Zuliang Chen

List of Publications by Year
in descending order

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281 papers	14,482 citations	15503 65 h-index	30920 102 g-index
281 all docs	281 docs citations	281 times ranked	12656 citing authors

#	Article	IF	Citations
1	Kaolinite-supported nanoscale zero-valent iron for removal of Pb2+ from aqueous solution: Reactivity, characterization and mechanism. Water Research, 2011, 45, 3481-3488.	11.3	401
2	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.	9.3	389
3	Simultaneous removal of tetracycline and oxytetracycline antibiotics from wastewater using a ZIF-8 metal organic-framework. Journal of Hazardous Materials, 2019, 366, 563-572.	12.4	386
4	Green synthesis of Fe nanoparticles using eucalyptus leaf extracts for treatment of eutrophic wastewater. Science of the Total Environment, 2014, 466-467, 210-213.	8.0	375
5	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.	4.7	359
6	Removal of methyl orange from aqueous solution using bentonite-supported nanoscale zero-valent iron. Journal of Colloid and Interface Science, 2011, 363, 601-607.	9.4	341
7	Heterogeneous Fenton-like oxidation of monochlorobenzene using green synthesis of iron nanoparticles. Journal of Colloid and Interface Science, 2013, 410, 67-73.	9.4	284
8	Simultaneous removal of mixed contaminants, copper and norfloxacin, from aqueous solution by ZIF-8. Chemical Engineering Journal, 2019, 362, 628-637.	12.7	258
9	Heterogeneous Fenton oxidation of 2,4-dichlorophenol using iron-based nanoparticles and persulfate system. Chemical Engineering Journal, 2015, 264, 587-594.	12.7	257
10	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.	3.9	245
11	Nanoscale zero-valent iron as a catalyst for heterogeneous Fenton oxidation of amoxicillin. Chemical Engineering Journal, 2014, 255, 141-148.	12.7	213
12	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, 801-804.	3.9	203
13	Adsorption of methylene blue and orange II onto unmodified and surfactant-modified zeolite. Journal of Colloid and Interface Science, 2008, 328, 243-247.	9.4	177
14	Synthesis of iron-based nanoparticles by green tea extract and their degradation of malachite. Industrial Crops and Products, 2013, 51, 342-347.	5.2	173
15	Multifunctional kaolinite-supported nanoscale zero-valent iron used for the adsorption and degradation of crystal violet in aqueous solution. Journal of Colloid and Interface Science, 2013, 398, 59-66.	9.4	162
16	Tuning the Catalytic Preference of Ruthenium Catalysts for Nitrogen Reduction by Atomic Dispersion. Advanced Functional Materials, 2020, 30, 1905665.	14.9	159
17	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.	12.7	154
18	Chitosan stabilized bimetallic Fe/Ni nanoparticles used to remove mixed contaminants-amoxicillin and Cd (II) from aqueous solutions. Chemical Engineering Journal, 2013, 229, 27-34.	12.7	151

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19	One-step green synthesis of bimetallic Fe/Pd nanoparticles used to degrade Orange II. Journal of Hazardous Materials, 2016, 303, 145-153.	12.4	137
20	Removal of phosphate using iron oxide nanoparticles synthesized by eucalyptus leaf extract in the presence of CTAB surfactant. Chemosphere, 2016, 159, 23-31.	8.2	125
21	The removal of amoxicillin from wastewater using organobentonite. Journal of Environmental Management, 2013, 129, 569-576.	7.8	117
22	Chlorococcum sp. MM11â€”a novel phyco-nanofactory for the synthesis of iron nanoparticles. Journal of Applied Phycology, 2015, 27, 1861-1869.	2.8	111
23	Simultaneous Determination by Capillary Gas Chromatography of Organic Acids, Sugars, and Sugar Alcohols in Plant Tissue Extracts as Their Trimethylsilyl Derivatives. Analytical Biochemistry, 1999, 266, 77-84.	2.4	110
24	Dechlorination of p-chlorophenol from aqueous solution using bentonite supported Fe/Pd nanoparticles: Synthesis, characterization and kinetics. Desalination, 2011, 280, 167-173.	8.2	109
25	Removal of Cr(VI) from aqueous solutions via reduction and absorption by green synthesized iron nanoparticles. Journal of Cleaner Production, 2018, 176, 929-936.	9.3	109
26	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, 154-159.	3.9	102
27	Simultaneous removal of Pb(II) and rifampicin from wastewater by iron nanoparticles synthesized by a tea extract. Journal of Cleaner Production, 2020, 242, 118476.	9.3	101
28	Spectroscopic study of aluminium speciation in removing humic substances by Al coagulation. Water Research, 1999, 33, 3271-3280.	11.3	97
29	Removal of mixed contaminants Cr(VI) and Cu(II) by green synthesized iron based nanoparticles. Ecological Engineering, 2016, 97, 32-39.	3.6	95
30	Enhancement of catalytic degradation of amoxicillin in aqueous solution using clay supported bimetallic Fe/Ni nanoparticles. Chemosphere, 2014, 103, 80-85.	8.2	94
31	Integrated absorption-mineralisation for low-energy CO2 capture and sequestration. Applied Energy, 2018, 225, 356-366.	10.1	93
32	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.	9.3	92
33	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.	9.4	92
34	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.	9.4	89
35	A facile and green preparation of reduced graphene oxide using Eucalyptus leaf extract. Applied Surface Science, 2017, 422, 469-474.	6.1	89
36	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.	9.4	87

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37	Environmental application and ecological significance of nano-zero valent iron. Journal of Environmental Sciences, 2016, 44, 88-98.	6.1	86
38	Biosynthesized iron oxide nanoparticles used for optimized removal of cadmium with response surface methodology. Science of the Total Environment, 2018, 627, 314-321.	8.0	85
39	Speciation of chromium in waste water using ion chromatography inductively coupled plasma mass spectrometry. Talanta, 2007, 72, 394-400.	5.5	83
40	Comparison of TiO2 nanoparticle and grapheneâ€“TiO2 nanoparticle composite phototoxicity to Daphnia magna and Oryzias latipes. Chemosphere, 2014, 112, 62-69.	8.2	83
41	Simultaneous adsorption and biodegradation (SAB) of diesel oil using immobilized Acinetobacter venetianus on porous material. Chemical Engineering Journal, 2016, 289, 463-470.	12.7	79
42	Functional clay supported bimetallic nZVI/Pd nanoparticles used for removal of methyl orange from aqueous solution. Journal of Hazardous Materials, 2013, 262, 819-825.	12.4	77
43	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.	7.9	77
44	Advancement of ammonia based post-combustion CO2 capture using the advanced flash stripper process. Applied Energy, 2017, 202, 496-506.	10.1	77
45	Removal of doxorubicin hydrochloride using Fe3O4 nanoparticles synthesized by euphorbia cochinchinensis extract. Chemical Engineering Journal, 2018, 353, 482-489.	12.7	77
46	Biodegradation of crystal violet using Burkholderia vietnamiensis C09V immobilized on PVAâ€“sodium alginateâ€“kaolin gel beads. Ecotoxicology and Environmental Safety, 2012, 83, 108-114.	6.0	76
47	Simultaneous removal of Cu(II) and Cr(VI) by Mgâ€“Alâ€“Cl layered double hydroxide and mechanism insight. Journal of Environmental Sciences, 2017, 53, 16-26.	6.1	76
48	Highly efficient removal of antibiotic rifampicin from aqueous solution using green synthesis of recyclable nano-Fe3O4. Environmental Pollution, 2019, 247, 839-846.	7.5	75
49	Remediation of Direct Black G in wastewater using kaolin-supported bimetallic Fe/Ni nanoparticles. Chemical Engineering Journal, 2013, 223, 764-771.	12.7	74
50	Voltammetric Determination of Lead (II) and Cadmium (II) Using a Bismuth Film Electrode Modified with Mesoporous Silica Nanoparticles. Electrochimica Acta, 2014, 132, 223-229.	5.2	74
51	Degradation mechanism of amoxicillin using clay supported nanoscale zero-valent iron. Applied Clay Science, 2017, 147, 137-142.	5.2	74
52	Adsorption of doxorubicin hydrochloride on glutaric anhydride functionalized Fe3O4@SiO2 magnetic nanoparticles. Materials Science and Engineering C, 2019, 98, 65-73.	7.3	74
53	Removal of nitrate using Paracoccus sp. YF1 immobilized on bamboo carbon. Journal of Hazardous Materials, 2012, 229-230, 419-425.	12.4	73
54	Simultaneous removal of trichloroethylene and hexavalent chromium by green synthesized agarose-Fe nanoparticles hydrogel. Chemical Engineering Journal, 2016, 294, 290-297.	12.7	73

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55	Biosynthesized iron-based nanoparticles used as a heterogeneous catalyst for the removal of 2,4-dichlorophenol. Separation and Purification Technology, 2017, 175, 222-228.	7.9	73
56	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.	9.4	72
57	Green synthesis of zero valent iron nanoparticle using mango peel extract and surface characterization using XPS and GC-MS. Heliyon, 2019, 5, e01750.	3.2	72
58	Speciation of arsenic in ground water samples: A comparative study of CE-UV, HG-AAS and LC-ICP-MS. Talanta, 2005, 68, 406-415.	5.5	71
59	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.	12.7	70
60	Insights into Carbonation Kinetics of Fly Ash from Victorian Lignite for CO₂ Sequestration. Energy & Fuels, 2018, 32, 4569-4578.	5.1	70
61	Speciation of iodate and iodide in seawater by non-suppressed ion chromatography with inductively coupled plasma mass spectrometry. Talanta, 2007, 72, 1842-1846.	5.5	69
62	Simultaneous removal of amoxicillin, ampicillin and penicillin by clay supported Fe/Ni bimetallic nanoparticles. Environmental Pollution, 2018, 236, 562-569.	7.5	69
63	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.	8.2	69
64	Simultaneous removal of ammonia and phosphate using green synthesized iron oxide nanoparticles dispersed onto zeolite. Science of the Total Environment, 2020, 703, 135002.	8.0	69
65	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.	9.4	69
66	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. Water Research, 2002, 36, 4830-4838.	11.3	68
67	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.	7.9	68
68	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.	9.4	68
69	Functional kaolin supported nanoscale zero-valent iron as a Fenton-like catalyst for the degradation of Direct Black G. Chemosphere, 2017, 184, 664-672.	8.2	67
70	Simultaneous removal of Pb(II) and Cr(III) by magnetite nanoparticles using various synthesis conditions. Journal of Industrial and Engineering Chemistry, 2014, 20, 3543-3549.	5.8	66
71	Green reduction of graphene oxide using eucalyptus leaf extract and its application to remove dye. Chemosphere, 2018, 208, 417-424.	8.2	65
72	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.	12.4	63

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73	The formation of iron nanoparticles by Eucalyptus leaf extract and used to remove Cr(VI). Science of the Total Environment, 2018, 627, 470-479.	8.0	63
74	Removal of co-contaminants Cu (II) and nitrate from aqueous solution using kaolin-Fe/Ni nanoparticles. Chemical Engineering Journal, 2014, 244, 19-26.	12.7	62
75	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.	12.7	62
76	Cultivation of Chlorella on brewery wastewater and nano-particle biosynthesis by its biomass. Bioresource Technology, 2016, 211, 698-703.	9.6	61
77	New nano-biomaterials for the removal of malachite green from aqueous solution via a response surface methodology. Water Research, 2018, 146, 55-66.	11.3	61
78	Biomolecules in grape leaf extract involved in one-step synthesis of iron-based nanoparticles. RSC Advances, 2014, 4, 53467-53474.	3.6	59
79	Mechanism of As(V) removal by green synthesized iron nanoparticles. Journal of Hazardous Materials, 2019, 379, 120811.	12.4	59
80	Influence of zero-valent iron nanoparticles on nitrate removal by Paracoccus sp.. Chemosphere, 2014, 108, 426-432.	8.2	58
81	Anodic stripping voltammetric determination of traces of Pb(II) and Cd(II) using a glassy carbon electrode modified with bismuth nanoparticles. Mikrochimica Acta, 2014, 181, 1199-1206.	5.0	57
82	Flow-injection Potentiometric Detection of Phosphates Using a Metallic Cobalt Wire Ion-selective Electrode. Analytical Communications, 1997, 34, 93-95.	2.2	56
83	Immobilization of cadmium in polluted soils by phytogenic iron oxide nanoparticles. Science of the Total Environment, 2019, 659, 491-498.	8.0	55
84	Synergetic adsorption and Fenton-like oxidation for simultaneous removal of ofloxacin and enrofloxacin using green synthesized Fe NPs. Chemical Engineering Journal, 2020, 382, 122871.	12.7	55
85	Effects of cetyltrimethylammonium bromide on the morphology of green synthesized Fe3O4 nanoparticles used to remove phosphate. Materials Science and Engineering C, 2018, 82, 41-45.	7.3	54
86	Assessment of toxicity of heavy metal contaminated soils by the toxicity characteristic leaching procedure. Environmental Geochemistry and Health, 2006, 28, 73-78.	3.4	52
87	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.	12.4	52
88	Modified green synthesis of Fe3O4@SiO2 nanoparticles for pH responsive drug release. Materials Science and Engineering C, 2020, 112, 110900.	7.3	52
89	Enhanced adsorption and Fenton oxidation of 2,4-dichlorophenol in aqueous solution using organobentonite supported nZVI. Separation and Purification Technology, 2018, 197, 401-406.	7.9	51
90	Mechanism for removing 2,4-dichlorophenol via adsorption and Fenton-like oxidation using iron-based nanoparticles. Chemosphere, 2018, 206, 168-174.	8.2	51

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91	Biosynthetic graphene enhanced extracellular electron transfer for high performance anode in microbial fuel cell. Chemosphere, 2019, 232, 396-402.	8.2	51
92	Separation of chromium (III) and chromium (VI) by capillary electrophoresis using 2,6-pyridinedicarboxylic acid as a pre-column complexation agent. Journal of Chromatography A, 2001, 927, 219-227.	3.7	50
93	Characterisation and kinetic study of carbon dioxide absorption by an aqueous diamine solution. Applied Energy, 2017, 208, 1308-1317.	10.1	50
94	Enhanced removal of pefloxacin from aqueous solution by adsorption and Fenton-like oxidation using NH2-MIL-88B. Journal of Colloid and Interface Science, 2021, 583, 279-287.	9.4	50
95	Flow injection potentiometric determination of phosphate in waste waters and fertilisers using a cobalt wire ion-selective electrode. Analyst, The, 1998, 123, 1635-1640.	3.5	49
96	Speciation of glyphosate, phosphate and aminomethylphosphonic acid in soil extracts by ion chromatography with inductively coupled plasma mass spectrometry with an octopole reaction system. Talanta, 2009, 78, 852-856.	5.5	48
97	Degradation of scarlet 4BS in aqueous solution using bimetallic Fe/Ni nanoparticles. Journal of Colloid and Interface Science, 2012, 381, 30-35.	9.4	47
98	Removal of Cr(VI) from aqueous solution by surfactant-modified kaolinite. Journal of Industrial and Engineering Chemistry, 2014, 20, 3025-3032.	5.8	47
99	Effects of cyclodextrin on the morphology and reactivity of iron-based nanoparticles using Eucalyptus leaf extract. Industrial Crops and Products, 2015, 69, 308-313.	5.2	46
100	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.	6.1	46
101	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.	8.0	45
102	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.	4.7	44
103	Mechanistic insights into Pb(II) removal from aqueous solution by green reduced graphene oxide. Journal of Colloid and Interface Science, 2019, 550, 1-9.	9.4	44
104	A facile one-step synthesized epsilon-MnO2 nanoflowers for effective removal of lead ions from wastewater. Chemosphere, 2020, 250, 126329.	8.2	44
105	Kaolin-supported nanoscale zero-valent iron for removing cationic dyeâ€“crystal violet in aqueous solution. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	43
106	Simultaneous adsorption and degradation of Zn2+ and Cu2+ from wastewaters using nanoscale zero-valent iron impregnated with clays. Environmental Science and Pollution Research, 2013, 20, 3639-3648.	5.3	43
107	Environmental remediation techniques of tributyltin contamination in soil and water: A review. Chemical Engineering Journal, 2014, 235, 141-150.	12.7	42
108	Biodegradation of TNT using Bacillus mycoides immobilized in PVAâ€“sodium alginateâ€“kaolin. Applied Clay Science, 2013, 83-84, 336-342.	5.2	41

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109	Direct determination of phosphate in soil extracts by potentiometric flow injection using a cobalt wire electrode. Analytica Chimica Acta, 1998, 363, 191-197.	5.4	40
110	Simultaneous Analysis of Amino and Organic Acids in Extracts of Plant Leaves astert-Butyldimethylsilyl Derivatives by Capillary Gas Chromatography. Analytical Biochemistry, 1998, 259, 203-211.	2.4	40
111	Extraction of arsenic species in soils using microwave-assisted extraction detected by ion chromatography coupled to inductively coupled plasma mass spectrometry. Environmental Geochemistry and Health, 2009, 31, 93-102.	3.4	40
112	Impact of Fe and Ni/Fe nanoparticles on biodegradation of phenol by the strain Bacillus fusiformis (BFN) at various pH values. Bioresource Technology, 2013, 136, 588-594.	9.6	40
113	Biodegradation of tetradecane using Acinetobacter venetianus immobilized on bagasse. Biochemical Engineering Journal, 2015, 100, 76-82.	3.6	40
114	On-column complexation capillary electrophoretic separation of Fe2+ and Fe3+ using 2,6-pyridinedicarboxylic acid coupled with large-volume sample stacking. Journal of Chromatography A, 2004, 1023, 151-157.	3.7	39
115	Investigation of Copper(II) Interference on the Anodic Stripping Voltammetry of Lead(II) and Cadmium(II) at Bismuth Film Electrode. Electroanalysis, 2013, 25, 2637-2644.	2.9	39
116	Tracking multiple aromatic compounds in a full-scale coking wastewater reclamation plant: Interaction with biological and advanced treatments. Chemosphere, 2019, 222, 431-439.	8.2	39
117	The separation of arsenic species in soils and plant tissues by anion-exchange chromatography with inductively coupled mass spectrometry using various mobile phases. Microchemical Journal, 2008, 89, 20-28.	4.5	38
118	Biodegradation of naphthalene using a functional biomaterial based on immobilized Bacillus fusiformis (BFN). Biochemical Engineering Journal, 2014, 90, 1-7.	3.6	38
119	Biosynthesis of Pdâ€“Au alloys on carbon fiber paper: Towards an eco-friendly solution for catalysts fabrication. Journal of Power Sources, 2015, 291, 132-137.	7.8	38
120	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.	9.3	38
121	Green mango peel-nanozerovalent iron activated persulfate oxidation of petroleum hydrocarbons in oil sludge contaminated soil. Environmental Technology and Innovation, 2018, 11, 142-152.	6.1	38
122	Removal mechanism of mitoxantrone by a green synthesized hybrid reduced graphene oxide @ iron nanoparticles. Chemosphere, 2020, 246, 125700.	8.2	38
123	Polybrominated diphenyl ethers (PBDEs) in marine foodstuffs in Australia: Residue levels and contamination status of PBDEs. Marine Pollution Bulletin, 2011, 63, 154-159.	5.0	37
124	Simultaneous removal of mixed contaminants by organoclays â€" Amoxicillin and Cu(II) from aqueous solution. Applied Clay Science, 2014, 102, 196-201.	5.2	37
125	Functional chitosan-stabilized nanoscale zero-valent iron used to remove acid fuchsine with the assistance of ultrasound. Carbohydrate Polymers, 2016, 136, 1085-1090.	10.2	37
126	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.	12.4	37

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127	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	36
128	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.	5.2	36
129	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.	8.0	36
130	Characterization and reactivity of iron based nanoparticles synthesized by tea extracts under various atmospheres. Chemosphere, 2017, 169, 413-417.	8.2	36
131	Fenton-oxidation of rifampicin via a green synthesized rGO@nFe/Pd nanocomposite. Journal of Hazardous Materials, 2021, 402, 123544.	12.4	36
132	Potentiometric detection of AFFFs based on MIP. Environmental Technology and Innovation, 2016, 5, 52-59.	6.1	35
133	Speciation of metalâ€“EDTA complexes by flow injection analysis with electrospray ionization mass spectrometry and ion chromatography with inductively coupled plasma mass spectrometry. Journal of Separation Science, 2008, 31, 3796-3802.	2.5	34
134	In situ fabrication of green reduced graphene-based biocompatible anode for efficient energy recycle. Chemosphere, 2018, 193, 618-624.	8.2	34
135	Stripping Voltammetry of Pb(II), Cu(II), and Hg(II) at a Nafion-Coated Glassy Carbon Electrode Modified by Neutral Ionophores. Electroanalysis, 1999, 11, 964-968.	2.9	33
136	Speciation of arsenic by ion chromatography inductively coupled plasma mass spectrometry using ammonium eluents. Journal of Separation Science, 2006, 29, 2671-2676.	2.5	33
137	A combination of bentonite-supported bimetallic Fe/Pd nanoparticles and biodegradation for the remediation of p-chlorophenol in wastewater. Chemical Engineering Journal, 2013, 223, 68-75.	12.7	33
138	Monitored natural attenuation of a long-term petroleum hydrocarbon contaminated sites: a case study. Biodegradation, 2012, 23, 881-895.	3.0	32
139	Toxicity and bioaccumulation of iron in soil microalgae. Journal of Applied Phycology, 2016, 28, 2767-2776.	2.8	32
140	A comparative study of the extractability of arsenic species from silverbeet and amaranth vegetables. Environmental Geochemistry and Health, 2009, 31, 103-113.	3.4	31
141	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.	5.8	31
142	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	31
143	Separation and determination of Cr(III) by titanium dioxide-filled column and inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2001, 436, 59-67.	5.4	30
144	On-column complexation and simultaneous separation of vanadium(IV) and vanadium(V) by capillary electrophoresis with direct UV detection. Analytical and Bioanalytical Chemistry, 2002, 374, 520-525.	3.7	30

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145	Removal of interferences in the speciation of chromium using an octopole reaction system in ion chromatography with inductively coupled plasma mass spectrometry. Talanta, 2007, 73, 948-952.	5.5	30
146	Fate and wetting potential of bio-refractory organics in membrane distillation for coke wastewater treatment. Chemosphere, 2018, 208, 450-459.	8.2	30
147	Characterization of iron nanoparticles/reduced graphene oxide composites synthesized by one step eucalyptus leaf extract. Environmental Pollution, 2019, 250, 8-13.	7.5	30
148	Reducing the impact of antibiotics in wastewaters: Increased removal of mitoxantrone from wastewater by biosynthesized manganese nanoparticles. Journal of Cleaner Production, 2021, 293, 126207.	9.3	30
149	Green reduction of graphene oxide using Bacillus sphaericus. Journal of Colloid and Interface Science, 2022, 605, 881-887.	9.4	30
150	ON-LINE SOLID-PHASE EXTRACTION AND FLUORESCENCE DETECTION OF SELECTED ENDOCRINE DISRUPTING CHEMICALS IN WATER BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2002, 37, 225-234.	1.5	29
151	Confirmation of vanadium complex formation using electrospray mass spectrometry and determination of vanadium speciation by sample stacking capillary electrophoresis. Analytica Chimica Acta, 2007, 585, 32-37.	5.4	29
152	Burkholderia vietnamiensis C09V as the functional biomaterial used to remove crystal violet and Cu(II). Ecotoxicology and Environmental Safety, 2014, 105, 1-6.	6.0	29
153	Factors controlling adsorption of recalcitrant organic contaminant from bioâ€treated coking wastewater using lignite activated coke and coal tarâ€derived activated carbon. Journal of Chemical Technology and Biotechnology, 2018, 93, 112-120.	3.2	29
154	Impact of green synthesized iron oxide nanoparticles on the distribution and transformation of As species in contaminated soil. Environmental Pollution, 2020, 258, 113668.	7.5	29
155	Bimetallic Fe/Ni nanoparticles derived from green synthesis for the removal of arsenic (V) in mine wastewater. Journal of Environmental Management, 2022, 301, 113838.	7.8	29
156	A Diamine-Based Integrated Absorptionâ€“Mineralization Process for Carbon Capture and Sequestration: Energy Savings, Fast Kinetics, and High Stability. Environmental Science & Technology, 2018, 52, 13629-13637.	10.0	28
157	A cellulose degrading bacterial strain used to modify rice straw can enhance Cu(II) removal from aqueous solution. Chemosphere, 2020, 256, 127142.	8.2	28
158	Isolation and identification of 17Î²-estradiol degrading bacteria and its degradation pathway. Journal of Hazardous Materials, 2022, 423, 127185.	12.4	28
159	Remediation of water contaminated with diesel oil using a coupled process: Biological degradation followed by heterogeneous Fenton-like oxidation. Chemosphere, 2017, 183, 286-293.	8.2	27
160	Aerobic denitrification by Paracoccus sp. YF1 in the presence of Cu(II). Science of the Total Environment, 2019, 658, 80-86.	8.0	27
161	Simultaneous determination of inorganic anions, carboxylic and aromatic carboxylic acids by capillary zone electrophoresis with direct UV detection. Journal of Chromatography A, 2002, 942, 289-294.	3.7	26
162	On-column complexation of metal ions using 2,6-pyridinedicarboxylic acid and separation of their anionic complexes by capillary electrophoresis with direct UV detection. Journal of Chromatography A, 2002, 966, 245-251.	3.7	26

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