Jung-Seok Yang

List of Publications by Citations

89 papers	2,377 citations	29 h-index	45 g-index
90 ext. papers	2,587 ext. citations	6.3 avg, IF	4.87 L-index

#	Paper	IF	Citations
89	Defluoridation from aqueous solutions by granular ferric hydroxide (GFH). *Water Research*, **2009**, 43, 490-8	12.5	233
88	Removal of arsenic from groundwater by micellar-enhanced ultrafiltration (MEUF). *Chemosphere*, **2007**, 66, 970-6	8.4	114
87	Adsorption of Cr(VI) onto cationic surfactant-modified activated carbon. *Journal of Hazardous Materials*, **2009**, 166, 642-6	12.8	94
86	Comparison of the microbiological and chemical characterization of harvested rainwater and reservoir water as alternative water resources. *Science of the Total Environment*, **2010**, 408, 896-905	10.2	90
85	Electrolyte conditioning-enhanced electrokinetic remediation of arsenic-contaminated mine tailing. *Journal of Hazardous Materials*, **2009**, 161, 457-62	12.8	86
84	Extraction behavior of As, Pb, and Zn from mine tailings with acid and base solutions. *Journal of Hazardous Materials*, **2009**, 171, 443-51	12.8	77
83	Assessment of metals contamination of soils in Ulaanbaatar, Mongolia. *Journal of Hazardous Materials*, **2010**, 184, 872-876	12.8	74
82	Extraction characteristics of heavy metals from marine sediments. *Chemical Engineering Journal*, **2013**, 228, 688-699	14.7	72
81	Electrokinetic remediation of fluorine-contaminated soil: conditioning of anolyte. *Journal of Hazardous Materials*, **2009**, 161, 565-9	12.8	67
80	The transport behavior of As, Cu, Pb, and Zn during electrokinetic remediation of a contaminated soil using electrolyte conditioning. *Chemosphere*, **2014**, 117, 79-86	8.4	65
79	Electrokinetic remediation of contaminated soil with waste-lubricant oils and zinc. *Journal of Hazardous Materials*, **2009**, 169, 1168-72	12.8	61
78	Simultaneous removal of organic and inorganic contaminants by micellar enhanced ultrafiltration with mixed surfactant. *Desalination*, **2005**, 184, 395-407	10.3	59
77	Biosorption of heavy metals and uranium by starfish and Pseudomonas putida. *Journal of Hazardous Materials*, **2009**, 161, 157-62	12.8	56
76	Selective Recovery of Dissolved Metals from Mine Drainage Using Electrochemical Reactions. *Electrochimica Acta*, **2015**, 181, 248-254	6.7	49
75	Pulsed electrokinetic removal of Cd and Zn from fine-grained soil. *Journal of Applied Electrochemistry*, **2010**, 40, 1039-1047	2.6	49
74	Effects of radiation and temperature on iodide sorption by surfactant-modified bentonite. *Environmental Science & Technology*, **2014**, 48, 9684-91	10.3	46
73	Preparation and Evaluation of Fe-Al Binary Oxide for Arsenic Removal: Comparative Study with Single Metal Oxides. *Separation Science and Technology*, **2010**, 45, 1975-1981	2.5	40

72	Pulsed Electrokinetic Decontamination of Agricultural Lands around Abandoned Mines Contaminated with Heavy Metals. *Separation Science and Technology*, **2009**, 44, 2421-2436	2.5	40
71	Hexagonal two dimensional electrokinetic systems for restoration of saline agricultural lands: A pilot study. *Chemical Engineering Journal*, **2012**, 198-199, 110-121	14.7	38
70	Influence of cationic surfactant on adsorption of Cr(VI) onto activated carbon. *Journal of Hazardous Materials*, **2009**, 161, 1565-8	12.8	38
69	Electrokinetic Removal of Petroleum Hydrocarbon from Residual Clayey Soil Following a Washing Process. *Clean - Soil, Air, Water*, **2010**, 38, 189-193	1.6	37
68	Feasibility of micellar-enhanced ultrafiltration (MEUF) or the heavy metal removal in soil washing effluent. *Desalination*, **2008**, 222, 202-211	10.3	36
67	Adsorption of As(III) and As(V) in groundwater by Fe–Mn binary oxide-impregnated granular activated carbon (IMIGAC). *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 72, 62-69	5.3	35
66	Pulse-enhanced electrokinetic restoration of sulfate-containing saline greenhouse soil. *Electrochimica Acta*, **2012**, 86, 57-62	6.7	35
65	Analysis of arsenic in rice grains using ICP-MS and fs LA-ICP-MS. *Journal of Analytical Atomic Spectrometry*, **2014**, 29, 1233-1237	3.7	33
64	Crossflow ultrafiltration of surfactant solutions. *Desalination*, **2005**, 184, 385-394	10.3	33
63	Geochemical characteristics and microbial community composition in toxic metal-rich sediments contaminated with Au-Ag mine tailings. *Journal of Hazardous Materials*, **2015**, 296, 147-157	12.8	31
62	Electrokinetic removal of chloride and sodium from tidelands. *Journal of Applied Electrochemistry*, **2010**, 40, 1139-1144	2.6	31
61	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	29
60	Removal of perchlorate from groundwater by the polyelectolyte-enhanced ultrafiltration process. *Desalination*, **2007**, 204, 335-343	10.3	29
59	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, 3013-22	5.1	28
58	Water quality changes in acid mine drainage streams in Gangneung, Korea, 10 years after treatment with limestone. *Journal of Geochemical Exploration*, **2015**, 159, 234-242	3.8	27
57	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, 10878-89	5.1	24
56	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	23
55	Identifying the source of Zn in soils around a Zn smelter using Pb isotope ratios and mineralogical analysis. *Science of the Total Environment*, **2017**, 601-602, 66-72	10.2	22

54	Remediation of groundwater contaminated with DNAPLs by biodegradable oil emulsion. *Journal of Hazardous Materials*, **2007**, 140, 340-5	12.8	22
53	Extraction mechanism of lead from shooting range soil by ferric salts. *Chemical Engineering Research and Design*, **2016**, 103, 174-182	5.5	22
52	Adsorption of Arsenic from Aqueous Solutions by Iron Oxide Coated Sand Fabricated with Acid Mine Drainage. *Separation Science and Technology*, **2015**, 50, 267-275	2.5	21
51	Cationic starch-enhanced ultrafiltration for Cr(VI) removal. *Desalination*, **2007**, 206, 245-250	10.3	21
50	Enhanced-electrokinetic extraction of heavy metals from dredged harbor sediment. *Environmental Science and Pollution Research*, **2015**, 22, 9912-21	5.1	19
49	Selective recovery of Cu, Zn, and Ni from acid mine drainage. *Environmental Geochemistry and Health*, **2013**, 35, 735-43	4.7	17
48	Heavy Metal Determination by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and Direct Mercury Analysis (DMA) and Arsenic Mapping by Femtosecond (fs) Laser Ablation (LA) ICP-MS in Cereals. *Analytical Letters*, **2019**, 52, 496-510	2.2	16
47	Application of iron-coated zeolites (ICZ) for mine drainage treatment. *Korean Journal of Chemical Engineering*, **2012**, 29, 1171-1177	2.8	16
46	Relationship between land use and water quality in a small watershed in South Korea. *Water Science and Technology*, **2010**, 62, 2607-15	2.2	16
45	Arsenic Removal Behavior by Fe-Al Binary Oxide: Thermodynamic and Kinetic Study. *Separation Science and Technology*, **2011**, 46, 2531-2538	2.5	16
44	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	16
43	Environmental assessment on electrokinetic remediation of multimetal-contaminated site: a case study. *Environmental Science and Pollution Research*, **2014**, 21, 6751-8	5.1	15
42	Electrokinetic Restoration of Sulfate-Accumulated Saline Greenhouse Soil. *Clean - Soil, Air, Water*, **2011**, 39, 1036-1040	1.6	15
41	Electrokinetic Separation of Heavy Metals from Wastewater Treatment Sludge. *Separation Science and Technology*, **2010**, 45, 1982-1987	2.5	14
40	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	6.3	14
39	Simultaneous removal of chlorinated contaminants by pervaporation for the reuse of a surfactant. *Desalination*, **2007**, 205, 87-96	10.3	13
38	Transformation of zinc-concentrate in surface and subsurface environments: Implications for assessing zinc mobility/toxicity and choosing an optimal remediation strategy. *Environmental Pollution*, **2017**, 226, 346-355	9.3	12
37	Reductive capacity measurement of waste forms for secondary radioactive wastes. *Journal of Nuclear Materials*, **2015**, 467, 251-259	3.3	10

36	Acid Extraction Overestimates the Total Fe(II) in the Presence of Iron (Hydr)oxide and Sulfide Minerals. *Environmental Science and Technology Letters*, **2014**, 1, 310-314	11	10
35	Competitive immobilization of multiple component chlorinated solvents by cyclodextrin derivatives. *Journal of Hazardous Materials*, **2006**, 137, 1866-9	12.8	10
34	Bench-scale electrokinetic remediation for cesium-contaminated sediment at the Hanford Site, USA. *Journal of Radioanalytical and Nuclear Chemistry*, **2015**, 304, 615-625	1.5	9
33	Enhanced Electrokinetic Transport of Sulfate in Saline Soil. *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	9
32	Enhanced irreversible fixation of cesium by wetting and drying cycles in soil. *Environmental Geochemistry and Health*, **2019**, 41, 149-157	4.7	9
31	Step-Wise Extraction of Metals from Dredged Marine Sediments. *Separation Science and Technology* , **2015**, 50, 536-544	2.5	8
30	Alkaline Enhanced-Separation of Waste Lubricant Oils from Railway Contaminated Soil. *Separation Science and Technology*, **2010**, 45, 1988-1993	2.5	8
29	Electrode Configuration for Electrokinetic Restoration of Greenhouse Saline Soil. *Separation Science and Technology*, **2012**, 47, 1677-1681	2.5	8
28	Extractive and oxidative removal of copper bound to humic acid in soil. *Environmental Science and Pollution Research*, **2015**, 22, 6077-85	5.1	7
27	Partitioning effects of nonionic surfactants on the solubilization of single or binary chlorinated solvents: Batch and column experiments. *Journal of Industrial and Engineering Chemistry*, **2018**, 58, 140-147	6.3	7
26	Silicone emulsion-enhanced recovery of chlorinated solvents: batch and column studies. *Journal of Hazardous Materials*, **2006**, 136, 610-7	12.8	7
25	Effects of Soil Micro-particles and Micro-pores on Petroleum Hydrocarbons Released From Contaminated Soils During Solvent Extraction with Ultrasound. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	7
24	Identification of refined petroleum products in contaminated soils using an identification index for GC chromatograms. *Environmental Science and Pollution Research*, **2015**, 22, 12029-34	5.1	6
23	Highly Enhanced Heavy Metal Adsorption Performance of Iron Oxide (Fe-Oxide) upon Incorporation of Aluminum. *Materials Transactions*, **2017**, 58, 71-75	1.3	6
22	Spatial distribution, mineralogy, and weathering of heavy metals in soils along zinc-concentrate ground transportation routes: implication for assessing heavy metal sources. *Environmental Earth Sciences*, **2017**, 76, 1	2.9	6
21	Influence of mixed-surfactant on reductive dechlorination of trichloroethylene by zero-valent iron. *Korean Journal of Chemical Engineering*, **2011**, 28, 1047-1053	2.8	6
20	Removal of As(V) from aqueous system using steel-making by-product. *Desalination and Water Treatment*, **2009**, 7, 152-159		6
19	Improvement in host metabolic homeostasis and alteration in gut microbiota in mice on the high-fat diet: A comparison of calcium supplements. *Food Research International*, **2020**, 136, 109495	7	5

18	Comparison of As, Ni, Zn, Cd, and Pb removals using treatment agents. *Environmental Technology (United Kingdom)*, **2012**, 33, 445-54	2.6	5
17	The Solubilization Characteristics of DNAPLs by Oil-Based Emulsion. *Separation Science and Technology*, **2005**, 40, 685-698	2.5	5
16	Continuous electrochemical removal of salts from Korean food wastes. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 64, 142-145	5.3	5
15	Stepwise Sequential Extraction of As-, Cu-, and Pb-Contaminated Paddy Soil. *Clean - Soil, Air, Water*, **2014**, 42, 1785-1789	1.6	4
14	Immobilization behavior of methyl tert-butyl ether by cyclodextrins. *Journal of Hazardous Materials*, **2003**, 105, 169-77	12.8	4
13	Silicon foliage spraying improves growth characteristics, morphological traits, and root quality of Panax ginseng C.A.Mey. *Industrial Crops and Products*, **2020**, 156, 112848	5.9	4
12	Soil Washing and Effluent Treatment for Contaminated Soil with Toxic Metals. *Korean Chemical Engineering Research*, **2013**, 51, 745-754		3
11	Nutrient recirculating soilless culture system as a predictable and stable way of microbial risk management. *Journal of Cleaner Production*, **2021**, 298, 126747	10.3	3
10	Comparison of Experimental and Simulated Adsorption of Binary Metal Ions using Sawdust Modified by Citric Acid. *Separation Science and Technology*, **2015**, 50, 276-285	2.5	2
9	Electrokinetic Removal of Nitrate and Fluoride141-148		2
8	Centrifugal Polyelectrolyte Enhanced Ultrafiltration for Removal of Copper-Citrate Complexes from Aqueous Solutions. *Separation Science and Technology*, **2006**, 41, 1583-1592	2.5	2
7	Revealing the Spatial Distribution of Inorganic Elements in Rice Grains. *Bulletin of the Korean Chemical Society*, **2014**, 35, 3289-3293	1.2	2
6	Evaluation of Electrolyte and Electrode Spacing for Application of Electrokinetic Remediation. *Journal of Soil and Groundwater Environment*, **2013**, 18, 6-15		2
5	Electrokinetic Extraction of Metals from Marine Sediment. *Korean Chemical Engineering Research*, **2013**, 51, 733-738		2
4	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	2.8	1
3	Identifying Type of Refined Petroleum Products in Environmental Media: Thin-Layer Chromatography (TLC) as a Quick Methodology. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	
2	Speciation Analysis of 6 Arsenic Species in Sea Mustard Using IC-ICP-MS. *Journal of the Korean Chemical Society*, **2016**, 60, 452-456		
1	Modified approach for estimating geogenic Pb isotope ratios in soils for metal source apportionment. *Environmental Earth Sciences*, **2020**, 79, 1	2.9	