

# Lin Tang

## List of Publications by Citations

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352  
papers

19,369  
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366  
ext. papers

24,349  
ext. citations

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avg, IF

7.2  
L-index

#	Paper	IF	Citations
352	An overview on limitations of TiO <sub>2</sub> -based particles for photocatalytic degradation of organic pollutants and the corresponding countermeasures. <i>Water Research</i> , <b>2015</b> , 79, 128-46	12.5	705
351	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 488-516	58.5	390
350	Insight into highly efficient simultaneous photocatalytic removal of Cr(VI) and 2,4-dichlorophenol under visible light irradiation by phosphorus doped porous ultrathin g-C <sub>3</sub> N <sub>4</sub> nanosheets from aqueous media: Performance and reaction mechanism. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 200, 243-251	21.8	383
349	Modification of biochar derived from sawdust and its application in removal of tetracycline and copper from aqueous solution: Adsorption mechanism and modelling. <i>Bioresource Technology</i> , <b>2017</b> , 245, 266-273	11	372
348	Enhanced activation process of persulfate by mesoporous carbon for degradation of aqueous organic pollutants: Electron transfer mechanism. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 231, 1-10	21.8	350
347	Atomic scale g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> 2D/2D heterojunction with enhanced photocatalytic degradation of ibuprofen under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 209, 285-294	21.8	318
346	Sorption, transport and biodegradation - An insight into bioavailability of persistent organic pollutants in soil. <i>Science of the Total Environment</i> , <b>2018</b> , 610-611, 1154-1163	10.2	304
345	Sustainable efficient adsorbent: Alkali-acid modified magnetic biochar derived from sewage sludge for aqueous organic contaminant removal. <i>Chemical Engineering Journal</i> , <b>2018</b> , 336, 160-169	14.7	256
344	PEI-grafted magnetic porous powder for highly effective adsorption of heavy metal ions. <i>Desalination</i> , <b>2011</b> , 281, 278-284	10.3	254
343	Fluorescent and colorimetric sensors for environmental mercury detection. <i>Analyst, The</i> , <b>2015</b> , 140, 5400-543	5.43	249
342	A hydroquinone biosensor using modified core-shell magnetic nanoparticles supported on carbon paste electrode. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 2121-6	11.8	248
341	Degradation of lead-contaminated lignocellulosic waste by <i>Phanerochaete chrysosporium</i> and the reduction of lead toxicity. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 4946-51	10.3	247
340	Covalent organic framework photocatalysts: structures and applications. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 4135-4165	58.5	243
339	Plasmonic Bi Metal Deposition and g-C <sub>3</sub> N <sub>4</sub> Coating on Bi <sub>2</sub> WO <sub>6</sub> Microspheres for Efficient Visible-Light Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1062-1072	8.3	238
338	0D/2D interface engineering of carbon quantum dots modified Bi <sub>2</sub> WO <sub>6</sub> ultrathin nanosheets with enhanced photoactivity for full spectrum light utilization and mechanism insight. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 222, 115-123	21.8	233
337	Electrochemical sensor based on electrodeposited graphene-Au modified electrode and nanoAu carrier amplified signal strategy for attomolar mercury detection. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 989-96	7.8	229
336	Changes in heavy metal mobility and availability from contaminated wetland soil remediated with combined biochar-compost. <i>Chemosphere</i> , <b>2017</b> , 181, 281-288	8.4	221

335	Metal-free carbon materials-catalyzed sulfate radical-based advanced oxidation processes: A review on heterogeneous catalysts and applications. <i>Chemosphere</i> , <b>2017</b> , 189, 224-238	8.4	216
334	Immobilization of laccase on magnetic bimodal mesoporous carbon and the application in the removal of phenolic compounds. <i>Bioresource Technology</i> , <b>2012</b> , 115, 21-6	11	210
333	Rapid detection of picloram in agricultural field samples using a disposable immunomembrane-based electrochemical sensor. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 1207-12	10.3	204
332	Magnetic nitrogen-doped sludge-derived biochar catalysts for persulfate activation: Internal electron transfer mechanism. <i>Chemical Engineering Journal</i> , <b>2019</b> , 364, 146-159	14.7	203
331	Synergistic effect of iron doped ordered mesoporous carbon on adsorption-coupled reduction of hexavalent chromium and the relative mechanism study. <i>Chemical Engineering Journal</i> , <b>2014</b> , 239, 114-122	14.7	201
330	Insight into electro-Fenton and photo-Fenton for the degradation of antibiotics: Mechanism study and research gaps. <i>Chemical Engineering Journal</i> , <b>2018</b> , 347, 379-397	14.7	195
329	Iron Containing Metal-Organic Frameworks: Structure, Synthesis, and Applications in Environmental Remediation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20255-20275	9.5	186
328	Current progress in biosensors for heavy metal ions based on DNAzymes/DNA molecules functionalized nanostructures: A review. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 223, 280-294	8.5	180
327	Combining AHP with GIS in synthetic evaluation of eco-environment quality: A case study of Hunan Province, China. <i>Ecological Modelling</i> , <b>2007</b> , 209, 97-109	3	178
326	Various cell architectures of capacitive deionization: Recent advances and future trends. <i>Water Research</i> , <b>2019</b> , 150, 225-251	12.5	174
325	Enhanced photocatalytic degradation of norfloxacin in aqueous Bi <sub>2</sub> WO <sub>6</sub> dispersions containing nonionic surfactant under visible light irradiation. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 306, 295-304	12.8	173
324	Construction of plasmonic Ag modified phosphorous-doped ultrathin g-CN nanosheets/BiVO photocatalyst with enhanced visible-near-infrared response ability for ciprofloxacin degradation. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 344, 758-769	12.8	169
323	Plasmonic resonance excited dual Z-scheme BiVO <sub>4</sub> /Ag/Cu <sub>2</sub> O nanocomposite: synthesis and mechanism for enhanced photocatalytic performance in recalcitrant antibiotic degradation. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 1494-1511	7.1	168
322	Preparation and application of stability enhanced magnetic nanoparticles for rapid removal of Cr(VI). <i>Chemical Engineering Journal</i> , <b>2011</b> , 175, 222-227	14.7	166
321	Enhanced photocatalytic activity of ternary Ag/g-C <sub>3</sub> N <sub>4</sub> /NaTaO <sub>3</sub> photocatalysts under wide spectrum light radiation: The high potential band protection mechanism. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 230, 102-114	21.8	159
320	The interactions between nanoscale zero-valent iron and microbes in the subsurface environment: A review. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 321, 390-407	12.8	156
319	Selenium contamination, consequences and remediation techniques in water and soils: A review. <i>Environmental Research</i> , <b>2018</b> , 164, 288-301	7.9	150
318	An explanation of soil amendments to reduce cadmium phytoavailability and transfer to food chain. <i>Science of the Total Environment</i> , <b>2019</b> , 660, 80-96	10.2	149

317	Biochar for environmental management: Mitigating greenhouse gas emissions, contaminant treatment, and potential negative impacts. <i>Chemical Engineering Journal</i> , <b>2019</b> , 373, 902-922	14.7	147
316	Enhancement of Cd(II) adsorption by polyacrylic acid modified magnetic mesoporous carbon. <i>Chemical Engineering Journal</i> , <b>2015</b> , 259, 153-160	14.7	142
315	Electrocatalytic properties of N-doped graphite felt in electro-Fenton process and degradation mechanism of levofloxacin. <i>Chemosphere</i> , <b>2017</b> , 182, 306-315	8.4	141
314	Insight into highly efficient co-removal of p-nitrophenol and lead by nitrogen-functionalized magnetic ordered mesoporous carbon: Performance and modelling. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 333, 80-87	12.8	139
313	Antimony contamination, consequences and removal techniques: A review. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 156, 125-134	7	132
312	Treatment of arsenic in acid wastewater and river sediment by Fe@FeO nanobunches: The effect of environmental conditions and reaction mechanism. <i>Water Research</i> , <b>2017</b> , 117, 175-186	12.5	130
311	Hierarchical porous biochar from shrimp shell for persulfate activation: A two-electron transfer path and key impact factors. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 260, 118160	21.8	128
310	Insight into the dual-channel charge-carrier transfer path for nonmetal plasmonic tungsten oxide based composites with boosted photocatalytic activity under full-spectrum light. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 235, 225-237	21.8	127
309	Facile fabrication of a direct Z-scheme Ag <sub>2</sub> CrO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> photocatalyst with enhanced visible light photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 421, 209-221		127
308	Simultaneous removal of lead and phenol contamination from water by nitrogen-functionalized magnetic ordered mesoporous carbon. <i>Chemical Engineering Journal</i> , <b>2015</b> , 259, 854-864	14.7	123
307	Nanoporous Au-based chronocoulometric aptasensor for amplified detection of Pb(2+) using DNAzyme modified with Au nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 81, 61-67	11.8	119
306	Metal-free carbon materials for persulfate-based advanced oxidation process: Microstructure, property and tailoring. <i>Progress in Materials Science</i> , <b>2020</b> , 111, 100654	42.2	117
305	pH-dependent degradation of p-nitrophenol by sulfidated nanoscale zerovalent iron under aerobic or anoxic conditions. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 320, 581-590	12.8	117
304	Facile fabrication of mediator-free Z-scheme photocatalyst of phosphorous-doped ultrathin graphitic carbon nitride nanosheets and bismuth vanadate composites with enhanced tetracycline degradation under visible light. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 509, 219-234	9.3	116
303	Construction of Plasmonic Ag and Nitrogen-Doped Graphene Quantum Dots Codecorated Ultrathin Graphitic Carbon Nitride Nanosheet Composites with Enhanced Photocatalytic Activity: Full-Spectrum Response Ability and Mechanism Insight. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 42816-42828	9.5	116
302	Mesoporous carbon nitride based biosensor for highly sensitive and selective analysis of phenol and catechol in compost bioremediation. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 61, 519-25	11.8	114
301	Comparative efficacy of organic and inorganic amendments for cadmium and lead immobilization in contaminated soil under rice-wheat cropping system. <i>Chemosphere</i> , <b>2019</b> , 214, 259-268	8.4	114
300	Factors influencing degradation of trichloroethylene by sulfide-modified nanoscale zero-valent iron in aqueous solution. <i>Water Research</i> , <b>2018</b> , 135, 1-10	12.5	113

299	Catalytic reduction-adsorption for removal of p-nitrophenol and its conversion p-aminophenol from water by gold nanoparticles supported on oxidized mesoporous carbon. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 469, 78-85	9.3	112
298	Synthesis and application of iron and zinc doped biochar for removal of p-nitrophenol in wastewater and assessment of the influence of co-existed Pb(II). <i>Applied Surface Science</i> , <b>2017</b> , 392, 391-401	6.7	112
297	Core-shell Ag <sub>2</sub> CrO <sub>4</sub> /N-GQDs@g-C <sub>3</sub> N <sub>4</sub> composites with anti-photocorrosion performance for enhanced full-spectrum-light photocatalytic activities. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 239, 525-536	21.8	110
296	Synergistic adsorption and reduction of hexavalent chromium using highly uniform polyaniline-magnetic mesoporous silica composite. <i>Chemical Engineering Journal</i> , <b>2014</b> , 254, 302-312	14.7	110
295	Cd(II) removal from aqueous solution by adsorption on ketoglutaric acid-modified magnetic chitosan. <i>Applied Surface Science</i> , <b>2014</b> , 292, 710-716	6.7	104
294	How Do Enzymes Meet Nanoparticles and Nanomaterials?. <i>Trends in Biochemical Sciences</i> , <b>2017</b> , 42, 914-930	10.3	103
293	Cadmium removal from simulated wastewater to biomass byproduct of <i>Lentinus edodes</i> . <i>Bioresource Technology</i> , <b>2008</b> , 99, 7034-40	11	103
292	Applications and factors influencing of the persulfate-based advanced oxidation processes for the remediation of groundwater and soil contaminated with organic compounds. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 359, 396-407	12.8	101
291	Remediation of Cu, Pb, Zn and Cd-contaminated agricultural soil using a combined red mud and compost amendment. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 118, 73-81	4.8	99
290	Highly effective adsorption of cationic and anionic dyes on magnetic Fe/Ni nanoparticles doped bimodal mesoporous carbon. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 448, 451-9	9.3	97
289	Cobalt nanoparticles-embedded magnetic ordered mesoporous carbon for highly effective adsorption of rhodamine B. <i>Applied Surface Science</i> , <b>2014</b> , 314, 746-753	6.7	97
288	Changes of microbial population structure related to lignin degradation during lignocellulosic waste composting. <i>Bioresource Technology</i> , <b>2010</b> , 101, 4062-7	11	97
287	Highly sensitive electrochemical sensor using a MWCNTs/GNPs-modified electrode for lead (II) detection based on Pb(2+)-induced G-rich DNA conformation. <i>Analyst, The</i> , <b>2014</b> , 139, 5014-20	5	96
286	Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene decorated black phosphorus nanosheets with improved visible-light photocatalytic activity: experimental and theoretical studies. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5171-5185	13	94
285	Ultrathin BiWO nanosheets loaded g-CN quantum dots: A direct Z-scheme photocatalyst with enhanced photocatalytic activity towards degradation of organic pollutants under wide spectrum light irradiation. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 539, 654-664	9.3	92
284	Aptamer-based biosensors for detection of lead(II) ion: a review. <i>Analytical Methods</i> , <b>2017</b> , 9, 1976-1990	3.2	91
283	Practical and regenerable electrochemical aptasensor based on nanoporous gold and thymine-Hg-thymine base pairs for Hg detection. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 90, 542-548	11.8	90
282	Effect of exogenous carbonaceous materials on the bioavailability of organic pollutants and their ecological risks. <i>Soil Biology and Biochemistry</i> , <b>2018</b> , 116, 70-81	7.5	89

281	Synthesis of Leaf-Vein-Like g-C <sub>3</sub> N <sub>4</sub> with Tunable Band Structures and Charge Transfer Properties for Selective Photocatalytic H <sub>2</sub> O <sub>2</sub> Evolution. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001922	15.6	89
280	Biochar-based functional materials in the purification of agricultural wastewater: Fabrication, application and future research needs. <i>Chemosphere</i> , <b>2018</b> , 197, 165-180	8.4	83
279	Self-powered photoelectrochemical aptasensor based on phosphorus doped porous ultrathin g-CN nanosheets enhanced by surface plasmon resonance effect. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 121, 19-26	11.8	83
278	In-situ self-assembly construction of hollow tubular g-CN isotype heterojunction for enhanced visible-light photocatalysis: Experiments and theories. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 401, 123355	12.8	83
277	Ultralow dielectric, fluoride-containing cyanate ester resins with improved mechanical properties and high thermal and dimensional stabilities. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6929-6936	7.1	82
276	Rapid reductive degradation of aqueous p-nitrophenol using nanoscale zero-valent iron particles immobilized on mesoporous silica with enhanced antioxidation effect. <i>Applied Surface Science</i> , <b>2015</b> , 333, 220-228	6.7	81
275	Surfactant-assisted synthesis of photocatalysts: Mechanism, synthesis, recent advances and environmental application. <i>Chemical Engineering Journal</i> , <b>2019</b> , 372, 429-451	14.7	79
274	Rapid adsorption of 2,4-dichlorophenoxyacetic acid by iron oxide nanoparticles-doped carboxylic ordered mesoporous carbon. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 445, 1-8	9.3	79
273	Effective removal of Cr(VI) through adsorption and reduction by magnetic mesoporous carbon incorporated with polyaniline. <i>RSC Advances</i> , <b>2014</b> , 4, 58362-58371	3.7	78
272	Removal of trichloroethylene by biochar supported nanoscale zero-valent iron in aqueous solution. <i>Separation and Purification Technology</i> , <b>2017</b> , 188, 188-196	8.3	78
271	Intimate coupling of photocatalysis and biodegradation for wastewater treatment: Mechanisms, recent advances and environmental applications. <i>Water Research</i> , <b>2020</b> , 175, 115673	12.5	77
270	A tyrosinase biosensor based on ordered mesoporous carbon-Au/L-lysine/Au nanoparticles for simultaneous determination of hydroquinone and catechol. <i>Analyst</i> , <b>2013</b> , 138, 3552-60	5	77
269	Hypoxia-inducible factor-1 $\alpha$ contributes to the profibrotic action of angiotensin II in renal medullary interstitial cells. <i>Kidney International</i> , <b>2011</b> , 79, 300-10	9.9	75
268	Core-shell nanomaterials: Applications in energy storage and conversion. <i>Advances in Colloid and Interface Science</i> , <b>2019</b> , 267, 26-46	14.3	73
267	Carbon-based core-shell nanostructured materials for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 7310-7337	13	73
266	Degradation of trichloroethene by nanoscale zero-valent iron (nZVI) and nZVI activated persulfate in the absence and presence of EDTA. <i>Chemical Engineering Journal</i> , <b>2017</b> , 316, 410-418	14.7	71
265	Enhanced visible light photocatalytic performance of polyaniline modified mesoporous single crystal TiO <sub>2</sub> microsphere. <i>Applied Surface Science</i> , <b>2016</b> , 387, 882-893	6.7	71
264	The dual effects of carboxymethyl cellulose on the colloidal stability and toxicity of nanoscale zero-valent iron. <i>Chemosphere</i> , <b>2016</b> , 144, 1682-9	8.4	71



263	Composting of lead-contaminated solid waste with inocula of white-rot fungus. <i>Bioresource Technology</i> , <b>2007</b> , 98, 320-6	11	71
262	Construction of highly water-stable metal-organic framework UiO-66 thin-film composite membrane for dyes and antibiotics separation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123400	14.7	71
261	Cr(VI) reduction by <i>Pseudomonas aeruginosa</i> immobilized in a polyvinyl alcohol/sodium alginate matrix containing multi-walled carbon nanotubes. <i>Bioresource Technology</i> , <b>2011</b> , 102, 10733-6	11	70
260	Self-template synthesis of hierarchical CoMoS <sub>3</sub> nanotubes constructed of ultrathin nanosheets for robust water electrolysis. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11309-11315	13	69
259	Chromate removal by surface-modified nanoscale zero-valent iron: Effect of different surface coatings and water chemistry. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 471, 7-13	9.3	69
258	Efficiency of lime, biochar, Fe containing biochar and composite amendments for Cd and Pb immobilization in a co-contaminated alluvial soil. <i>Environmental Pollution</i> , <b>2020</b> , 257, 113609	9.3	69
257	The potential impact on the biodegradation of organic pollutants from composting technology for soil remediation. <i>Waste Management</i> , <b>2018</b> , 72, 138-149	8.6	65
256	Aging study on carboxymethyl cellulose-coated zero-valent iron nanoparticles in water: Chemical transformation and structural evolution. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 312, 234-242	12.8	64
255	Physicochemical transformation of Fe/Ni bimetallic nanoparticles during aging in simulated groundwater and the consequent effect on contaminant removal. <i>Water Research</i> , <b>2018</b> , 129, 51-57	12.5	63
254	CdS/Cu <sub>2</sub> S co-sensitized TiO <sub>2</sub> branched nanorod arrays of enhanced photoelectrochemical properties by forming nanoscale heterostructure. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 662, 516-527	5.7	62
253	Metal Organic Frameworks as Robust Host of Palladium Nanoparticles in Heterogeneous Catalysis: Synthesis, Application, and Prospect. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 32579-32598	9.5	62
252	Efficient degradation of tetracycline by heterogeneous electro-Fenton process using Cu-doped Fe@Fe <sub>2</sub> O <sub>3</sub> : Mechanism and degradation pathway. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122970	14.7	62
251	Catechol determination in compost bioremediation using a laccase sensor and artificial neural networks. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 679-85	4.4	61
250	Enhancing optical absorption and charge transfer: Synthesis of S-doped h-BN with tunable band structures for metal-free visible-light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 256, 117827	21.8	60
249	Phosphorus-doped ordered mesoporous carbons embedded with Pd/Fe bimetal nanoparticles for the dechlorination of 2,4-dichlorophenol. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1930-1939	5.5	60
248	Boosting Photocatalytic Performance in Mixed-Valence MIL-53(Fe) by Changing Fe/Fe Ratio. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 28791-28800	9.5	60
247	Recent advances of melamine self-assembled graphitic carbon nitride-based materials: Design, synthesis and application in energy and environment. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126951	14.7	60
246	Activation of peroxymonosulfate by biochar-based catalysts and applications in the degradation of organic contaminants: A review. <i>Chemical Engineering Journal</i> , <b>2021</b> , 416, 128829	14.7	59

245	Carbon felt cathodes for electro-Fenton process to remove tetracycline via synergistic adsorption and degradation. <i>Science of the Total Environment</i> , <b>2019</b> , 670, 921-931	10.2	58
244	Synthesis of Pd/Au bimetallic nanoparticle-loaded ultrathin graphitic carbon nitride nanosheets for highly efficient catalytic reduction of p-nitrophenol. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 490, 834-843	9.3	57
243	Understanding the influence of carbon nanomaterials on microbial communities. <i>Environment International</i> , <b>2019</b> , 126, 690-698	12.9	57
242	Immobilization of cadmium and lead in contaminated paddy field using inorganic and organic additives. <i>Scientific Reports</i> , <b>2018</b> , 8, 17839	4.9	56
241	Label free detection of lead using impedimetric sensor based on ordered mesoporous carbon-gold nanoparticles and DNAzyme catalytic beacons. <i>Talanta</i> , <b>2016</b> , 146, 641-7	6.2	55
240	Environment-friendly fullerene separation methods. <i>Chemical Engineering Journal</i> , <b>2017</b> , 330, 134-145	14.7	55
239	Transfer of heavy metals from compost to red soil and groundwater under simulated rainfall conditions. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 181, 211-6	12.8	55
238	Spatial analyzing system for urban land-use management based on GIS and multi-criteria assessment modeling. <i>Progress in Natural Science: Materials International</i> , <b>2008</b> , 18, 1279-1284	3.6	55
237	Synthesis of branched WO <sub>3</sub> @W <sub>18</sub> O <sub>49</sub> homojunction with enhanced interfacial charge separation and full-spectrum photocatalytic performance. <i>Chemical Engineering Journal</i> , <b>2020</b> , 389, 124474	14.7	54
236	A novel sulfur-assisted annealing method of g-C <sub>3</sub> N <sub>4</sub> nanosheet compensates for the loss of light absorption with further promoted charge transfer for photocatalytic production of H <sub>2</sub> and H <sub>2</sub> O <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 281, 119539	21.8	54
235	Cow manure and cow manure-derived biochar application as a soil amendment for reducing cadmium availability and accumulation by Brassica chinensis L. in acidic red soil. <i>Journal of Integrative Agriculture</i> , <b>2017</b> , 16, 725-734	3.2	53
234	Physicochemical transformation of carboxymethyl cellulose-coated zero-valent iron nanoparticles (nZVI) in simulated groundwater under anaerobic conditions. <i>Separation and Purification Technology</i> , <b>2017</b> , 175, 376-383	8.3	53
233	Origin of the Enhanced Reusability and Electron Transfer of the Carbon-Coated Mn <sub>3</sub> O <sub>4</sub> Nanocube for Persulfate Activation. <i>ACS Catalysis</i> , <b>2020</b> , 10, 14857-14870	13.1	53
232	Difunctional chitosan-stabilized Fe/Cu bimetallic nanoparticles for removal of hexavalent chromium wastewater. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 1181-1189	10.2	52
231	Chromosomal expression of CadR on Pseudomonas aeruginosa for the removal of Cd(II) from aqueous solutions. <i>Science of the Total Environment</i> , <b>2018</b> , 636, 1355-1361	10.2	52
230	Maintaining stable LSPR performance of W <sub>18</sub> O <sub>49</sub> by protecting its oxygen vacancy: A novel strategy for achieving durable sunlight driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 276, 119167	21.8	51
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