

# Zuliang Chen

## List of Publications by Citations

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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.

278  
papers

10,414  
citations

54  
h-index

86  
g-index

281  
ext. papers

12,347  
ext. citations

7.3  
avg, IF

6.89  
L-index

#	Paper	IF	Citations
278	Kaolinite-supported nanoscale zero-valent iron for removal of Pb <sup>2+</sup> from aqueous solution: reactivity, characterization and mechanism. <i>Water Research</i> , <b>2011</b> , 45, 3481-8	12.5	333
277	Green synthesis of Fe nanoparticles using eucalyptus leaf extracts for treatment of eutrophic wastewater. <i>Science of the Total Environment</i> , <b>2014</b> , 466-467, 210-3	10.2	302
276	Green synthesized iron nanoparticles by green tea and eucalyptus leaves extracts used for removal of nitrate in aqueous solution. <i>Journal of Cleaner Production</i> , <b>2014</b> , 83, 413-419	10.3	290
275	Removal of methyl orange from aqueous solution using bentonite-supported nanoscale zero-valent iron. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 363, 601-7	9.3	280
274	Green synthesis of silver nanoparticles using tea leaf extract and evaluation of their stability and antibacterial activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 444, 226-231 <sup>1</sup>	5.1	275
273	Heterogeneous Fenton-like oxidation of monochlorobenzene using green synthesis of iron nanoparticles. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 410, 67-73	9.3	231
272	Heterogeneous Fenton oxidation of 2,4-dichlorophenol using iron-based nanoparticles and persulfate system. <i>Chemical Engineering Journal</i> , <b>2015</b> , 264, 587-594	14.7	211
271	Simultaneous removal of tetracycline and oxytetracycline antibiotics from wastewater using a ZIF-8 metal organic-framework. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 366, 563-572	12.8	186
270	Green synthesis of iron nanoparticles by various tea extracts: comparative study of the reactivity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 130, 295-301	4.4	179
269	Synthesis of iron-based nanoparticles using oolong tea extract for the degradation of malachite green. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 117, 801-4	4.4	168
268	Nanoscale zero-valent iron as a catalyst for heterogeneous Fenton oxidation of amoxicillin. <i>Chemical Engineering Journal</i> , <b>2014</b> , 255, 141-148	14.7	167
267	Adsorption of methylene blue and orange II onto unmodified and surfactant-modified zeolite. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 328, 243-7	9.3	144
266	Synthesis of iron-based nanoparticles by green tea extract and their degradation of malachite. <i>Industrial Crops and Products</i> , <b>2013</b> , 51, 342-347	5.9	140
265	Multifunctional kaolinite-supported nanoscale zero-valent iron used for the adsorption and degradation of crystal violet in aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 398, 59-66 <sup>3</sup>	9.3	130
264	Simultaneous removal of mixed contaminants, copper and norfloxacin, from aqueous solution by ZIF-8. <i>Chemical Engineering Journal</i> , <b>2019</b> , 362, 628-637	14.7	130
263	Chitosan stabilized bimetallic Fe/Ni nanoparticles used to remove mixed contaminants-amoxicillin and Cd (II) from aqueous solutions. <i>Chemical Engineering Journal</i> , <b>2013</b> , 229, 27-34	14.7	124
262	One-step green synthesis of bimetallic Fe/Pd nanoparticles used to degrade Orange II. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 303, 145-53	12.8	109

261	Tuning the Catalytic Preference of Ruthenium Catalysts for Nitrogen Reduction by Atomic Dispersion. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1905665	15.6	107
260	Simultaneous determination by capillary gas chromatography of organic acids, sugars, and sugar alcohols in plant tissue extracts as their trimethylsilyl derivatives. <i>Analytical Biochemistry</i> , <b>1999</b> , 266, 77-84	3.1	104
259	One-step green synthesis of bimetallic Fe/Ni nanoparticles by eucalyptus leaf extract: Biomolecules identification, characterization and catalytic activity. <i>Chemical Engineering Journal</i> , <b>2017</b> , 308, 904-911	14.7	102
258	Removal of phosphate using iron oxide nanoparticles synthesized by eucalyptus leaf extract in the presence of CTAB surfactant. <i>Chemosphere</i> , <b>2016</b> , 159, 23-31	8.4	98
257	Dechlorination of p-chlorophenol from aqueous solution using bentonite supported Fe/Pd nanoparticles: Synthesis, characterization and kinetics. <i>Desalination</i> , <b>2011</b> , 280, 167-173	10.3	97
256	The removal of amoxicillin from wastewater using organobentonite. <i>Journal of Environmental Management</i> , <b>2013</b> , 129, 569-76	7.9	91
255	Spectroscopic study of aluminium speciation in removing humic substances by Al coagulation. <i>Water Research</i> , <b>1999</b> , 33, 3271-3280	12.5	85
254	Comparison of TiO <sub>2</sub> nanoparticle and graphene-TiO <sub>2</sub> nanoparticle composite phototoxicity to <i>Daphnia magna</i> and <i>Oryzias latipes</i> . <i>Chemosphere</i> , <b>2014</b> , 112, 62-9	8.4	79
253	Adsorption of Orange II dye in aqueous solution onto surfactant-coated zeolite: characterization, kinetic and thermodynamic studies. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 435, 15-20	9.3	77
252	Fenton-like oxidation of 2,4-DCP in aqueous solution using iron-based nanoparticles as the heterogeneous catalyst. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 438, 87-93	9.3	76
251	Green synthesized conditions impacting on the reactivity of Fe NPs for the degradation of malachite green. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 137, 154-94	9.4	76
250	Speciation of chromium in waste water using ion chromatography inductively coupled plasma mass spectrometry. <i>Talanta</i> , <b>2007</b> , 72, 394-400	6.2	76
249	Enhancement of catalytic degradation of amoxicillin in aqueous solution using clay supported bimetallic Fe/Ni nanoparticles. <i>Chemosphere</i> , <b>2014</b> , 103, 80-5	8.4	74
248	<i>Chlorococcum</i> sp. MM11B novel phyco-nanofactory for the synthesis of iron nanoparticles. <i>Journal of Applied Phycology</i> , <b>2015</b> , 27, 1861-1869	3.2	74
247	Removal of Cr(VI) from aqueous solutions via reduction and absorption by green synthesized iron nanoparticles. <i>Journal of Cleaner Production</i> , <b>2018</b> , 176, 929-936	10.3	73
246	Remediation of Direct Black G in wastewater using kaolin-supported bimetallic Fe/Ni nanoparticles. <i>Chemical Engineering Journal</i> , <b>2013</b> , 223, 764-771	14.7	67
245	Advancement of ammonia based post-combustion CO <sub>2</sub> capture using the advanced flash stripper process. <i>Applied Energy</i> , <b>2017</b> , 202, 496-506	10.7	65
244	Environmental application and ecological significance of nano-zero valent iron. <i>Journal of Environmental Sciences</i> , <b>2016</b> , 44, 88-98	6.4	65

243	Functional clay supported bimetallic nZVI/Pd nanoparticles used for removal of methyl orange from aqueous solution. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 262, 819-25	12.8	65
242	Calcium alginate encapsulated Ni/Fe nanoparticles beads for simultaneous removal of Cu (II) and monochlorobenzene. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 447, 85-91	9.3	65
241	Removal of mixed contaminants Cr(VI) and Cu(II) by green synthesized iron based nanoparticles. <i>Ecological Engineering</i> , <b>2016</b> , 97, 32-39	3.9	64
240	Biosynthesized iron oxide nanoparticles used for optimized removal of cadmium with response surface methodology. <i>Science of the Total Environment</i> , <b>2018</b> , 627, 314-321	10.2	63
239	Voltammetric Determination of Lead (II) and Cadmium (II) Using a Bismuth Film Electrode Modified with Mesoporous Silica Nanoparticles. <i>Electrochimica Acta</i> , <b>2014</b> , 132, 223-229	6.7	62
238	Biodegradation of crystal violet using Burkholderia vietnamiensis C09V immobilized on PVA-sodium alginate-kaolin gel beads. <i>Ecotoxicology and Environmental Safety</i> , <b>2012</b> , 83, 108-114	7	62
237	Determination of caffeine as a tracer of sewage effluent in natural waters by on-line solid-phase extraction and liquid chromatography with diode-array detection. <i>Water Research</i> , <b>2002</b> , 36, 4830-8	12.5	61
236	Simultaneous adsorption and biodegradation (SAB) of diesel oil using immobilized Acinetobacter venetianus on porous material. <i>Chemical Engineering Journal</i> , <b>2016</b> , 289, 463-470	14.7	59
235	Integrated absorption-mineralisation for low-energy CO <sub>2</sub> capture and sequestration. <i>Applied Energy</i> , <b>2018</b> , 225, 356-366	10.7	58
234	Speciation of iodate and iodide in seawater by non-suppressed ion chromatography with inductively coupled plasma mass spectrometry. <i>Talanta</i> , <b>2007</b> , 72, 1842-6	6.2	57
233	Green reduction of graphene oxide by sugarcane bagasse extract and its application for the removal of cadmium in aqueous solution. <i>Journal of Cleaner Production</i> , <b>2018</b> , 189, 128-134	10.3	56
232	Comparison of degradation mechanisms of microcystin-LR using nanoscale zero-valent iron (nZVI) and bimetallic Fe/Ni and Fe/Pd nanoparticles. <i>Chemical Engineering Journal</i> , <b>2016</b> , 285, 459-466	14.7	56
231	Biosynthesized iron-based nanoparticles used as a heterogeneous catalyst for the removal of 2,4-dichlorophenol. <i>Separation and Purification Technology</i> , <b>2017</b> , 175, 222-228	8.3	56
230	Simultaneous removal of Cu(II) and Cr(VI) by Mg-Al-Cl layered double hydroxide and mechanism insight. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 53, 16-26	6.4	55
229	A facile and green preparation of reduced graphene oxide using Eucalyptus leaf extract. <i>Applied Surface Science</i> , <b>2017</b> , 422, 469-474	6.7	55
228	Heterogeneous Fenton-like oxidation of malachite green by iron-based nanoparticles synthesized by tea extract as a catalyst. <i>Separation and Purification Technology</i> , <b>2015</b> , 154, 161-167	8.3	55
227	Simultaneous removal of trichloroethylene and hexavalent chromium by green synthesized agarose-Fe nanoparticles hydrogel. <i>Chemical Engineering Journal</i> , <b>2016</b> , 294, 290-297	14.7	55
226	Removal of nitrate using Paracoccus sp. YF1 immobilized on bamboo carbon. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 229-230, 419-25	12.8	54

225	Speciation of arsenic in ground water samples: A comparative study of CE-UV, HG-AAS and LC-ICP-MS. <i>Talanta</i> , <b>2005</b> , 68, 406-15	6.2	54
224	The mechanism for degrading Orange II based on adsorption and reduction by ion-based nanoparticles synthesized by grape leaf extract. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 296, 37-45	12.8	53
223	Degradation mechanism of amoxicillin using clay supported nanoscale zero-valent iron. <i>Applied Clay Science</i> , <b>2017</b> , 147, 137-142	5.2	53
222	Simultaneous removal of Pb(II) and Cr(III) by magnetite nanoparticles using various synthesis conditions. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 3543-3549	6.3	52
221	Simultaneous removal of amoxicillin, ampicillin and penicillin by clay supported Fe/Ni bimetallic nanoparticles. <i>Environmental Pollution</i> , <b>2018</b> , 236, 562-569	9.3	51
220	Simultaneous removal of Pb(II) and rifampicin from wastewater by iron nanoparticles synthesized by a tea extract. <i>Journal of Cleaner Production</i> , <b>2020</b> , 242, 118476	10.3	50
219	Removal of doxorubicin hydrochloride using Fe <sub>3</sub> O <sub>4</sub> nanoparticles synthesized by euphorbia cochinchinensis extract. <i>Chemical Engineering Journal</i> , <b>2018</b> , 353, 482-489	14.7	49
218	Biomolecules in grape leaf extract involved in one-step synthesis of iron-based nanoparticles. <i>RSC Advances</i> , <b>2014</b> , 4, 53467-53474	3.7	49
217	Influence of zero-valent iron nanoparticles on nitrate removal by <i>Paracoccus</i> sp. <i>Chemosphere</i> , <b>2014</b> , 108, 426-32	8.4	49
216	Effect of humic acid, oxalate and phosphate on Fenton-like oxidation of microcystin-LR by nanoscale zero-valent iron. <i>Separation and Purification Technology</i> , <b>2016</b> , 170, 337-343	8.3	49
215	Adsorption of doxorubicin hydrochloride on glutaric anhydride functionalized FeO@SiO <sub>2</sub> magnetic nanoparticles. <i>Materials Science and Engineering C</i> , <b>2019</b> , 98, 65-73	8.3	49
214	Removal of co-contaminants Cu (II) and nitrate from aqueous solution using kaolin-Fe/Ni nanoparticles. <i>Chemical Engineering Journal</i> , <b>2014</b> , 244, 19-26	14.7	47
213	Flow-injection Potentiometric Detection of Phosphates Using a Metallic Cobalt Wire Ion-selective Electrode. <i>Analytical Communications</i> , <b>1997</b> , 34, 93-95		47
212	Separation of chromium (III) and chromium (VI) by capillary electrophoresis using 2,6-pyridinedicarboxylic acid as a pre-column complexation agent. <i>Journal of Chromatography A</i> , <b>2001</b> , 927, 219-27	4.5	46
211	Cultivation of <i>Chlorella</i> on brewery wastewater and nano-particle biosynthesis by its biomass. <i>Bioresource Technology</i> , <b>2016</b> , 211, 698-703	11	46
210	Green synthesis of iron nanoparticles using red peanut skin extract: Synthesis mechanism, characterization and effect of conditions on chromium removal. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 558, 106-114	9.3	46
209	Functional kaolin supported nanoscale zero-valent iron as a Fenton-like catalyst for the degradation of Direct Black G. <i>Chemosphere</i> , <b>2017</b> , 184, 664-672	8.4	42
208	Anodic stripping voltammetric determination of traces of Pb(II) and Cd(II) using a glassy carbon electrode modified with bismuth nanoparticles. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 1199-1206	5.8	42

207	Green synthesis of zero valent iron nanoparticle using mango peel extract and surface characterization using XPS and GC-MS. <i>Heliyon</i> , <b>2019</b> , 5, e01750	3.6	41
206	Insights into Carbonation Kinetics of Fly Ash from Victorian Lignite for CO <sub>2</sub> Sequestration. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 4569-4578	4.1	40
205	Degradation of scarlet 4BS in aqueous solution using bimetallic Fe/Ni nanoparticles. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 381, 30-5	9.3	40
204	Flow injection potentiometric determination of phosphate in waste waters and fertilisers using a cobalt wire ion-selective electrode. <i>Analyst, The</i> , <b>1998</b> , 123, 1635-1640	5	40
203	Assessment of toxicity of heavy metal contaminated soils by the toxicity characteristic leaching procedure. <i>Environmental Geochemistry and Health</i> , <b>2006</b> , 28, 73-8	4.7	40
202	Simultaneous analysis of amino and organic acids in extracts of plant leaves as tert-butyldimethylsilyl derivatives by capillary gas chromatography. <i>Analytical Biochemistry</i> , <b>1998</b> , 259, 203-11	3.1	39
201	On-column complexation capillary electrophoretic separation of Fe <sup>2+</sup> and Fe <sup>3+</sup> using 2,6-pyridinedicarboxylic acid coupled with large-volume sample stacking. <i>Journal of Chromatography A</i> , <b>2004</b> , 1023, 151-7	4.5	39
200	Green reduction of graphene oxide using eucalyptus leaf extract and its application to remove dye. <i>Chemosphere</i> , <b>2018</b> , 208, 417-424	8.4	39
199	Green synthesis of reduced graphene oxide using bagasse and its application in dye removal: A waste-to-resource supply chain. <i>Chemosphere</i> , <b>2019</b> , 219, 148-154	8.4	38
198	Effects of cetyltrimethylammonium bromide on the morphology of green synthesized FeO nanoparticles used to remove phosphate. <i>Materials Science and Engineering C</i> , <b>2018</b> , 82, 41-45	8.3	38
197	The formation of iron nanoparticles by Eucalyptus leaf extract and used to remove Cr(VI). <i>Science of the Total Environment</i> , <b>2018</b> , 627, 470-479	10.2	37
196	Environmental remediation techniques of tributyltin contamination in soil and water: A review. <i>Chemical Engineering Journal</i> , <b>2014</b> , 235, 141-150	14.7	37
195	Simultaneous adsorption and degradation of Zn(2+) and Cu (2+) from wastewaters using nanoscale zero-valent iron impregnated with clays. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 3639-48	5.1	37
194	Impact of synthesis conditions on Pb(II) removal efficiency from aqueous solution by green tea extract reduced graphene oxide. <i>Chemical Engineering Journal</i> , <b>2019</b> , 359, 976-981	14.7	37
193	Effects of cyclodextrin on the morphology and reactivity of iron-based nanoparticles using Eucalyptus leaf extract. <i>Industrial Crops and Products</i> , <b>2015</b> , 69, 308-313	5.9	36
192	Reduction of hexavalent chromium by green synthesized nano zero valent iron and process optimization using response surface methodology. <i>Environmental Technology and Innovation</i> , <b>2016</b> , 5, 136-147	7	36
191	Clay supported bimetallic Fe/Ni nanoparticles used for reductive degradation of amoxicillin in aqueous solution: Characterization and kinetics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 443, 404-409	5.1	36
190	Removal of Cr(VI) from aqueous solution by surfactant-modified kaolinite. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 3025-3032	6.3	36

189	Polybrominated diphenyl ethers (PBDEs) in marine foodstuffs in Australia: residue levels and contamination status of PBDEs. <i>Marine Pollution Bulletin</i> , <b>2011</b> , 63, 154-9	6.7	36
188	Biosynthetic graphene enhanced extracellular electron transfer for high performance anode in microbial fuel cell. <i>Chemosphere</i> , <b>2019</b> , 232, 396-402	8.4	35
187	Impact of Fe and Ni/Fe nanoparticles on biodegradation of phenol by the strain <i>Bacillus fusiformis</i> (BFN) at various pH values. <i>Bioresource Technology</i> , <b>2013</b> , 136, 588-94	11	35
186	Simultaneous removal of ammonia and phosphate using green synthesized iron oxide nanoparticles dispersed onto zeolite. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 135002	10.2	35
185	Highly efficient removal of antibiotic rifampicin from aqueous solution using green synthesis of recyclable nano-FeO. <i>Environmental Pollution</i> , <b>2019</b> , 247, 839-846	9.3	34
184	Mechanism of As(V) removal by green synthesized iron nanoparticles. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 379, 120811	12.8	34
183	Investigation of Copper(II) Interference on the Anodic Stripping Voltammetry of Lead(II) and Cadmium(II) at Bismuth Film Electrode. <i>Electroanalysis</i> , <b>2013</b> , 25, 2637-2644	3	34
182	Speciation of glyphosate, phosphate and aminomethylphosphonic acid in soil extracts by ion chromatography with inductively coupled plasma mass spectrometry with an octopole reaction system. <i>Talanta</i> , <b>2009</b> , 78, 852-6	6.2	34
181	Inhibition or promotion of biodegradation of nitrate by <i>Paracoccus</i> sp. in the presence of nanoscale zero-valent iron. <i>Science of the Total Environment</i> , <b>2015</b> , 530-531, 241-246	10.2	33
180	Synthesis of kaolin supported nanoscale zero-valent iron and its degradation mechanism of Direct Fast Black G in aqueous solution. <i>Materials Research Bulletin</i> , <b>2015</b> , 61, 433-438	5.1	33
179	Decoloration of acid violet red B by bentonite-supported nanoscale zero-valent iron: Reactivity, characterization, kinetics and reaction pathway. <i>Applied Clay Science</i> , <b>2014</b> , 93-94, 56-61	5.2	33
178	Biodegradation of TNT using <i>Bacillus mycoides</i> immobilized in PVA/odium alginate/kaolin. <i>Applied Clay Science</i> , <b>2013</b> , 83-84, 336-342	5.2	33
177	Kaolin-supported nanoscale zero-valent iron for removing cationic dye/crystal violet in aqueous solution. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	33
176	Extraction of arsenic species in soils using microwave-assisted extraction detected by ion chromatography coupled to inductively coupled plasma mass spectrometry. <i>Environmental Geochemistry and Health</i> , <b>2009</b> , 31 Suppl 1, 93-102	4.7	32
175	Characterisation and kinetic study of carbon dioxide absorption by an aqueous diamine solution. <i>Applied Energy</i> , <b>2017</b> , 208, 1308-1317	10.7	31
174	Mechanism for removing 2,4-dichlorophenol via adsorption and Fenton-like oxidation using iron-based nanoparticles. <i>Chemosphere</i> , <b>2018</b> , 206, 168-174	8.4	31
173	Biodegradation of naphthalene using a functional biomaterial based on immobilized <i>Bacillus fusiformis</i> (BFN). <i>Biochemical Engineering Journal</i> , <b>2014</b> , 90, 1-7	4.2	31
172	Speciation of metal-EDTA complexes by flow injection analysis with electrospray ionization mass spectrometry and ion chromatography with inductively coupled plasma mass spectrometry. <i>Journal of Separation Science</i> , <b>2008</b> , 31, 3796-802	3.4	31

171	New nano-biomaterials for the removal of malachite green from aqueous solution via a response surface methodology. <i>Water Research</i> , <b>2018</b> , 146, 55-66	12.5	31
170	Enhanced adsorption and Fenton oxidation of 2,4-dichlorophenol in aqueous solution using organobentonite supported nZVI. <i>Separation and Purification Technology</i> , <b>2018</b> , 197, 401-406	8.3	30
169	Direct determination of phosphate in soil extracts by potentiometric flow injection using a cobalt wire electrode. <i>Analytica Chimica Acta</i> , <b>1998</b> , 363, 191-197	6.6	30
168	The separation of arsenic species in soils and plant tissues by anion-exchange chromatography with inductively coupled mass spectrometry using various mobile phases. <i>Microchemical Journal</i> , <b>2008</b> , 89, 20-28	4.8	30
167	Stripping Voltammetry of Pb(II), Cu(II), and Hg(II) at a Nafion-Coated Glassy Carbon Electrode Modified by Neutral Ionophores. <i>Electroanalysis</i> , <b>1999</b> , 11, 964-968	3	30
166	Immobilization of cadmium in polluted soils by phyto-genic iron oxide nanoparticles. <i>Science of the Total Environment</i> , <b>2019</b> , 659, 491-498	10.2	30
165	Synergetic adsorption and Fenton-like oxidation for simultaneous removal of ofloxacin and enrofloxacin using green synthesized Fe NPs. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122871	14.7	30
164	In situ fabrication of green reduced graphene-based biocompatible anode for efficient energy recycle. <i>Chemosphere</i> , <b>2018</b> , 193, 618-624	8.4	30
163	Functional chitosan-stabilized nanoscale zero-valent iron used to remove acid fuchsin with the assistance of ultrasound. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 1085-90	10.3	29
162	Biodegradation of tetradecane using <i>Acinetobacter venetianus</i> immobilized on bagasse. <i>Biochemical Engineering Journal</i> , <b>2015</b> , 100, 76-82	4.2	29
161	A combination of bentonite-supported bimetallic Fe/Pd nanoparticles and biodegradation for the remediation of p-chlorophenol in wastewater. <i>Chemical Engineering Journal</i> , <b>2013</b> , 223, 68-75	14.7	29
160	Speciation of arsenic by ion chromatography inductively coupled plasma mass spectrometry using ammonium eluents. <i>Journal of Separation Science</i> , <b>2006</b> , 29, 2671-6	3.4	29
159	Green mango peel-nanozerovalent iron activated persulfate oxidation of petroleum hydrocarbons in oil sludge contaminated soil. <i>Environmental Technology and Innovation</i> , <b>2018</b> , 11, 142-152	7	28
158	A new nFe@ZIF-8 for the removal of Pb(II) from wastewater by selective adsorption and reduction. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 565, 167-176	9.3	28
157	Characterization of bimetallic Fe/Pd nanoparticles by grape leaf aqueous extract and identification of active biomolecules involved in the synthesis. <i>Science of the Total Environment</i> , <b>2016</b> , 562, 526-532	10.2	28
156	Tracking multiple aromatic compounds in a full-scale coking wastewater reclamation plant: Interaction with biological and advanced treatments. <i>Chemosphere</i> , <b>2019</b> , 222, 431-439	8.4	27
155	Simultaneous removal of 2,4-dichlorophenol and Pb(II) from aqueous solution using organoclays: Isotherm, kinetics and mechanism. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 22, 280-287	6.3	27
154	Simultaneous removal of mixed contaminants by organoclays [Amoxicillin and Cu(II)] from aqueous solution. <i>Applied Clay Science</i> , <b>2014</b> , 102, 196-201	5.2	27



153	A comparative study of the extractability of arsenic species from silverbeet and amaranth vegetables. <i>Environmental Geochemistry and Health</i> , <b>2009</b> , 31 Suppl 1, 103-13	4.7	27
152	The stabilizing mechanism of cadmium in contaminated soil using green synthesized iron oxide nanoparticles under long-term incubation. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 379, 120832	12.8	26
151	Monitored natural attenuation of a long-term petroleum hydrocarbon contaminated sites: a case study. <i>Biodegradation</i> , <b>2012</b> , 23, 881-95	4.1	26
150	Confirmation of vanadium complex formation using electrospray mass spectrometry and determination of vanadium speciation by sample stacking capillary electrophoresis. <i>Analytica Chimica Acta</i> , <b>2007</b> , 585, 32-7	6.6	26
149	On-capillary complexation of metal ions with 4-(2-thiazolylazo)resorcinol in capillary electrophoresis. <i>Journal of Chromatography A</i> , <b>2004</b> , 1029, 249-54	4.5	26
148	On-column complexation and simultaneous separation of vanadium(IV) and vanadium(V) by capillary electrophoresis with direct UV detection. <i>Analytical and Bioanalytical Chemistry</i> , <b>2002</b> , 374, 520-54	4.4	26
147	Simultaneous determination of inorganic anions, carboxylic and aromatic carboxylic acids by capillary zone electrophoresis with direct UV detection. <i>Journal of Chromatography A</i> , <b>2002</b> , 942, 289-94	4.5	26
146	Separation and determination of Cr(III) by titanium dioxide-filled column and inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2001</b> , 436, 59-67	6.6	26
145	Characterization and reactivity of iron based nanoparticles synthesized by tea extracts under various atmospheres. <i>Chemosphere</i> , <b>2017</b> , 169, 413-417	8.4	25
144	One-step biosynthesis of hybrid reduced graphene oxide/iron-based nanoparticles by eucalyptus extract and its removal of dye. <i>Journal of Cleaner Production</i> , <b>2018</b> , 203, 22-29	10.3	25
143	Removal of interferences in the speciation of chromium using an octopole reaction system in ion chromatography with inductively coupled plasma mass spectrometry. <i>Talanta</i> , <b>2007</b> , 73, 948-52	6.2	25
142	Removal mechanism of mitoxantrone by a green synthesized hybrid reduced graphene oxide @ iron nanoparticles. <i>Chemosphere</i> , <b>2020</b> , 246, 125700	8.4	25
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140	Remediation of water contaminated with diesel oil using a coupled process: Biological degradation followed by heterogeneous Fenton-like oxidation. <i>Chemosphere</i> , <b>2017</b> , 183, 286-293	8.4	24
139	Degradation of microcystin-LR using functional clay supported bimetallic Fe/Pd nanoparticles based on adsorption and reduction. <i>Chemical Engineering Journal</i> , <b>2014</b> , 255, 55-62	14.7	24
138	Simultaneous determination of aliphatic and aromatic acids in plant tissue extracts by ion-exclusion chromatography. <i>Analytica Chimica Acta</i> , <b>1999</b> , 386, 249-256	6.6	24
137	Mechanistic insights into Pb(II) removal from aqueous solution by green reduced graphene oxide. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 550, 1-9	9.3	23
136	Factors controlling adsorption of recalcitrant organic contaminant from bio-treated coking wastewater using lignite activated coke and coal tar-derived activated carbon. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 112-120	3.5	23

135	Effect of zero valent iron nanoparticles to <i>Eisenia fetida</i> in three soil types. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 9822-31	5.1	23
134	Functional kaolinite supported Fe/Ni nanoparticles for simultaneous catalytic remediation of mixed contaminants (lead and nitrate) from wastewater. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 428, 302-7	9.3	23
133	Simultaneous separation of nine metal ions and ammonium with nonaqueous capillary electrophoresis. <i>Journal of Chromatography A</i> , <b>2004</b> , 1022, 217-21	4.5	23
132	Biosynthesis of Pd/Au alloys on carbon fiber paper: Towards an eco-friendly solution for catalysts fabrication. <i>Journal of Power Sources</i> , <b>2015</b> , 291, 132-137	8.9	22
131	Modified green synthesis of FeO@SiO nanoparticles for pH responsive drug release. <i>Materials Science and Engineering C</i> , <b>2020</b> , 112, 110900	8.3	22
130	Fate and wetting potential of bio-refractory organics in membrane distillation for coke wastewater treatment. <i>Chemosphere</i> , <b>2018</b> , 208, 450-459	8.4	22
129	<i>Burkholderia vietnamiensis</i> C09V as the functional biomaterial used to remove crystal violet and Cu(II). <i>Ecotoxicology and Environmental Safety</i> , <b>2014</b> , 105, 1-6	7	22
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127	Reactivity of iron-based nanoparticles by green synthesis under various atmospheres and their removal mechanism of methylene blue. <i>RSC Advances</i> , <b>2015</b> , 5, 70874-70882	3.7	21
126	Simultaneous Determination of Inorganic Anions and Organic Acids in Environmental Samples by Capillary Zone Electrophoresis with Indirect UV Detection. <i>Journal of High Resolution Chromatography</i> , <b>1999</b> , 22, 379-385		21
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119	Evaluation and characteristics of a Pb(II) ion-selective electrode based on aquatic humic substances. <i>Analytica Chimica Acta</i> , <b>2000</b> , 418, 205-212	6.6	19
118	Remediation of malachite green in wastewater by ZIF-8@Fe/Ni nanoparticles based on adsorption and reduction. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 594, 398-408	9.3	19

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116	A facile one-step synthesized epsilon-MnO nanoflowers for effective removal of lead ions from wastewater. <i>Chemosphere</i> , <b>2020</b> , 250, 126329	8.4	18
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112	Determination of Carboxylic Acids from Plant Root Exudates by Ion Exclusion Chromatography with ESI-MS. <i>Chromatographia</i> , <b>2008</b> , 67, 113-117	2.1	18
111	Preconcentration using diethylenetriaminetetraacetic acid-functionalized polysiloxane (DETAP) for determination of molybdenum(VI) in seawater by ICP-OES. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 376, 728-34	4.4	18
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100	Characterization of iron nanoparticles/reduced graphene oxide composites synthesized by one step eucalyptus leaf extract. <i>Environmental Pollution</i> , <b>2019</b> , 250, 8-13	9.3	15

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13	Kaolin-supported nanoscale zero-valent iron for removing cationic dye-crystal violet in aqueous solution <b>2012</b> , 189-196		1
12	Isolation and identification of 17 $\beta$ -Estradiol degrading bacteria and its degradation pathway. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127185	12.8	1
11	Simultaneous removal of Sb(III) and Sb(V) from mining wastewater by reduced graphene oxide/bimetallic nanoparticles.. <i>Science of the Total Environment</i> , <b>2022</b> , 836, 155704	10.2	1
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4	Enhanced 17 $\beta$ -Estradiol removal by biosynthesized rGO@Fe NPs using a response surface methodology. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 159, 53-60	5.5	0
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1	Influence of Organic Modifiers on the Separation of Carboxylic Acids Using Co-EOF Capillary Electrophoresis. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2003</b> , 26, 455-468	1.3	