Kitae Baek

List of Publications by Year
in descending order

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208	7,621	36303	79698
papers	citations	51 h-index	73 g-index

211	211	211	6165
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functional use of CO2 to mitigate the formation of bisphenol A in catalytic pyrolysis of polycarbonate. Journal of Hazardous Materials, 2022, 423, 126992.	12.4	20
2	Simultaneous productions of biodiesel and biochar from krill. Journal of Cleaner Production, 2022, 335, 130296.	9.3	7
3	Simultaneous oxidation and analysis of TOC-TN-TP in one pot reactor. Chemosphere, 2022, 292, 133336.	8.2	3
4	Removal of 1,2-dichloroethane in groundwater using Fenton oxidation. Journal of Hazardous Materials, 2022, 428, 128253.	12.4	25
5	Control of arsenic release from paddy soils using alginate encapsulated calcium peroxide. Journal of Hazardous Materials, 2022, 432, 128751.	12.4	10
6	Fluoride-contaminated water remediation using biochar derived from dairy processing sludge. Chemical Engineering Journal, 2022, 446, 136955.	12.7	6
7	Biochar application strategies for polycyclic aromatic hydrocarbons removal from soils. Environmental Research, 2022, 213, 113599.	7.5	28
8	CaO2-based electro-Fenton-oxidation of 1,2-dichloroethane in groundwater. Science of the Total Environment, 2022, 843, 157065.	8.0	5
9	Desorption technologies for remediation of cesium-contaminated soils: a short review. Environmental Geochemistry and Health, 2021, 43, 3263-3272.	3.4	9
10	Dual radicals-enhanced wet chemical oxidation of non-biodegradable chemicals. Journal of Hazardous Materials, 2021, 401, 123746.	12.4	6
11	Mitigating translocation of arsenic from rice field to soil pore solution by manipulating the redox conditions. Science of the Total Environment, 2021, 762, 143124.	8.0	12
12	Occurrence and removal of microplastics in wastewater treatment plants and drinking water purification facilities: A review. Chemical Engineering Journal, 2021, 410, 128381.	12.7	62
13	Interaction of biochar stability and abiotic aging: Influences of pyrolysis reaction medium and temperature. Chemical Engineering Journal, 2021, 411, 128441.	12.7	49
14	Pelletized adsorbent of alum sludge and bentonite for removal of arsenic. Environmental Pollution, 2021, 277, 116747.	7.5	22
15	Special issue on contamination, remediation and health for pollutants in natural aquatic, soil, sediments and atmospheric environments. Environmental Geochemistry and Health, 2021, 43, 3261-3262.	3.4	0
16	Preface â€" Recent advances in cleanup of contaminated sites. Journal of Soils and Sediments, 2021, 21, 2731-2731.	3.0	0
17	Bioremediation strategies with biochar for polychlorinated biphenyls (PCBs)-contaminated soils: A review. Environmental Research, 2021, 200, 111757.	7.5	31
18	Transport of TiO2 and CeO2 nanoparticles in saturated porous media in the presence of surfactants with environmentally relevant concentrations. Environmental Science and Pollution Research, 2021, , 1.	5.3	2

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19	Removal of ammonium, phosphate, and sulfonamide antibiotics using alum sludge and low-grade charcoal pellets. Chemosphere, 2021, 281, 130960.	8.2	15
20	In-situ generation of reactive oxygen species using combination of electrochemical oxidation and metal sulfide. Science of the Total Environment, 2021, 789, 147961.	8.0	13
21	Enhanced-oxidation of sulfanilamide in groundwater using combination of calcium peroxide and pyrite. Journal of Hazardous Materials, 2021, 419, 126514.	12.4	32
22	Hybrid process of combined soil washing and selective adsorption to treat Cs-contaminated soil. Chemical Engineering Journal, 2021, 423, 129921.	12.7	10
23	Reduction of nitrate using biochar synthesized by Co-Pyrolyzing sawdust and iron oxide. Environmental Pollution, 2021, 290, 118028.	7.5	7
24	Simultaneous oxidation and adsorption of arsenic by one-step fabrication of alum sludge and graphitic carbon nitride (g-C3N4). Journal of Hazardous Materials, 2020, 383, 121138.	12.4	37
25	Adsorption characteristics of cesium onto calcium-silicate-hydrate in concrete powder and block. Chemosphere, 2020, 259, 127494.	8.2	26
26	Prefaceâ€"Biochar and agricultural sustainability. Journal of Soils and Sediments, 2020, 20, 3015-3016.	3.0	4
27	Mobility of arsenic in soil amended with biochar derived from biomass with different lignin contents: Relationships between lignin content and dissolved organic matter leaching. Chemical Engineering Journal, 2020, 393, 124687.	12.7	49
28	Bifunctional iron-modified graphitic carbon nitride (g-C3N4) for simultaneous oxidation and adsorption of arsenic. Environmental Research, 2020, 188, 109832.	7.5	20
29	Role of carbon fiber electrodes and carbonate electrolytes in electrochemical phenol oxidation. Journal of Hazardous Materials, 2020, 400, 123083.	12.4	27
30	One-step Oxidation of Total Organic Carbon, Total Nitrogen, and Total Phosphorous using Wet Chemical Oxidation. Daehan Hwan'gyeong Gonghag Hoeji, 2020, 42, 603-609.	1.1	1
31	Enhanced irreversible fixation of cesium by wetting and drying cycles in soil. Environmental Geochemistry and Health, 2019, 41, 149-157.	3.4	10
32	Consecutive reduction of Cr(VI) by Fe(II) formed through photo-reaction of iron-dissolved organic matter originated from biochar. Environmental Pollution, 2019, 253, 231-238.	7.5	37
33	Photo-induced redox coupling of dissolved organic matter and iron in biochars and soil system: Enhanced mobility of arsenic. Science of the Total Environment, 2019, 689, 1037-1043.	8.0	34
34	Evaluation on bioaccessibility of arsenic in the arsenic-contaminated soil. Korean Journal of Chemical Engineering, 2019, 36, 1780-1784.	2.7	3
35	Mechanistic insights into red mud, blast furnace slag, or metakaolin-assisted stabilization/solidification of arsenic-contaminated sediment. Environment International, 2019, 133, 105247.	10.0	91
36	Pellet adsorbent derived from molasses and dewatered alum sludge for arsenic removal. Journal of CO2 Utilization, 2019, 33, 31-36.	6.8	11

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37	Selective recovery of ferrous oxalate and removal of arsenic and other metals from soil-washing wastewater using a reduction reaction. Journal of Cleaner Production, 2019, 221, 635-643.	9.3	43
38	Thermolysis of crude oil sludge using CO2 as reactive gas medium. Energy Conversion and Management, 2019, 186, 393-400.	9.2	36
39	Selective adsorption and irreversible fixation behavior of cesium onto 2:1 layered clay mineral: A mini review. Journal of Hazardous Materials, 2019, 369, 569-576.	12.4	62
40	Transforming waterworks sludge into controlled low-strength material: Bench-scale optimization and field test validation. Journal of Environmental Management, 2019, 232, 254-263.	7.8	29
41	Novel synergy of Si-rich minerals and reactive MgO for stabilisation/solidification of contaminated sediment. Journal of Hazardous Materials, 2019, 365, 695-706.	12.4	151
42	Adsorption characteristics of cesium on the clay minerals: Structural change under wetting and drying condition. Geoderma, 2019, 340, 49-54.	5.1	30
43	Enhanced adsorption of arsenic using calcined alginate bead containing alum sludge from water treatment facilities. Journal of Environmental Management, 2019, 234, 181-188.	7.8	45
44	Efficacy and limitations of low-cost adsorbents for in-situ stabilisation of contaminated marine sediment. Journal of Cleaner Production, 2019, 212, 420-427.	9.3	23
45	Study on removal of Se(IV) using Fe-Mn layered double hydroxides and Fe-Mn Dos (double oxides). Mongolian Journal of Chemistry, 2019, 20, 29-37.	0.3	1
46	A novel type of controlled low strength material derived from alum sludge and green materials. Construction and Building Materials, 2018, 165, 792-800.	7.2	75
47	Combined application of EDDS and EDTA for removal of potentially toxic elements under multiple soil washing schemes. Chemosphere, 2018, 205, 178-187.	8.2	62
48	Biodiesel production from waste cooking oil using biochar derived from chicken manure as a porous media and catalyst. Energy Conversion and Management, 2018, 165, 628-633.	9.2	125
49	Selection criteria for oxidation method in total organic carbon measurement. Chemosphere, 2018, 199, 453-458.	8.2	36
50	Semi-continuous operation and fouling characteristics of submerged membrane photobioreactor (SMPBR) for tertiary treatment of livestock wastewater. Journal of Cleaner Production, 2018, 180, 244-251.	9.3	28
51	Enhanced adsorption of arsenic onto alum sludge modified by calcination. Journal of Cleaner Production, 2018, 176, 54-62.	9.3	91
52	Adsorption characteristics of arsenic and phosphate onto iron impregnated biochar derived from anaerobic granular sludge. Korean Journal of Chemical Engineering, 2018, 35, 1409-1413.	2.7	32
53	Simultaneous application of oxalic acid and dithionite for enhanced extraction of arsenic bound to amorphous and crystalline iron oxides. Journal of Hazardous Materials, 2018, 354, 91-98.	12.4	24
54	Compositional modification of products from Co-Pyrolysis of chicken manure and biomass by shifting carbon distribution from pyrolytic oil to syngas using CO2. Energy, 2018, 153, 530-538.	8.8	34

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55	Interactions of food waste compost with metals and metal-chelant complexes during soil remediation. Journal of Cleaner Production, 2018, 192, 199-206.	9.3	29
56	Compositional modification of pyrogenic products using CaCO₃ and CO₂ from the thermolysis of polyvinyl chloride (PVC). Green Chemistry, 2018, 20, 1583-1593.	9.0	22
57	Synergistic and inhibitory reduction of Cr(VI) by montmorillonite, citric acid, and Mn(II). Journal of Soils and Sediments, 2018, 18, 205-210.	3.0	13
58	Chelant-enhanced washing of CCA-contaminated soil: Coupled with selective dissolution or soil stabilization. Science of the Total Environment, 2018, 612, 1463-1472.	8.0	60
59	Role of clay minerals on reduction of Cr(VI). Geoderma, 2018, 312, 1-5.	5.1	45
60	A combination of ferric nitrate/EDDS-enhanced washing and sludge-derived biochar stabilization of metal-contaminated soils. Science of the Total Environment, 2018, 616-617, 572-582.	8.0	146
61	The enhanced thermolysis of heavy oil contaminated soil using CO2 for soil remediation and energy recovery. Journal of CO2 Utilization, 2018, 28, 367-373.	6.8	16
62	Mechanisms of the Removal of U(VI) from Aqueous Solution Using Biochar: A Combined Spectroscopic and Modeling Approach. Environmental Science & Technology, 2018, 52, 13057-13067.	10.0	63
63	Effect of dissolved organic carbon from sludge, Rice straw and spent coffee ground biochar on the mobility of arsenic in soil. Science of the Total Environment, 2018, 636, 1241-1248.	8.0	111
64	Low-carbon and low-alkalinity stabilization/solidification of high-Pb contaminated soil. Chemical Engineering Journal, 2018, 351, 418-427.	12.7	174
65	Recycling dredged sediment into fill materials, partition blocks, and paving blocks: Technical and economic assessment. Journal of Cleaner Production, 2018, 199, 69-76.	9.3	109
66	Photocatalytic co-oxidation of As(III) and Orange G using urea-derived g-C3N4 and persulfate. Chemosphere, 2018, 212, 193-199.	8.2	40
67	The use of organic waste-derived volatile fatty acids as raw materials of C4-C5 bioalcohols. Journal of Cleaner Production, 2018, 201, 14-21.	9.3	23
68	Ferric-enhanced chemical remediation of dredged marine sediment contaminated by metals and petroleum hydrocarbons. Environmental Pollution, 2018, 243, 87-93.	7.5	8
69	Simultaneous application of chemical oxidation and extraction processes is effective at remediating soil Co-contaminated with petroleum and heavy metals. Journal of Environmental Management, 2017, 186, 314-319.	7.8	46
70	Adsorption of As(III) and As(V) in groundwater by Feâ€“Mn binary oxide-impregnated granular activated carbon (IMIGAC). Journal of the Taiwan Institute of Chemical Engineers, 2017, 72, 62-69.	5.3	48
71	Sustainability likelihood of remediation options for metal-contaminated soil/sediment. Chemosphere, 2017, 174, 421-427.	8.2	19
72	Soil moisture could enhance electrokinetic remediation of arsenic-contaminated soil. Environmental Science and Pollution Research, 2017, 24, 9820-9825.	5.3	29

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73	Adsorption and photocatalytic activity of biochar with graphitic carbon nitride (g-C 3 N 4). Journal of the Taiwan Institute of Chemical Engineers, 2017, 77, 244-249.	5.3	40
74	Controlled release of iron for activation of persulfate to oxidize orange G using iron anode. Korean Journal of Chemical Engineering, 2017, 34, 1305-1309.	2.7	12
75	Synergistic effects of the combination of oxalate and ascorbate on arsenic extraction from contaminated soils. Chemosphere, 2017, 168, 1439-1446.	8.2	20
76	A combination of reducing and chelating agents for electrolyte conditioning in electrokinetic remediation of As-contaminated soil. Journal of the Taiwan Institute of Chemical Engineers, 2017, 70, 252-259.	5.3	35
77	Effects of lead mineralogy on soil washing enhanced by ferric salts as extracting and oxidizing agents. Chemosphere, 2017, 185, 501-508.	8.2	21
78	One-dimensional column and three-dimensional box flushing of silicone emulsion-enhanced remediation for chlorinated solvent contaminated soils. Korean Journal of Chemical Engineering, 2017, 34, 741-746.	2.7	2
79	Selective and irreversible adsorption mechanism of cesium on illite. Applied Geochemistry, 2017, 85, 188-193.	3.0	74
80	Treatment of Selective Sequential Precipitation for Recovering Fe and Al From Mine Water an Abandoned Coal Mine. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2017, 54, 215-222.	0.4	2
81	Influence of Physicochemical Properties on Cesium Adsorption onto Soil. Journal of Soil and Groundwater Environment, 2017, 22, 27-32.	0.1	5
82	Feasibility Study on Stabilization Technique of Cr(VI)-contaminated Site. Journal of Soil and Groundwater Environment, 2017, 22, 27-32.	0.1	3
83	Iron Anode-Mediated Activation of Persulfate. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	16
84	Assessment of soil washing for simultaneous removal of heavy metals and low-level petroleum hydrocarbons using various washing solutions. Environmental Earth Sciences, 2016, 75, 1.	2.7	18
85	Continuous electrochemical removal of salts from Korean food wastes. Journal of the Taiwan Institute of Chemical Engineers, 2016, 64, 142-145.	5.3	6
86	Extraction mechanism of lead from shooting range soil by ferric salts. Chemical Engineering Research and Design, 2016, 103, 174-182.	5.6	26
87	Electrokinetic Removal of As from Soil Washing Residue. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	11
88	Integrating EDDS-enhanced washing with low-cost stabilization of metal-contaminated soil from an e-waste recycling site. Chemosphere, 2016, 159, 426-432.	8.2	65
89	Role of reducing agent in extraction of arsenic and heavy metals from soils by use of EDTA. Chemosphere, 2016, 152, 274-283.	8.2	91
90	Study on electrocoagulation parameters (current density, pH, and electrode distance) for removal of fluoride from groundwater. Environmental Earth Sciences, 2016, 75, 1.	2.7	29

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91	A new approach for remediation of As-contaminated soil: ball mill-based technique. Environmental Science and Pollution Research, 2016, 23, 3963-3970.	5.3	6
92	Oxalate-based remediation of arsenic bound to amorphous Fe and Al hydrous oxides in soil. Geoderma, 2016, 270, 76-82.	5.1	53
93	Removal of Cu2+ by biochars derived from green macroalgae. Environmental Science and Pollution Research, 2016, 23, 985-994.	5.3	52
94	Stabilization of As-, Pb-, and Cu-contaminated soil using calcined oyster shells and steel slag. Environmental Science and Pollution Research, 2015, 22, 11162-11169.	5.3	46
95	Step-Wise Extraction of Metals from Dredged Marine Sediments. Separation Science and Technology, 2015, 50, 536-544.	2.5	8
96	Selective Recovery of Dissolved Metals from Mine Drainage Using Electrochemical Reactions. Electrochimica Acta, 2015, 181, 248-254.	5.2	58
97	Effects of natural organic matter on the coprecipitation of arsenic with iron. Environmental Geochemistry and Health, 2015, 37, 1029-1039.	3.4	19
98	Enhanced-electrokinetic extraction of heavy metals from dredged harbor sediment. Environmental Science and Pollution Research, 2015, 22, 9912-9921.	5.3	21
99	Application of solar-cells in the electrokinetic remediation of As-contaminated soil. Electrochimica Acta, 2015, 181, 160-166.	5.2	57
100	Enhanced Electrokinetic Transport of Sulfate in Saline Soil. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	10
101	In situ field application of electrokinetic remediation for an As-, Cu-, and Pb-contaminated rice paddy site using parallel electrode configuration. Environmental Science and Pollution Research, 2015, 22, 15763-15771.	5.3	6
102	Abiotic reductive extraction of arsenic from contaminated soils enhanced by complexation: Arsenic extraction by reducing agents and combination of reducing and chelating agents. Journal of Hazardous Materials, 2015, 283, 454-461.	12.4	63
103	Selective recovery of dissolved Fe, Al, Cu, and Zn in acid mine drainage based on modeling to predict precipitation pH. Environmental Science and Pollution Research, 2015, 22, 3013-3022.	5.3	41
104	Extractive and oxidative removal of copper bound to humic acid in soil. Environmental Science and Pollution Research, 2015, 22, 6077-6085.	5.3	8
105	Enhanced reductive extraction of arsenic from contaminated soils by a combination of dithionite and oxalate. Journal of Hazardous Materials, 2015, 284, 19-26.	12.4	43
106	In situ electrokinetic remediation of As-, Cu-, and Pb-contaminated paddy soil using hexagonal electrode configuration: a full scale study. Environmental Science and Pollution Research, 2015, 22, 711-720.	5.3	47
107	IRON ELECTROCOAGULATION WITH ENHANCED CATHODIC REDUCTION FOR THE REMOVAL OF AQUEOUS CONTAMINANT MIXTURES. Environmental Engineering and Management Journal, 2015, 14, 2905-2911.	0.6	3
108	Mechanism on Extraction of Heavy Metals from Soil by Ultrasonication. Journal of Soil and Groundwater Environment, 2015, 20, 28-35.	0.1	0

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109	Recovery of Petroleum Hydrocarbons from Oily Sludge Landfilled Soil. Journal of Soil and Groundwater Environment, 2015, 20, 41-46.	0.1	1
110	Characterization of Natural Zeolite and Study of Adsorption Properties of Heavy Metal Ions for Development of Zeolite Mine. Journal of the Mineralogical Society of Korea, 2015, 28, 299-308.	0.2	2
111	IRON ELECTROCOAGULATION WITH ENHANCED CATHODIC REDUCTION FOR THE REMOVAL OF AQUEOUS CONTAMINANT MIXTURES. Environmental Engineering and Management Journal, 2015, 14, 2905-2911.	0.6	1
112	Occurrence of perchlorate in rice from different areas in the Republic of Korea. Environmental Science and Pollution Research, 2014, 21, 1251-1257.	5.3	20
113	Field application of electrokinetic remediation for multi-metal contaminated paddy soil using two-dimensional electrode configuration. Environmental Science and Pollution Research, 2014, 21, 4482-4491.	5.3	54
114	Environmental assessment on electrokinetic remediation of multimetal-contaminated site: a case study. Environmental Science and Pollution Research, 2014, 21, 6751-6758.	5.3	20
115	Arsenic speciation and bioaccessibility in arsenic-contaminated soils: Sequential extraction and mineralogical investigation. Environmental Pollution, 2014, 186, 29-35.	7.5	158
116	The transport behavior of As, Cu, Pb, and Zn during electrokinetic remediation of a contaminated soil using electrolyte conditioning. Chemosphere, 2014, 117, 79-86.	8.2	77
117	Removal of As(III) and As(V) using iron-rich sludge produced from coal mine drainage treatment plant. Environmental Science and Pollution Research, 2014, 21, 10878-10889.	5.3	28
118	Stepwise Sequential Extraction of Asâ€‚Cuâ€‚and Pbâ€‚Contaminated Paddy Soil. Clean - Soil, Air, Water, 2014, 42, 1785-1789.	1.1	5
119	Environmental Impact of Soil Washing Process Based on the CO2Emissions and Energy Consumption. Korean Chemical Engineering Research, 2014, 52, 119-125.	0.2	1
120	Immobilization of lead in contaminated firing range soil using biochar. Environmental Science and Pollution Research, 2013, 20, 8464-8471.	5.3	122
121	Environmental assessment on a soil washing process of a Pb-contaminated shooting range site: a case study. Environmental Science and Pollution Research, 2013, 20, 8417-8424.	5.3	25
122	Ex situ pilot scale electrokinetic restoration of saline soil using pulsed current. Separation and Purification Technology, 2013, 120, 282-288.	7.9	35
123	Removal characteristics of copper by marine macro-algae-derived chars. Chemical Engineering Journal, 2013, 217, 205-211.	12.7	67
124	Iron anode mediated transformation of selenate in sand columns. Water Research, 2013, 47, 6538-6545.	11.3	10
125	Field Application of In Situ Electrokinetic Remediation for As-, Cu-, and Pb-Contaminated Paddy Soil. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	27
126	Electrochemical removal of selenate from aqueous solutions. Chemical Engineering Journal, 2013, 215-216, 678-684.	12.7	42

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127	Extraction characteristics of heavy metals from marine sediments. Chemical Engineering Journal, 2013, 228, 688-699.	12.7	88
128	Selective recovery of Cu, Zn, and Ni from acid mine drainage. Environmental Geochemistry and Health, 2013, 35, 735-743.	3.4	26
129	Evaluation of Electrolyte and Electrode Spacing for Application of Electrokinetic Remediation. Journal of Soil and Groundwater Environment, 2013, 18, 6-15.	0.1	2
130	Extraction of Total Petroleum Hydracabons from Petroleum Oil-Contaminated Sandy Soil by Soil Washing. Journal of Soil and Groundwater Environment, 2013, 18, 18-24.	0.1	2
131	Electrokinetic Extraction of Metals from Marine Sediment. Korean Chemical Engineering Research, 2013, 51, 733-738.	0.2	2
132	Soil Washing and Effluent Treatment for Contaminated Soil with Toxic Metals. Korean Chemical Engineering Research, 2013, 51, 745-754.	0.2	4
133	Electrode Configuration for Electrokinetic Restoration of Greenhouse Saline Soil. Separation Science and Technology, 2012, 47, 1677-1681.	2.5	9
134	The effect of repetitive transcranial magnetic stimulation on fear extinction in rats. Neuroscience, 2012, 200, 159-165.	2.3	23
135	Optimization of electrochemical dechlorination of trichloroethylene in reducing electrolytes. Water Research, 2012, 46, 1847-1857.	11.3	65
136	Hexagonal two dimensional electrokinetic systems for restoration of saline agricultural lands: A pilot study. Chemical Engineering Journal, 2012, 198-199, 110-121.	12.7	52
137	A generalized model for transport of contaminants in soil by electric fields. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 308-318.	1.7	36
138	In situ field scale electrokinetic remediation of multi-metals contaminated paddy soil: Influence of electrode configuration. Electrochimica Acta, 2012, 86, 89-95.	5.2	83
139	Pulse-enhanced electrokinetic restoration of sulfate-containing saline greenhouse soil. Electrochimica Acta, 2012, 86, 57-62.	5.2	41
140	Application of iron-coated zeolites (ICZ) for mine drainage treatment. Korean Journal of Chemical Engineering, 2012, 29, 1171-1177.	2.7	17
141	Green Remediation of Soil and Groundwater by Electrochemical Methods. , 2012, , .		1
142	Electrokinetic extraction of heavy metals from dredged marine sediment. Separation and Purification Technology, 2011, 79, 164-169.	7.9	108
143	Pilot-scale ex situ electrokinetic restoration of saline greenhouse soil. Journal of Soils and Sediments, 2011, 11, 947-958.	3.0	25
144	Influence of mixed-surfactant on reductive dechlorination of trichloroethylene by zero-valent iron. Korean Journal of Chemical Engineering, 2011, 28, 1047-1053.	2.7	6

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145	Electrokinetic Restoration of Sulfateâ€Accumulated Saline Greenhouse Soil. Clean - Soil, Air, Water, 2011, 39, 1036-1040.	1.1	17
146	Electrolyte conditioning for electrokinetic remediation of As, Cu, and Pb-contaminated soil. Separation and Purification Technology, 2011, 79, 170-176.	7.9	96
147	Research and field experiences on electrokinetic remediation in South Korea. Separation and Purification Technology, 2011, 79, 116-123.	7.9	71
148	Removal Characteristics of Cd(II), Cu(II), Pb(II), and Zn(II) by Natural Mongolian Zeolite through Batch and Column Experiments. Separation Science and Technology, 2011, 46, 1313-1320.	2.5	20
149	Pulsed electrokinetic removal of Cd and Zn from fine-grained soil. Journal of Applied Electrochemistry, 2010, 40, 1039-1047.	2.9	57
150	Electrokinetic restoration of saline agricultural lands. Journal of Applied Electrochemistry, 2010, 40, 1085-1093.	2.9	44
151	Electrokinetic removal of chloride and sodium from tidelands. Journal of Applied Electrochemistry, 2010, 40, 1139-1144.	2.9	38
152	Electrokinetic Removal of Petroleum Hydrocarbon from Residual Clayey Soil Following a Washing Process. Clean - Soil, Air, Water, 2010, 38, 189-193.	1.1	39
153	Assessment of metals contamination of soils in Ulaanbaatar, Mongolia. Journal of Hazardous Materials, 2010, 184, 872-876.	12.4	83
154	Adsorption of As(III), As(V), Cd(II), Cu(II), and Pb(II) from Aqueous Solutions by Natural Muscovite. Separation Science and Technology, 2010, 45, 814-823.	2.5	33
155	Electrokinetic Separation of Heavy Metals from Wastewater Treatment Sludge. Separation Science and Technology, 2010, 45, 1982-1987.	2.5	18
156	Removal of Metal Ions From Aqueous Solutions Using Sawdust Modified with Citric Acid or Tartaric Acid. Separation Science and Technology, 2010, 45, 1963-1974.	2.5	25
157	Phenanthrene and 2,2â€²,5,5â€²-PCB sorption by several soils from methanolâ€“water solutions: The effect of weathering and solute structure. Chemosphere, 2010, 78, 423-429.	8.2	12
158	Alkaline Enhanced-Separation of Waste Lubricant Oils from Railway Contaminated Soil. Separation Science and Technology, 2010, 45, 1988-1993.	2.5	11
159	Removal of As(V) from aqueous system using steel-making by-product. Desalination and Water Treatment, 2009, 7, 152-159.	1.0	7
160	Pulsed Electrokinetic Decontamination of Agricultural Lands around Abandoned Mines Contaminated with Heavy Metals. Separation Science and Technology, 2009, 44, 2421-2436.	2.5	43
161	Extraction behavior of As, Pb, and Zn from mine tailings with acid and base solutions. Journal of Hazardous Materials, 2009, 171, 443-451.	12.4	90
162	Electrokinetic remediation of fluorine-contaminated soil: Conditioning of anolyte. Journal of Hazardous Materials, 2009, 161, 565-569.	12.4	78

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163	Electrolyte conditioning-enhanced electrokinetic remediation of arsenic-contaminated mine tailing. Journal of Hazardous Materials, 2009, 161, 457-462.	12.4	102
164	Influence of cationic surfactant on adsorption of Cr(VI) onto activated carbon. Journal of Hazardous Materials, 2009, 161, 1565-1568.	12.4	44
165	Adsorption characteristics of As(V) on iron-coated zeolite. Journal of Hazardous Materials, 2009, 163, 804-808.	12.4	160
166	Electrokinetic remediation of Zn and Ni-contaminated soil. Journal of Hazardous Materials, 2009, 165, 501-505.	12.4	91
167	Adsorption of Cr(VI) onto cationic surfactant-modified activated carbon. Journal of Hazardous Materials, 2009, 166, 642-646.	12.4	109
168	Electrokinetic remediation of contaminated soil with waste-lubricant oils and zinc. Journal of Hazardous Materials, 2009, 169, 1168-1172.	12.4	68
169	Adsorption characteristics of metal ions by CO2-fixing Chlorella sp. HA-1. Journal of Industrial and Engineering Chemistry, 2009, 15, 354-358.	5.8	21
170	Adsorption of chlorinated solvents in nonionic surfactant solutions with activated carbon in a fixed bed. Journal of Industrial and Engineering Chemistry, 2009, 15, 777-779.	5.8	16
171	Restoration of Saline Soil in Cultivated Land Using Electrokinetic Process. Separation Science and Technology, 2009, 44, 2371-2384.	2.5	48
172	Removal characteristics of metal cations and their mixtures using micellar-enhanced ultrafiltration. Korean Journal of Chemical Engineering, 2008, 25, 253-258.	2.7	26
173	Removal of arsenate, chromate and ferricyanide by cationic surfactant modified powdered activated carbon. Desalination, 2008, 223, 221-228.	8.2	41
174	Effect of surfactant on reductive dechlorination of trichloroethylene by zero-valent iron. Desalination, 2008, 223, 299-307.	8.2	62
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