-41236	9.5	26
214	Carbon Nanotubes Supported Nickel as the Highly Efficient Catalyst for Hydrogen Production through Glycerol Steam Reforming. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14403-14413	8.3	21

213	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	8.3	55
212	Cross-Coupled Macro-Mesoporous Carbon Network toward Record High Energy-Power Density Supercapacitor at 4 V. <i>Advanced Functional Materials</i> , 2018 , 28, 1806153	15.6	109
211	Assembling Carbon into Anatase TiO ₂ as Interstitial Atoms towards Photocatalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 4370-4374	2.3	5
210	A systematic study on photocatalysis of antipyrine: Catalyst characterization, parameter optimization, reaction mechanism a toxicity evolution to plankton. <i>Water Research</i> , 2017 , 112, 167-175	12.5	29
209	Layered Double Hydroxides Derived ZnO-Al ₂ O ₃ Supported Pd-Ag Catalysts for Selective Hydrogenation of Acetylene. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 1009-1015	4.9	9
208	Physicochemical Studies of Adsorptive Denitrogenation by Oxidized Activated Carbons. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 5033-5041	3.9	18
207	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	5.1	40
206	Atmospheric Discharge Plasma Enhanced Preparation of Pd/TiO ₂ Catalysts for Acetylene Selective Hydrogenation. <i>Topics in Catalysis</i> , 2017 , 60, 1009-1015	2.3	8
205	Self-Propagated Flaming Synthesis of Highly Active Layered CuO-MnO Hybrid Composites for Catalytic Total Oxidation of Toluene Pollutant. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21798-21808	8.5	61
204	Enhancement of hydrogen sorption on metal(Ni, Rh, Pd) functionalized carbon nanotubes: a DFT study. <i>Chemical Research in Chinese Universities</i> , 2017 , 33, 422-429	2.2	6
203	Reduction removal of hexavalent chromium by zinc-substituted magnetite coupled with aqueous Fe(II) at neutral pH value. <i>Journal of Colloid and Interface Science</i> , 2017 , 500, 20-29	9.3	20
202	Synthesis of graphene-like Cu ₂ B ₂₀ nanosheets with a fast and stable response to H ₂ S at ppb detection levels. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3216-3221	7.1	7
201	Sonochemical synthesis of magnetic properties of Fe ₃ O ₄ /CNT nanocomposites. <i>Integrated Ferroelectrics</i> , 2017 , 179, 77-83	0.8	5
200	Heterogeneous Catalytic Ozonation of Sulfamethoxazole in Aqueous Solution over Composite Iron/Manganese Silicate Oxide. <i>Ozone: Science and Engineering</i> , 2017 , 39, 24-32	2.4	9
199	Ibuprofen degradation and toxicity evolution during Fe/Oxone/UV process. <i>Chemosphere</i> , 2017 , 167, 415-421	8.4	36
198	Mechanism of enhanced diclofenac mineralization by catalytic ozonation over iron silicate-loaded pumice. <i>Separation and Purification Technology</i> , 2017 , 173, 55-62	8.3	31
197	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	12.8	51
196	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	14.7	49

195	Mesoporous Ni/Ce _{1-x} Ni _x O ₂ heterostructure as an efficient catalyst for converting greenhouse gas to H ₂ and syngas. <i>Catalysis Science and Technology</i> , 2016 , 6, 851-862	5.5	41
194	Catalytic ozonation of sulfamethoxazole by composite iron-manganese silicate oxide: cooperation mechanism between adsorption and catalytic reaction. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 21360-21368	5.1	13
193	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> , 2016 , 6, 70537-70546	3.7	27
192	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	3.8	139
191	Highly stable bimetallic Au/Cu supported on Al ₂ O ₃ for selective CO oxidation in H ₂ -rich gas: effects of Cu/Au atomic ratio and sensitive influence of particle size. <i>RSC Advances</i> , 2016 , 6, 4899-4907	3.7	11
190	Synthesis of octahedral, truncated octahedral, and cubic Rh ₂ Ni nanocrystals and their structure-activity relationship for the decomposition of hydrazine in aqueous solution to hydrogen. <i>Nanoscale</i> , 2016 , 8, 7043-55	7.7	18
189	Electrochemical oxidation of guaiacol to increase its biodegradability or just remove COD in terms of anodes and electrolytes. <i>RSC Advances</i> , 2016 , 6, 4858-4866	3.7	15
188	Nanoparticles-in-concavities as efficient nanocatalysts for carbon dioxide reforming of methane to hydrogen and syngas. <i>Catalysis Science and Technology</i> , 2016 , 6, 4565-4576	5.5	7
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