Zuliang Chen

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.

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	Influence of different types of nanomaterials on soil enzyme activity: A global meta-analysis. *Nano Today*, **2022**, 42, 101345	17.9	2
277	New insights on removal mechanism of 17β-estradiol based on adsorption and Fenton-like oxidation by FeNPs/rGO. *Separation and Purification Technology*, **2022**, 283, 120222	8.3	2
276	Enhanced 17β-estradiol removal by biosynthesized rGO@Fe NPs using a response surface methodology. *Chemical Engineering Research and Design*, **2022**, 159, 53-60	5.5	0
275	Fenton-like oxidation for the simultaneous removal of estrone and β-estradiol from wastewater using biosynthesized silver nanoparticles. *Separation and Purification Technology*, **2022**, 285, 120304	8.3	2
274	Isolation and identification of 17β-estradiol degrading bacteria and its degradation pathway. *Journal of Hazardous Materials*, **2022**, 423, 127185	12.8	1
273	Bimetallic Fe/Ni nanoparticles derived from green synthesis for the removal of arsenic (V) in mine wastewater. *Journal of Environmental Management*, **2022**, 301, 113838	7.9	6
272	Green reduction of graphene oxide using Bacillus sphaericus. *Journal of Colloid and Interface Science*, **2022**, 605, 881-887	9.3	4
271	Mechanistic insight into the one step green synthesis of hybrid rGO/Fe NPs. *Materials Today Nano*, **2022**, 18, 100193	9.7	0
270	Synthesis and characterization of Nanoscale Zero-Valent Iron (nZVI) as an adsorbent for the simultaneous removal of As(III) and As(V) from groundwater. *Journal of Water Process Engineering*, **2022**, 47, 102677	6.7	2
269	Simultaneous removal of Sb(III) and Sb(V) from mining wastewater by reduced graphene oxide/bimetallic nanoparticles.. *Science of the Total Environment*, **2022**, 836, 155704	10.2	1
268	Biosynthesis of silver nanoparticles using three different fruit extracts: Characterization, formation mechanism and estrogen removal.. *Journal of Environmental Management*, **2022**, 316, 115224	7.9	1
267	One-step green synthesis of hybrid Fe-Mn nanoparticles: Methodology, characterization and mechanism. *Journal of Cleaner Production*, **2022**, 363, 132406	10.3	0
266	Synthesis of ferroferric oxide@silicon dioxide/cobalt-based zeolitic imidazole frameworks for the removal of doxorubicin hydrochloride from wastewater. *Journal of Colloid and Interface Science*, **2022**, 624, 108-120	9.3	1
265	Removal mechanism of 17β-estradiol by carbonized green synthesis of Fe/Ni nanoparticles. *Chemosphere*, **2021**, 291, 132777	8.4	0
264	Cyclodextrin modified green synthesized graphene oxide@iron nanoparticle composites for enhanced removal of oxytetracycline. *Journal of Colloid and Interface Science*, **2021**, 608, 3159-3159	9.3	0
263	Artificial intelligence modeling and molecular docking to analyze the laccase delignification process of rice straw by Comamonas testosteroni FJ17.. *Bioresource Technology*, **2021**, 126565	11	1
262	Reducing the impact of antibiotics in wastewaters: Increased removal of mitoxantrone from wastewater by biosynthesized manganese nanoparticles. *Journal of Cleaner Production*, **2021**, 293, 126207	10.3	9

261	Removal of low Sb(V) concentrations from mining wastewater using zeolitic imidazolate framework-8. *Journal of Environmental Management*, **2021**, 287, 112280	7.9	7
260	Removal of As(V) by iron-based nanoparticles synthesized via the complexation of biomolecules in green tea extracts and an iron salt. *Science of the Total Environment*, **2021**, 764, 142883	10.2	7
259	Fenton-oxidation of rifampicin via a green synthesized rGO@nFe/Pd nanocomposite. *Journal of Hazardous Materials*, **2021**, 402, 123544	12.8	13
258	Enhanced removal of pefloxacin from aqueous solution by adsorption and Fenton-like oxidation using NH-MIL-88B. *Journal of Colloid and Interface Science*, **2021**, 583, 279-287	9.3	25
257	How do phytogenic iron oxide nanoparticles drive redox reactions to reduce cadmium availability in a flooded paddy soil?. *Journal of Hazardous Materials*, **2021**, 403, 123736	12.8	13
256	Green magnetic nanomaterial as antibiotic release vehicle: The release of pefloxacin and ofloxacin. *Materials Science and Engineering C*, **2021**, 118, 111439	8.3	5
255	Efficient removal of As (III) by calcined green synthesized bimetallic Fe/Pd nanoparticles based on adsorption and oxidation. *Journal of Cleaner Production*, **2021**, 286, 124987	10.3	6
254	Pre-adsorption and Fenton-like oxidation of mitoxantrone using hybrid green synthesized rGO/Fe nanoparticles. *Chemical Engineering Journal*, **2021**, 408, 127273	14.7	8
253	Remediation of malachite green in wastewater by ZIF-8@Fe/Ni nanoparticles based on adsorption and reduction. *Journal of Colloid and Interface Science*, **2021**, 594, 398-408	9.3	19
252	Effects of green synthesized and commercial nZVI on crystal violet degradation by Burkholderia vietnamiensis C09V: Dose-dependent toxicity and biocompatibility. *Chemosphere*, **2021**, 279, 130612	8.4	2
251	Removal mechanism of Sb(III) by a hybrid rGO-Fe/Ni composite prepared by green synthesis via a one-step method. *Science of the Total Environment*, **2021**, 788, 147844	10.2	5
250	Magnetic iron nanoparticles calcined from biosynthesis for fluoroquinolone antibiotic removal from wastewater. *Journal of Cleaner Production*, **2021**, 319, 128734	10.3	4
249	A one step synthesis of hybrid Fe/Ni-rGO using green tea extract for the removal of mixed contaminants. *Chemosphere*, **2021**, 284, 131369	8.4	5
248	A cellulose degrading bacterial strain used to modify rice straw can enhance Cu(II) removal from aqueous solution. *Chemosphere*, **2020**, 256, 127142	8.4	14
247	A facile one-step synthesized epsilon-MnO nanoflowers for effective removal of lead ions from wastewater. *Chemosphere*, **2020**, 250, 126329	8.4	18
246	Modified green synthesis of FeO@SiO nanoparticles for pH responsive drug release. *Materials Science and Engineering C*, **2020**, 112, 110900	8.3	22
245	Simultaneous removal of ammonia and phosphate using green synthesized iron oxide nanoparticles dispersed onto zeolite. *Science of the Total Environment*, **2020**, 703, 135002	10.2	35
244	Tuning the Catalytic Preference of Ruthenium Catalysts for Nitrogen Reduction by Atomic Dispersion. *Advanced Functional Materials*, **2020**, 30, 1905665	15.6	107

243	A new nFe@ZIF-8 for the removal of Pb(II) from wastewater by selective adsorption and reduction. *Journal of Colloid and Interface Science*, **2020**, 565, 167-176	9.3	28
242	Removal mechanism of mitoxantrone by a green synthesized hybrid reduced graphene oxide @ iron nanoparticles. *Chemosphere*, **2020**, 246, 125700	8.4	25
241	Mechanism and impact of synthesis conditions on the one-step green synthesis of hybrid RGO@Fe/Pd nanoparticles. *Science of the Total Environment*, **2020**, 710, 136308	10.2	10
240	Impact of green synthesized iron oxide nanoparticles on the distribution and transformation of As species in contaminated soil. *Environmental Pollution*, **2020**, 258, 113668	9.3	16
239	Impact of green reduced graphene oxide on sewage sludge bioleaching with Acidithiobacillus ferrooxidanse. *Environmental Pollution*, **2020**, 267, 115455	9.3	2
238	Zeolite Imidazolate Framework-8 Metal–Organic Frameworks Embedded with Bimetallic Fe/Pd Nanoparticles for Reductive Dechlorination. *ACS Applied Nano Materials*, **2020**, 3, 8088-8095	5.6	2
237	Synergetic adsorption and Fenton-like oxidation for simultaneous removal of ofloxacin and enrofloxacin using green synthesized Fe NPs. *Chemical Engineering Journal*, **2020**, 382, 122871	14.7	30
236	Green synthesis of iron nanoparticles using red peanut skin extract: Synthesis mechanism, characterization and effect of conditions on chromium removal. *Journal of Colloid and Interface Science*, **2020**, 558, 106-114	9.3	46
235	Simultaneous removal of Pb(II) and rifampicin from wastewater by iron nanoparticles synthesized by a tea extract. *Journal of Cleaner Production*, **2020**, 242, 118476	10.3	50
234	Adsorption and catalytic reduction of rifampicin in wastewaters using hybrid rGO@Fe/Pd nanoparticles. *Journal of Cleaner Production*, **2020**, 264, 121617	10.3	8
233	Highly efficient removal of antibiotic rifampicin from aqueous solution using green synthesis of recyclable nano-FeO. *Environmental Pollution*, **2019**, 247, 839-846	9.3	34
232	Tracking multiple aromatic compounds in a full-scale coking wastewater reclamation plant: Interaction with biological and advanced treatments. *Chemosphere*, **2019**, 222, 431-439	8.4	27
231	Mechanism of As(V) removal by green synthesized iron nanoparticles. *Journal of Hazardous Materials*, **2019**, 379, 120811	12.8	34
230	The stabilizing mechanism of cadmium in contaminated soil using green synthesized iron oxide nanoparticles under long-term incubation. *Journal of Hazardous Materials*, **2019**, 379, 120832	12.8	26
229	Coupling a sterically hindered amine-based absorption and coal fly ash triggered amine regeneration: A high energy-saving process for CO2 absorption and sequestration. *International Journal of Greenhouse Gas Control*, **2019**, 87, 58-65	4.2	12
228	Biosynthetic graphene enhanced extracellular electron transfer for high performance anode in microbial fuel cell. *Chemosphere*, **2019**, 232, 396-402	8.4	35
227	Integration of a diamine solvent based absorption and coal fly ash based mineralisation for CO2 sequestration. *Fuel Processing Technology*, **2019**, 192, 220-226	7.2	15
226	Green synthesis of zero valent iron nanoparticle using mango peel extract and surface characterization using XPS and GC-MS. *Heliyon*, **2019**, 5, e01750	3.6	41

225	A silicon–potash fertilizer prepared from magnesium slag and how it can improve soil fertility and agronomic performance. *Soil Science and Plant Nutrition*, **2019**, 65, 274-280	1.6	0
224	Mechanistic insights into Pb(II) removal from aqueous solution by green reduced graphene oxide. *Journal of Colloid and Interface Science*, **2019**, 550, 1-9	9.3	23
223	Enhanced degradation of malachite by iron nanoparticles encapsulated in sodium alginate beads. *Journal of Industrial and Engineering Chemistry*, **2019**, 77, 238-242	6.3	12
222	Characterization of iron nanoparticles/reduced graphene oxide composites synthesized by one step eucalyptus leaf extract. *Environmental Pollution*, **2019**, 250, 8-13	9.3	15
221	Simultaneous removal of mixed contaminants triclosan and copper by green synthesized bimetallic iron/nickel nanoparticles. *Science of the Total Environment*, **2019**, 695, 133878	10.2	17
220	Effect of iron nanoparticles on passivation of cadmium in the pig manure aerobic composting process. *Science of the Total Environment*, **2019**, 690, 900-910	10.2	14
219	Postcombustion Capture of CO2 by Diamines Containing One Primary and One Tertiary Amino Group: Reaction Rate and Mechanism. *Energy & Fuels*, **2019**, 33, 7500-7508	4.1	10
218	Reduced graphene oxide/iron nanoparticles used for the removal of Pb (II) by one step green synthesis. *Journal of Colloid and Interface Science*, **2019**, 557, 598-607	9.3	6
217	Simultaneous removal of tetracycline and oxytetracycline antibiotics from wastewater using a ZIF-8 metal organic-framework. *Journal of Hazardous Materials*, **2019**, 366, 563-572	12.8	186
216	Aerobic denitrification by Paracoccus sp. YF1 in the presence of Cu(II). *Science of the Total Environment*, **2019**, 658, 80-86	10.2	18
215	Impact of synthesis conditions on Pb(II) removal efficiency from aqueous solution by green tea extract reduced graphene oxide. *Chemical Engineering Journal*, **2019**, 359, 976-981	14.7	37
214	Simultaneous removal of mixed contaminants, copper and norfloxacin, from aqueous solution by ZIF-8. *Chemical Engineering Journal*, **2019**, 362, 628-637	14.7	130
213	Adsorption of doxorubicin hydrochloride on glutaric anhydride functionalized FeO@SiO magnetic nanoparticles. *Materials Science and Engineering C*, **2019**, 98, 65-73	8.3	49
212	Immobilization of cadmium in polluted soils by phytogenic iron oxide nanoparticles. *Science of the Total Environment*, **2019**, 659, 491-498	10.2	30
211	Green synthesis of reduced graphene oxide using bagasse and its application in dye removal: A waste-to-resource supply chain. *Chemosphere*, **2019**, 219, 148-154	8.4	38
210	High-yield synthesis of vaterite microparticles in gypsum suspension system via ultrasonic probe vibration/magnetic stirring. *Journal of Crystal Growth*, **2018**, 492, 122-131	1.6	11
209	The Effects of Nanoscale Zerovalent Iron on Microbial Fuel Cells in the Start-up Process. *Advanced Sustainable Systems*, **2018**, 2, 1700181	5.9	2
208	Green reduction of graphene oxide by sugarcane bagasse extract and its application for the removal of cadmium in aqueous solution. *Journal of Cleaner Production*, **2018**, 189, 128-134	10.3	56

207	Biosynthesized iron oxide nanoparticles used for optimized removal of cadmium with response surface methodology. *Science of the Total Environment*, **2018**, 627, 314-321	10.2	63
206	The formation of iron nanoparticles by Eucalyptus leaf extract and used to remove Cr(VI). *Science of the Total Environment*, **2018**, 627, 470-479	10.2	37
205	Enhanced adsorption and Fenton oxidation of 2,4-dichlorophenol in aqueous solution using organobentonite supported nZVI. *Separation and Purification Technology*, **2018**, 197, 401-406	8.3	30
204	Insights into Carbonation Kinetics of Fly Ash from Victorian Lignite for CO2 Sequestration. *Energy & Fuels*, **2018**, 32, 4569-4578	4.1	40
203	Mechanism for removing 2,4-dichlorophenol via adsorption and Fenton-like oxidation using iron-based nanoparticles. *Chemosphere*, **2018**, 206, 168-174	8.4	31
202	Effect of ethanol on the crystallization and phase transformation of MgCO3□H2O in a MgCl2□CO2□NH3□H2O system. *Powder Technology*, **2018**, 335, 164-170	5.2	14
201	Simultaneous removal of amoxicillin, ampicillin and penicillin by clay supported Fe/Ni bimetallic nanoparticles. *Environmental Pollution*, **2018**, 236, 562-569	9.3	51
200	Factors controlling adsorption of recalcitrant organic contaminant from bio-treated coking wastewater using lignite activated coke and coal tar-derived activated carbon. *Journal of Chemical Technology and Biotechnology*, **2018**, 93, 112-120	3.5	23
199	Removal of doxorubicin hydrochloride using Fe3O4 nanoparticles synthesized by euphorbia cochinchinensis extract. *Chemical Engineering Journal*, **2018**, 353, 482-489	14.7	49
198	One-step biosynthesis of hybrid reduced graphene oxide/iron-based nanoparticles by eucalyptus extract and its removal of dye. *Journal of Cleaner Production*, **2018**, 203, 22-29	10.3	25
197	Fate and wetting potential of bio-refractory organics in membrane distillation for coke wastewater treatment. *Chemosphere*, **2018**, 208, 450-459	8.4	22
196	Green mango peel-nanozerovalent iron activated persulfate oxidation of petroleum hydrocarbons in oil sludge contaminated soil. *Environmental Technology and Innovation*, **2018**, 11, 142-152	7	28
195	Removal of Cr(VI) from aqueous solutions via reduction and absorption by green synthesized iron nanoparticles. *Journal of Cleaner Production*, **2018**, 176, 929-936	10.3	73
194	In situ fabrication of green reduced graphene-based biocompatible anode for efficient energy recycle. *Chemosphere*, **2018**, 193, 618-624	8.4	30
193	Insights into the Chemical Mechanism for CO(aq) and H in Aqueous Diamine Solutions - An Experimental Stopped-Flow Kinetic and H/C NMR Study of Aqueous Solutions of N,N-Dimethylethylenediamine for Postcombustion CO Capture. *Environmental Science & Technology*, **2018**, 52, 916-926	10.3	17
192	The toxicity of graphene and its impacting on bioleaching of metal ions from sewages sludge by Acidithiobacillus sp. *Chemosphere*, **2018**, 195, 90-97	8.4	6
191	The effects of different types of crop straw on the transformation of pentachlorophenol in flooded paddy soil. *Environmental Pollution*, **2018**, 233, 745-754	9.3	14
190	Effects of cetyltrimethylammonium bromide on the morphology of green synthesized FeO nanoparticles used to remove phosphate. *Materials Science and Engineering C*, **2018**, 82, 41-45	8.3	38

189	A Diamine-Based Integrated Absorption-Mineralization Process for Carbon Capture and Sequestration: Energy Savings, Fast Kinetics, and High Stability. *Environmental Science & Technology*, **2018**, 52, 13629-13637	10.3	16
188	New nano-biomaterials for the removal of malachite green from aqueous solution via a response surface methodology. *Water Research*, **2018**, 146, 55-66	12.5	31
187	Burkholderia cepacia immobilized on eucalyptus leaves used to simultaneously remove malachite green (MG) and Cr(VI). *Colloids and Surfaces B: Biointerfaces*, **2018**, 172, 526-531	6	8
186	Integrated absorption-mineralisation for low-energy CO2 capture and sequestration. *Applied Energy*, **2018**, 225, 356-366	10.7	58
185	Green reduction of graphene oxide using eucalyptus leaf extract and its application to remove dye. *Chemosphere*, **2018**, 208, 417-424	8.4	39
184	Simultaneous removal of Cu(II) and Cr(VI) by Mg-Al-Cl layered double hydroxide and mechanism insight. *Journal of Environmental Sciences*, **2017**, 53, 16-26	6.4	55
183	Integrated electrochemical treatment systems for facilitating the bioremediation of oil spill contaminated soil. *Chemosphere*, **2017**, 175, 294-299	8.4	18
182	Novel recalibration methodologies for ion-selective electrode arrays in the multi-ion interference scenario. *Journal of Chemometrics*, **2017**, 31, e2870	1.6	3
181	Characterization and reactivity of iron based nanoparticles synthesized by tea extracts under various atmospheres. *Chemosphere*, **2017**, 169, 413-417	8.4	25
180	Advancement of ammonia based post-combustion CO2 capture using the advanced flash stripper process. *Applied Energy*, **2017**, 202, 496-506	10.7	65
179	Remediation of water contaminated with diesel oil using a coupled process: Biological degradation followed by heterogeneous Fenton-like oxidation. *Chemosphere*, **2017**, 183, 286-293	8.4	24
178	A facile and green preparation of reduced graphene oxide using Eucalyptus leaf extract. *Applied Surface Science*, **2017**, 422, 469-474	6.7	55
177	Functional kaolin supported nanoscale zero-valent iron as a Fenton-like catalyst for the degradation of Direct Black G. *Chemosphere*, **2017**, 184, 664-672	8.4	42
176	Determination of Total Petroleum Hydrocarbons in Australian Groundwater Through the Improvised Gas Chromatography-Flame Ionization Detection Technique. *Journal of Chromatographic Science*, **2017**, 55, 775-783	1.4	9
175	Characterisation and kinetic study of carbon dioxide absorption by an aqueous diamine solution. *Applied Energy*, **2017**, 208, 1308-1317	10.7	31
174	Degradation mechanism of amoxicillin using clay supported nanoscale zero-valent iron. *Applied Clay Science*, **2017**, 147, 137-142	5.2	53
173	Divalent cations impacting on Fenton-like oxidation of amoxicillin using nZVI as a heterogeneous catalyst. *Separation and Purification Technology*, **2017**, 188, 548-552	8.3	6
172	Improved method for the determination of polycyclic aromatic hydrocarbons in contaminated groundwater and soil samples at trace levels employing GC-MSD technique. *Environmental Technology and Innovation*, **2017**, 8, 218-232	7	1

171	One-step green synthesis of bimetallic Fe/Ni nanoparticles by eucalyptus leaf extract: Biomolecules identification, characterization and catalytic activity. *Chemical Engineering Journal*, **2017**, 308, 904-911	14.7	102
170	Biosynthesized iron-based nanoparticles used as a heterogeneous catalyst for the removal of 2,4-dichlorophenol. *Separation and Purification Technology*, **2017**, 175, 222-228	8.3	56
169	Functional chitosan-stabilized nanoscale zero-valent iron used to remove acid fuchsine with the assistance of ultrasound. *Carbohydrate Polymers*, **2016**, 136, 1085-90	10.3	29
168	Removal of mixed contaminants Cr(VI) and Cu(II) by green synthesized iron based nanoparticles. *Ecological Engineering*, **2016**, 97, 32-39	3.9	64
167	Simultaneously determining multi-metal ions using an ion selective electrode array system. *Environmental Technology and Innovation*, **2016**, 6, 165-176	7	11
166	Characterization of bentonite modified with humic acid for the removal of Cu (II) and 2,4-dichlorophenol from aqueous solution. *Applied Clay Science*, **2016**, 134, 89-94	5.2	20
165	Removal of phosphate using iron oxide nanoparticles synthesized by eucalyptus leaf extract in the presence of CTAB surfactant. *Chemosphere*, **2016**, 159, 23-31	8.4	98
164	Reduction of hexavalent chromium by green synthesized nano zero valent iron and process optimization using response surface methodology. *Environmental Technology and Innovation*, **2016**, 5, 136-147	7	36
163	Simultaneous removal of trichloroethylene and hexavalent chromium by green synthesized agarose-Fe nanoparticles hydrogel. *Chemical Engineering Journal*, **2016**, 294, 290-297	14.7	55
162	Effect of zero valent iron nanoparticles to Eisenia fetida in three soil types. *Environmental Science and Pollution Research*, **2016**, 23, 9822-31	5.1	23
161	Potentiometric detection of AFFFs based on MIP. *Environmental Technology and Innovation*, **2016**, 5, 52-59	7	18
160	Environmental application and ecological significance of nano-zero valent iron. *Journal of Environmental Sciences*, **2016**, 44, 88-98	6.4	65
159	Comparison of degradation mechanisms of microcystin-LR using nanoscale zero-valent iron (nZVI) and bimetallic Fe/Ni and Fe/Pd nanoparticles. *Chemical Engineering Journal*, **2016**, 285, 459-466	14.7	56
158	One-step green synthesis of bimetallic Fe/Pd nanoparticles used to degrade Orange II. *Journal of Hazardous Materials*, **2016**, 303, 145-53	12.8	109
157	Effect of humic acid, oxalate and phosphate on Fenton-like oxidation of microcystin-LR by nanoscale zero-valent iron. *Separation and Purification Technology*, **2016**, 170, 337-343	8.3	49
156	Chemical, Mineralogical, and Morphological Characteristics of Pidgeon Magnesium Slag. *Environmental Engineering Science*, **2016**, 33, 290-297	2	2
155	Removal of mixed contaminants, crystal violet, and heavy metal ions by using immobilized stains as the functional biomaterial. *RSC Advances*, **2016**, 6, 67858-67865	3.7	15
154	Toxicity and bioaccumulation of iron in soil microalgae. *Journal of Applied Phycology*, **2016**, 28, 2767-2776	3.2	20

153	Simultaneous adsorption and biodegradation (SAB) of diesel oil using immobilized Acinetobacter venetianus on porous material. *Chemical Engineering Journal*, **2016**, 289, 463-470	14.7	59
152	Decontamination of chlorine gas by organic amine modified copper-exchanged zeolite. *Microporous and Mesoporous Materials*, **2016**, 225, 450-455	5.3	12
151	Cultivation of Chlorella on brewery wastewater and nano-particle biosynthesis by its biomass. *Bioresource Technology*, **2016**, 211, 698-703	11	46
150	Characterization of bimetallic Fe/Pd nanoparticles by grape leaf aqueous extract and identification of active biomolecules involved in the synthesis. *Science of the Total Environment*, **2016**, 562, 526-532	10.2	28
149	Integration of Biodegradation and Nano-Oxidation for Removal of PAHs from Aqueous Solution. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 4717-4723	8.3	21
148	Effects of cyclodextrin on the morphology and reactivity of iron-based nanoparticles using Eucalyptus leaf extract. *Industrial Crops and Products*, **2015**, 69, 308-313	5.9	36
147	An integrated biodegradation and nano-oxidation used for the remediation of naphthalene from aqueous solution. *Chemosphere*, **2015**, 141, 205-11	8.4	16
146	Inhibition or promotion of biodegradation of nitrate by Paracoccus sp. in the presence of nanoscale zero-valent iron. *Science of the Total Environment*, **2015**, 530-531, 241-246	10.2	33
145	Biosynthesis of PdÅu alloys on carbon fiber paper: Towards an eco-friendly solution for catalysts fabrication. *Journal of Power Sources*, **2015**, 291, 132-137	8.9	22
144	Biodegradation of tetradecane using Acinetobacter venetianus immobilized on bagasse. *Biochemical Engineering Journal*, **2015**, 100, 76-82	4.2	29
143	The mechanism for degrading Orange II based on adsorption and reduction by ion-based nanoparticles synthesized by grape leaf extract. *Journal of Hazardous Materials*, **2015**, 296, 37-45	12.8	53
142	Application of mathematical models and genetic algorithm to simulate the response characteristics of an ion selective electrode array for system recalibration. *Chemometrics and Intelligent Laboratory Systems*, **2015**, 144, 24-30	3.8	6
141	Heterogeneous Fenton-like oxidation of malachite green by iron-based nanoparticles synthesized by tea extract as a catalyst. *Separation and Purification Technology*, **2015**, 154, 161-167	8.3	55
140	Reactivity of iron-based nanoparticles by green synthesis under various atmospheres and their removal mechanism of methylene blue. *RSC Advances*, **2015**, 5, 70874-70882	3.7	21
139	Novel methodologies for automatically and simultaneously determining BTEX components using FTIR spectra. *Talanta*, **2015**, 144, 1104-10	6.2	8
138	Heterogeneous Fenton oxidation of 2,4-dichlorophenol using iron-based nanoparticles and persulfate system. *Chemical Engineering Journal*, **2015**, 264, 587-594	14.7	211
137	Simultaneous removal of 2,4-dichlorophenol and Pb(II) from aqueous solution using organoclays: Isotherm, kinetics and mechanism. *Journal of Industrial and Engineering Chemistry*, **2015**, 22, 280-287	6.3	27
136	Synthesis of kaolin supported nanoscale zero-valent iron and its degradation mechanism of Direct Fast Black G in aqueous solution. *Materials Research Bulletin*, **2015**, 61, 433-438	5.1	33

135	Fenton-like oxidation of 2,4-DCP in aqueous solution using iron-based nanoparticles as the heterogeneous catalyst. *Journal of Colloid and Interface Science*, **2015**, 438, 87-93	9.3	76
134	Application of neural networks with novel independent component analysis methodologies to a Prussian blue modified glassy carbon electrode array. *Talanta*, **2015**, 131, 395-403	6.2	12
133	Green synthesized conditions impacting on the reactivity of Fe NPs for the degradation of malachite green. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 137, 154-9	4.4	76
132	Chlorococcum sp. MM11 novel phyco-nanofactory for the synthesis of iron nanoparticles. *Journal of Applied Phycology*, **2015**, 27, 1861-1869	3.2	74
131	Calcium alginate encapsulated Ni/Fe nanoparticles beads for simultaneous removal of Cu (II) and monochlorobenzene. *Journal of Colloid and Interface Science*, **2015**, 447, 85-91	9.3	65
130	Heterogeneous Fenton oxidation of Direct Black G in dye effluent using functional kaolin-supported nanoscale zero iron. *Environmental Science and Pollution Research*, **2014**, 21, 1936-1943	5.1	9
129	Green synthesis of silver nanoparticles using tea leaf extract and evaluation of their stability and antibacterial activity. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 444, 226-231	5.1	275
128	Synthesis of iron-based nanoparticles using oolong tea extract for the degradation of malachite green. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 117, 801-4	4.4	168
127	Green synthesis of iron nanoparticles by various tea extracts: comparative study of the reactivity. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 130, 295-301	4.4	179
126	Voltammetric Determination of Lead (II) and Cadmium (II) Using a Bismuth Film Electrode Modified with Mesoporous Silica Nanoparticles. *Electrochimica Acta*, **2014**, 132, 223-229	6.7	62
125	Decoloration of acid violet red B by bentonite-supported nanoscale zero-valent iron: Reactivity, characterization, kinetics and reaction pathway. *Applied Clay Science*, **2014**, 93-94, 56-61	5.2	33
124	Application of neural networks with novel independent component analysis methodologies for the simultaneous determination of cadmium, copper, and lead using an ISE array. *Journal of Chemometrics*, **2014**, 28, 491-498	1.6	7
123	Biodegradation of naphthalene using a functional biomaterial based on immobilized Bacillus fusiformis (BFN). *Biochemical Engineering Journal*, **2014**, 90, 1-7	4.2	31
122	Environmental remediation techniques of tributyltin contamination in soil and water: A review. *Chemical Engineering Journal*, **2014**, 235, 141-150	14.7	37
121	Clay supported bimetallic Fe/Ni nanoparticles used for reductive degradation of amoxicillin in aqueous solution: Characterization and kinetics. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 443, 404-409	5.1	36
120	Biomolecules in grape leaf extract involved in one-step synthesis of iron-based nanoparticles. *RSC Advances*, **2014**, 4, 53467-53474	3.7	49
119	Adsorption of Orange II dye in aqueous solution onto surfactant-coated zeolite: characterization, kinetic and thermodynamic studies. *Journal of Colloid and Interface Science*, **2014**, 435, 15-20	9.3	77
118	Degradation of microcystin-LR using functional clay supported bimetallic Fe/Pd nanoparticles based on adsorption and reduction. *Chemical Engineering Journal*, **2014**, 255, 55-62	14.7	24

117	Green synthesized iron nanoparticles by green tea and eucalyptus leaves extracts used for removal of nitrate in aqueous solution. *Journal of Cleaner Production*, **2014**, 83, 413-419	10.3	290
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