

Jung-Seok Yang

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.

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	Nutrient recirculating soilless culture system as a predictable and stable way of microbial risk management. <i>Journal of Cleaner Production</i> , 2021 , 298, 126747	10.3	3
88	Improvement in host metabolic homeostasis and alteration in gut microbiota in mice on the high-fat diet: A comparison of calcium supplements. <i>Food Research International</i> , 2020 , 136, 109495	7	5
87	Silicon foliage spraying improves growth characteristics, morphological traits, and root quality of Panax ginseng C.A.Mey. <i>Industrial Crops and Products</i> , 2020 , 156, 112848	5.9	4
86	Modified approach for estimating geogenic Pb isotope ratios in soils for metal source apportionment. <i>Environmental Earth Sciences</i> , 2020 , 79, 1	2.9	
85	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. <i>Analytical Letters</i> , 2019 , 52, 496-510	2.2	16
84	Enhanced irreversible fixation of cesium by wetting and drying cycles in soil. <i>Environmental Geochemistry and Health</i> , 2019 , 41, 149-157	4.7	9
83	Partitioning effects of nonionic surfactants on the solubilization of single or binary chlorinated solvents: Batch and column experiments. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 58, 140-147	6.3	7
82	Adsorption of As(III) and As(V) in groundwater by Fe/Mn binary oxide-impregnated granular activated carbon (IMIGAC). <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 72, 62-69	5.3	35
81	Transformation of zinc-concentrate in surface and subsurface environments: Implications for assessing zinc mobility/toxicity and choosing an optimal remediation strategy. <i>Environmental Pollution</i> , 2017 , 226, 346-355	9.3	12
80	Identifying the source of Zn in soils around a Zn smelter using Pb isotope ratios and mineralogical analysis. <i>Science of the Total Environment</i> , 2017 , 601-602, 66-72	10.2	22
79	Highly Enhanced Heavy Metal Adsorption Performance of Iron Oxide (Fe-Oxide) upon Incorporation of Aluminum. <i>Materials Transactions</i> , 2017 , 58, 71-75	1.3	6
78	Spatial distribution, mineralogy, and weathering of heavy metals in soils along zinc-concentrate ground transportation routes: implication for assessing heavy metal sources. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	6
77	One-dimensional column and three-dimensional box flushing of silicone emulsion-enhanced remediation for chlorinated solvent contaminated soils. <i>Korean Journal of Chemical Engineering</i> , 2017 , 34, 741-746	2.8	1
76	Speciation Analysis of 6 Arsenic Species in Sea Mustard Using IC-ICP-MS. <i>Journal of the Korean Chemical Society</i> , 2016 , 60, 452-456		
75	Continuous electrochemical removal of salts from Korean food wastes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 64, 142-145	5.3	5
74	Effects of Soil Micro-particles and Micro-pores on Petroleum Hydrocarbons Released From Contaminated Soils During Solvent Extraction with Ultrasound. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	7
73	Extraction mechanism of lead from shooting range soil by ferric salts. <i>Chemical Engineering Research and Design</i> , 2016 , 103, 174-182	5.5	22

72	Comparison of Experimental and Simulated Adsorption of Binary Metal Ions using Sawdust Modified by Citric Acid. <i>Separation Science and Technology</i> , 2015 , 50, 276-285	2.5	2
71	Adsorption of Arsenic from Aqueous Solutions by Iron Oxide Coated Sand Fabricated with Acid Mine Drainage. <i>Separation Science and Technology</i> , 2015 , 50, 267-275	2.5	21
70	Step-Wise Extraction of Metals from Dredged Marine Sediments. <i>Separation Science and Technology</i> , 2015 , 50, 536-544	2.5	8
69	Bench-scale electrokinetic remediation for cesium-contaminated sediment at the Hanford Site, USA. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015 , 304, 615-625	1.5	9
68	Selective Recovery of Dissolved Metals from Mine Drainage Using Electrochemical Reactions. <i>Electrochimica Acta</i> , 2015 , 181, 248-254	6.7	49
67	Enhanced-electrokinetic extraction of heavy metals from dredged harbor sediment. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 9912-21	5.1	19
66	Identification of refined petroleum products in contaminated soils using an identification index for GC chromatograms. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 12029-34	5.1	6
65	Reductive capacity measurement of waste forms for secondary radioactive wastes. <i>Journal of Nuclear Materials</i> , 2015 , 467, 251-259	3.3	10
64	Enhanced Electrokinetic Transport of Sulfate in Saline Soil. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	9
63	Selective recovery of dissolved Fe, Al, Cu, and Zn in acid mine drainage based on modeling to predict precipitation pH. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 3013-22	5.1	28
62	Extractive and oxidative removal of copper bound to humic acid in soil. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 6077-85	5.1	7
61	Geochemical characteristics and microbial community composition in toxic metal-rich sediments contaminated with Au-Ag mine tailings. <i>Journal of Hazardous Materials</i> , 2015 , 296, 147-157	12.8	31
60	Water quality changes in acid mine drainage streams in Gangneung, Korea, 10 years after treatment with limestone. <i>Journal of Geochemical Exploration</i> , 2015 , 159, 234-242	3.8	27
59	Analysis of arsenic in rice grains using ICP-MS and fs LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 1233-1237	3.7	33
58	Environmental assessment on electrokinetic remediation of multimetal-contaminated site: a case study. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 6751-8	5.1	15
57	Effects of radiation and temperature on iodide sorption by surfactant-modified bentonite. <i>Environmental Science & Technology</i> , 2014 , 48, 9684-91	10.3	46
56	The transport behavior of As, Cu, Pb, and Zn during electrokinetic remediation of a contaminated soil using electrolyte conditioning. <i>Chemosphere</i> , 2014 , 117, 79-86	8.4	65
55	Removal of As(III) and As(V) using iron-rich sludge produced from coal mine drainage treatment plant. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 10878-89	5.1	24

54	Acid Extraction Overestimates the Total Fe(II) in the Presence of Iron (Hydr)oxide and Sulfide Minerals. <i>Environmental Science and Technology Letters</i> , 2014 , 1, 310-314	11	10
53	Stepwise Sequential Extraction of As-, Cu-, and Pb-Contaminated Paddy Soil. <i>Clean - Soil, Air, Water</i> , 2014 , 42, 1785-1789	1.6	4
52	Identifying Type of Refined Petroleum Products in Environmental Media: Thin-Layer Chromatography (TLC) as a Quick Methodology. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	
51	Revealing the Spatial Distribution of Inorganic Elements in Rice Grains. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 3289-3293	1.2	2
50	Extraction characteristics of heavy metals from marine sediments. <i>Chemical Engineering Journal</i> , 2013 , 228, 688-699	14.7	72
49	Selective recovery of Cu, Zn, and Ni from acid mine drainage. <i>Environmental Geochemistry and Health</i> , 2013 , 35, 735-43	4.7	17
48	Evaluation of Electrolyte and Electrode Spacing for Application of Electrokinetic Remediation. <i>Journal of Soil and Groundwater Environment</i> , 2013 , 18, 6-15		2
47	Electrokinetic Extraction of Metals from Marine Sediment. <i>Korean Chemical Engineering Research</i> , 2013 , 51, 733-738		2
46	Soil Washing and Effluent Treatment for Contaminated Soil with Toxic Metals. <i>Korean Chemical Engineering Research</i> , 2013 , 51, 745-754		3
45	Comparison of As, Ni, Zn, Cd, and Pb removals using treatment agents. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 445-54	2.6	5
44	Hexagonal two dimensional electrokinetic systems for restoration of saline agricultural lands: A pilot study. <i>Chemical Engineering Journal</i> , 2012 , 198-199, 110-121	14.7	38
43	Pulse-enhanced electrokinetic restoration of sulfate-containing saline greenhouse soil. <i>Electrochimica Acta</i> , 2012 , 86, 57-62	6.7	35
42	Application of iron-coated zeolites (ICZ) for mine drainage treatment. <i>Korean Journal of Chemical Engineering</i> , 2012 , 29, 1171-1177	2.8	16
41	Electrode Configuration for Electrokinetic Restoration of Greenhouse Saline Soil. <i>Separation Science and Technology</i> , 2012 , 47, 1677-1681	2.5	8
40	Influence of mixed-surfactant on reductive dechlorination of trichloroethylene by zero-valent iron. <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 1047-1053	2.8	6
39	Electrokinetic Restoration of Sulfate-Accumulated Saline Greenhouse Soil. <i>Clean - Soil, Air, Water</i> , 2011 , 39, 1036-1040	1.6	15
38	Arsenic Removal Behavior by Fe-Al Binary Oxide: Thermodynamic and Kinetic Study. <i>Separation Science and Technology</i> , 2011 , 46, 2531-2538	2.5	16
37	Removal Characteristics of Cd(II), Cu(II), Pb(II), and Zn(II) by Natural Mongolian Zeolite through Batch and Column Experiments. <i>Separation Science and Technology</i> , 2011 , 46, 1313-1320	2.5	16

36	Adsorption of As(III), As(V), Cd(II), Cu(II), and Pb(II) from Aqueous Solutions by Natural Muscovite. <i>Separation Science and Technology</i> , 2010 , 45, 814-823	2.5	29
35	Electrokinetic Separation of Heavy Metals from Wastewater Treatment Sludge. <i>Separation Science and Technology</i> , 2010 , 45, 1982-1987	2.5	14
34	Removal of Metal Ions From Aqueous Solutions Using Sawdust Modified with Citric Acid or Tartaric Acid. <i>Separation Science and Technology</i> , 2010 , 45, 1963-1974	2.5	23
33	Relationship between land use and water quality in a small watershed in South Korea. <i>Water Science and Technology</i> , 2010 , 62, 2607-15	2.2	16
32	Preparation and Evaluation of Fe-Al Binary Oxide for Arsenic Removal: Comparative Study with Single Metal Oxides. <i>Separation Science and Technology</i> , 2010 , 45, 1975-1981	2.5	40
31	Alkaline Enhanced-Separation of Waste Lubricant Oils from Railway Contaminated Soil. <i>Separation Science and Technology</i> , 2010 , 45, 1988-1993	2.5	8
30	Pulsed electrokinetic removal of Cd and Zn from fine-grained soil. <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 1039-1047	2.6	49
29	Electrokinetic removal of chloride and sodium from tidelands. <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 1139-1144	2.6	31
28	Comparison of the microbiological and chemical characterization of harvested rainwater and reservoir water as alternative water resources. <i>Science of the Total Environment</i> , 2010 , 408, 896-905	10.2	90
27	Electrokinetic Removal of Petroleum Hydrocarbon from Residual Clayey Soil Following a Washing Process. <i>Clean - Soil, Air, Water</i> , 2010 , 38, 189-193	1.6	37
26	Assessment of metals contamination of soils in Ulaanbaatar, Mongolia. <i>Journal of Hazardous Materials</i> , 2010 , 184, 872-876	12.8	74
25	Removal of As(V) from aqueous system using steel-making by-product. <i>Desalination and Water Treatment</i> , 2009 , 7, 152-159		6
24	Pulsed Electrokinetic Decontamination of Agricultural Lands around Abandoned Mines Contaminated with Heavy Metals. <i>Separation Science and Technology</i> , 2009 , 44, 2421-2436	2.5	40
23	Extraction behavior of As, Pb, and Zn from mine tailings with acid and base solutions. <i>Journal of Hazardous Materials</i> , 2009 , 171, 443-51	12.8	77
22	Electrokinetic remediation of fluorine-contaminated soil: conditioning of anolyte. <i>Journal of Hazardous Materials</i> , 2009 , 161, 565-9	12.8	67
21	Electrolyte conditioning-enhanced electrokinetic remediation of arsenic-contaminated mine tailing. <i>Journal of Hazardous Materials</i> , 2009 , 161, 457-62	12.8	86
20	Influence of cationic surfactant on adsorption of Cr(VI) onto activated carbon. <i>Journal of Hazardous Materials</i> , 2009 , 161, 1565-8	12.8	38
19	Adsorption of Cr(VI) onto cationic surfactant-modified activated carbon. <i>Journal of Hazardous Materials</i> , 2009 , 166, 642-6	12.8	94

18	Electrokinetic remediation of contaminated soil with waste-lubricant oils and zinc. <i>Journal of Hazardous Materials</i> , 2009 , 169, 1168-72	12.8	61
17	Adsorption of chlorinated solvents in nonionic surfactant solutions with activated carbon in a fixed bed. <i>Journal of Industrial and Engineering Chemistry</i> , 2009 , 15, 777-779	6.3	14
16	Defluoridation from aqueous solutions by granular ferric hydroxide (GFH). <i>Water Research</i> , 2009 , 43, 490-8	12.5	233
15	Biosorption of heavy metals and uranium by starfish and <i>Pseudomonas putida</i> . <i>Journal of Hazardous Materials</i> , 2009 , 161, 157-62	12.8	56
14	Feasibility of micellar-enhanced ultrafiltration (MEUF) or the heavy metal removal in soil washing effluent. <i>Desalination</i> , 2008 , 222, 202-211	10.3	36
13	Removal of perchlorate from groundwater by the polyelectrolyte-enhanced ultrafiltration process. <i>Desalination</i> , 2007 , 204, 335-343	10.3	29
12	Cationic starch-enhanced ultrafiltration for Cr(VI) removal. <i>Desalination</i> , 2007 , 206, 245-250	10.3	21
11	Simultaneous removal of chlorinated contaminants by pervaporation for the reuse of a surfactant. <i>Desalination</i> , 2007 , 205, 87-96	10.3	13
10	Remediation of groundwater contaminated with DNAPLs by biodegradable oil emulsion. <i>Journal of Hazardous Materials</i> , 2007 , 140, 340-5	12.8	22
9	Removal of arsenic from groundwater by micellar-enhanced ultrafiltration (MEUF). <i>Chemosphere</i> , 2007 , 66, 970-6	8.4	114
8	Centrifugal Polyelectrolyte Enhanced Ultrafiltration for Removal of Copper-Citrate Complexes from Aqueous Solutions. <i>Separation Science and Technology</i> , 2006 , 41, 1583-1592	2.5	2
7	Silicone emulsion-enhanced recovery of chlorinated solvents: batch and column studies. <i>Journal of Hazardous Materials</i> , 2006 , 136, 610-7	12.8	7
6	Competitive immobilization of multiple component chlorinated solvents by cyclodextrin derivatives. <i>Journal of Hazardous Materials</i> , 2006 , 137, 1866-9	12.8	10
5	The Solubilization Characteristics of DNAPLs by Oil-Based Emulsion. <i>Separation Science and Technology</i> , 2005 , 40, 685-698	2.5	5
4	Simultaneous removal of organic and inorganic contaminants by micellar enhanced ultrafiltration with mixed surfactant. <i>Desalination</i> , 2005 , 184, 395-407	10.3	59
3	Crossflow ultrafiltration of surfactant solutions. <i>Desalination</i> , 2005 , 184, 385-394	10.3	33
2	Immobilization behavior of methyl tert-butyl ether by cyclodextrins. <i>Journal of Hazardous Materials</i> , 2003 , 105, 169-77	12.8	4
1	Electrokinetic Removal of Nitrate and Fluoride 141-148		2

