

# Jung-Seok Yang

## List of Publications by Year in descending order

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90  
papers

2,829  
citations

147801

31  
h-index

189892

50  
g-index

91  
all docs

91  
docs citations

91  
times ranked

3136  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defluoridation from aqueous solutions by granular ferric hydroxide (GFH). <i>Water Research</i> , 2009, 43, 490-498.	11.3	259
2	Removal of arsenic from groundwater by micellar-enhanced ultrafiltration (MEUF). <i>Chemosphere</i> , 2007, 66, 970-976.	8.2	129
3	Adsorption of Cr(VI) onto cationic surfactant-modified activated carbon. <i>Journal of Hazardous Materials</i> , 2009, 166, 642-646.	12.4	109
4	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.	8.0	104
5	Electrolyte conditioning-enhanced electrokinetic remediation of arsenic-contaminated mine tailing. <i>Journal of Hazardous Materials</i> , 2009, 161, 457-462.	12.4	102
6	Extraction behavior of As, Pb, and Zn from mine tailings with acid and base solutions. <i>Journal of Hazardous Materials</i> , 2009, 171, 443-451.	12.4	90
7	Extraction characteristics of heavy metals from marine sediments. <i>Chemical Engineering Journal</i> , 2013, 228, 688-699.	12.7	88
8	Assessment of metals contamination of soils in Ulaanbaatar, Mongolia. <i>Journal of Hazardous Materials</i> , 2010, 184, 872-876.	12.4	83
9	Electrokinetic remediation of fluorine-contaminated soil: Conditioning of anolyte. <i>Journal of Hazardous Materials</i> , 2009, 161, 565-569.	12.4	78
10	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.	8.2	77
11	Electrokinetic remediation of contaminated soil with waste-lubricant oils and zinc. <i>Journal of Hazardous Materials</i> , 2009, 169, 1168-1172.	12.4	68
12	Simultaneous removal of organic and inorganic contaminants by micellar enhanced ultrafiltration with mixed surfactant. <i>Desalination</i> , 2005, 184, 395-407.	8.2	66
13	Biosorption of heavy metals and uranium by starfish and <i>Pseudomonas putida</i> . <i>Journal of Hazardous Materials</i> , 2009, 161, 157-162.	12.4	65
14	Selective Recovery of Dissolved Metals from Mine Drainage Using Electrochemical Reactions. <i>Electrochimica Acta</i> , 2015, 181, 248-254.	5.2	58
15	Pulsed electrokinetic removal of Cd and Zn from fine-grained soil. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1039-1047.	2.9	57
16	Effects of Radiation and Temperature on Iodide Sorption by Surfactant-Modified Bentonite. <i>Environmental Science &amp; Technology</i> , 2014, 48, 9684-9691.	10.0	57
17	Hexagonal two dimensional electrokinetic systems for restoration of saline agricultural lands: A pilot study. <i>Chemical Engineering Journal</i> , 2012, 198-199, 110-121.	12.7	52
18	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	48

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19	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	46
20	Influence of cationic surfactant on adsorption of Cr(VI) onto activated carbon. <i>Journal of Hazardous Materials</i> , 2009, 161, 1565-1568.	12.4	44
21	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.	12.4	44
22	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	43
23	Pulse-enhanced electrokinetic restoration of sulfate-containing saline greenhouse soil. <i>Electrochimica Acta</i> , 2012, 86, 57-62.	5.2	41
24	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, 3013-3022.	5.3	41
25	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.	3.0	40
26	Feasibility of micellar-enhanced ultrafiltration (MEUF) for the heavy metal removal in soil washing effluent. <i>Desalination</i> , 2008, 222, 202-211.	8.2	39
27	Electrokinetic Removal of Petroleum Hydrocarbon from Residual Clayey Soil Following a Washing Process. <i>Clean - Soil, Air, Water</i> , 2010, 38, 189-193.	1.1	39
28	Electrokinetic removal of chloride and sodium from tidelands. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1139-1144.	2.9	38
29	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.	3.2	37
30	Crossflow ultrafiltration of surfactant solutions. <i>Desalination</i> , 2005, 184, 385-394.	8.2	36
31	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	33
32	Removal of perchlorate from groundwater by the polyelectrolyte-enhanced ultrafiltration process. <i>Desalination</i> , 2007, 204, 335-343.	8.2	31
33	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.	8.0	31
34	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.	1.8	31
35	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, 10878-10889.	5.3	28
36	Selective recovery of Cu, Zn, and Ni from acid mine drainage. <i>Environmental Geochemistry and Health</i> , 2013, 35, 735-743.	3.4	26

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37	Extraction mechanism of lead from shooting range soil by ferric salts. <i>Chemical Engineering Research and Design</i> , 2016, 103, 174-182.	5.6	26
38	Remediation of groundwater contaminated with DNAPLs by biodegradable oil emulsion. <i>Journal of Hazardous Materials</i> , 2007, 140, 340-345.	12.4	25
39	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	25
40	Cationic starch-enhanced ultrafiltration for Cr(VI) removal. <i>Desalination</i> , 2007, 206, 245-250.	8.2	24
41	Arsenic Removal Behavior by Fe-Al Binary Oxide: Thermodynamic and Kinetic Study. <i>Separation Science and Technology</i> , 2011, 46, 2531-2538.	2.5	22
42	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	22
43	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.	7.5	22
44	Enhanced-electrokinetic extraction of heavy metals from dredged harbor sediment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 9912-9921.	5.3	21
45	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	20
46	Environmental assessment on electrokinetic remediation of multimetal-contaminated site: a case study. <i>Environmental Science and Pollution Research</i> , 2014, 21, 6751-6758.	5.3	20
47	Relationship between land use and water quality in a small watershed in South Korea. <i>Water Science and Technology</i> , 2010, 62, 2607-2615.	2.5	19
48	Electrokinetic Separation of Heavy Metals from Wastewater Treatment Sludge. <i>Separation Science and Technology</i> , 2010, 45, 1982-1987.	2.5	18
49	Electrokinetic Restoration of Sulfate Accumulated Saline Greenhouse Soil. <i>Clean - Soil, Air, Water</i> , 2011, 39, 1036-1040.	1.1	17
50	Application of iron-coated zeolites (ICZ) for mine drainage treatment. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 1171-1177.	2.7	17
51	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.	5.8	16
52	Simultaneous removal of chlorinated contaminants by pervaporation for the reuse of a surfactant. <i>Desalination</i> , 2007, 205, 87-96.	8.2	13
53	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	13
54	Reductive capacity measurement of waste forms for secondary radioactive wastes. <i>Journal of Nuclear Materials</i> , 2015, 467, 251-259.	2.7	12

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55	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.	5.8	12
56	Competitive immobilization of multiple component chlorinated solvents by cyclodextrin derivatives. <i>Journal of Hazardous Materials</i> , 2006, 137, 1866-1869.	12.4	11
57	Alkaline Enhanced-Separation of Waste Lubricant Oils from Railway Contaminated Soil. <i>Separation Science and Technology</i> , 2010, 45, 1988-1993.	2.5	11
58	Silicon foliage spraying improves growth characteristics, morphological traits, and root quality of <i>Panax ginseng</i> C.A.Mey. <i>Industrial Crops and Products</i> , 2020, 156, 112848.	5.2	11
59	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.	8.7	10
60	Enhanced Electrokinetic Transport of Sulfate in Saline Soil. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	10
61	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.	2.7	10
62	Enhanced irreversible fixation of cesium by wetting and drying cycles in soil. <i>Environmental Geochemistry and Health</i> , 2019, 41, 149-157.	3.4	10
63	Electrode Configuration for Electrokinetic Restoration of Greenhouse Saline Soil. <i>Separation Science and Technology</i> , 2012, 47, 1677-1681.	2.5	9
64	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.	2.4	9
65	Highly Enhanced Heavy Metal Adsorption Performance of Iron Oxide (Fe-Oxide) upon Incorporation of Aluminum. <i>Materials Transactions</i> , 2017, 58, 71-75.	1.2	9
66	Step-Wise Extraction of Metals from Dredged Marine Sediments. <i>Separation Science and Technology</i> , 2015, 50, 536-544.	2.5	8
67	Extractive and oxidative removal of copper bound to humic acid in soil. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6077-6085.	5.3	8
68	Silicone emulsion-enhanced recovery of chlorinated solvents: Batch and column studies. <i>Journal of Hazardous Materials</i> , 2006, 136, 610-617.	12.4	7
69	Removal of As(V) from aqueous system using steel-making by-product. <i>Desalination and Water Treatment</i> , 2009, 7, 152-159.	1.0	7
70	Identification of refined petroleum products in contaminated soils using an identification index for GC chromatograms. <i>Environmental Science and Pollution Research</i> , 2015, 22, 12029-12034.	5.3	7
71	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.	6.2	7
72	Influence of mixed-surfactant on reductive dechlorination of trichloroethylene by zero-valent iron. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1047-1053.	2.7	6

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73	Continuous electrochemical removal of salts from Korean food wastes. Journal of the Taiwan Institute of Chemical Engineers, 2016, 64, 142-145.	5.3	6
74	Nutrient recirculating soilless culture system as a predictable and stable way of microbial risk management. Journal of Cleaner Production, 2021, 298, 126747.	9.3	6
75	The Solubilization Characteristics of DNAPLs by Oil-Based Emulsion. Separation Science and Technology, 2005, 40, 685-698.	2.5	5
76	Comparison of As, Ni, Zn, Cd, and Pb removals using treatment agents. Environmental Technology (United Kingdom), 2012, 33, 445-454.	2.2	5
77	Stepwise Sequential Extraction of As, Cu, and Pb Contaminated Paddy Soil. Clean - Soil, Air, Water, 2014, 42, 1785-1789.	1.1	5
78	Immobilization behavior of methyl tert-butyl ether by cyclodextrins. Journal of Hazardous Materials, 2003, 105, 169-177.	12.4	4
79	Soil Washing and Effluent Treatment for Contaminated Soil with Toxic Metals. Korean Chemical Engineering Research, 2013, 51, 745-754.	0.2	4
80	Centrifugal Polyelectrolyte Enhanced Ultrafiltration for Removal of Copper Citrate Complexes from Aqueous Solutions. Separation Science and Technology, 2006, 41, 1583-1592.	2.5	3
81	Revealing the Spatial Distribution of Inorganic Elements in Rice Grains. Bulletin of the Korean Chemical Society, 2014, 35, 3289-3293.	1.9	3
82	Electrokinetic Removal of Nitrate and Fluoride. , 0, , 141-148.		2
83	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
84	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
85	Evaluation of Electrolyte and Electrode Spacing for Application of Electrokinetic Remediation. Journal of Soil and Groundwater Environment, 2013, 18, 6-15.	0.1	2
86	Electrokinetic Extraction of Metals from Marine Sediment. Korean Chemical Engineering Research, 2013, 51, 733-738.	0.2	2
87	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.	2.4	1
88	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
89	Modified approach for estimating geogenic Pb isotope ratios in soils for metal source apportionment. Environmental Earth Sciences, 2020, 79, 1.	2.7	0
90	Speciation Analysis of 6 Arsenic Species in Sea Mustard Using IC-ICP-MS. Journal of the Korean Chemical Society, 2016, 60, 452-456.	0.2	0