

Eun Hea Jho

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,227
citations

394286

19
h-index

395590

33
g-index

67
all docs

67
docs citations

67
times ranked

1620
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytoremediation of contaminated soils by heavy metals and PAHs. A brief review. <i>Environmental Technology and Innovation</i> , 2017, 8, 309-326.	3.0	284
2	Effect of different soil washing solutions on bioavailability of residual arsenic in soils and soil properties. <i>Chemosphere</i> , 2015, 138, 253-258.	4.2	80
3	Heavy metal and sulfate removal from sulfate-rich synthetic mine drainages using sulfate reducing bacteria. <i>Science of the Total Environment</i> , 2018, 635, 1308-1316.	3.9	71
4	Lithium sorption properties of HMnO in seawater and wastewater. <i>Water Research</i> , 2015, 87, 320-327.	5.3	68
5	Changes in soil toxicity by phosphate-aided soil washing: Effect of soil characteristics, chemical forms of arsenic, and cations in washing solutions. <i>Chemosphere</i> , 2015, 119, 1399-1405.	4.2	47
6	Prediction of Cd and Pb toxicity to <i>Vibrio fischeri</i> using biotic ligand-based models in soil. <i>Journal of Hazardous Materials</i> , 2012, 203-204, 69-76.	6.5	44
7	Extended biotic ligand model for prediction of mixture toxicity of Cd and Pb using single metal toxicity data. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1697-1703.	2.2	42
8	Effect of C/N ratio on polyhydroxyalkanoates (PHA) accumulation by <i>Cupriavidus necator</i> and its implication on the use of rice straw hydrolysates. <i>Environmental Engineering Research</i> , 2015, 20, 246-253.	1.5	33
9	Fenton degradation of tetrachloroethene and hexachloroethane in Fe(II) catalyzed systems. <i>Journal of Hazardous Materials</i> , 2010, 184, 234-240.	6.5	30
10	Photodegradation of tetracycline and sulfathiazole individually and in mixtures. <i>Food and Chemical Toxicology</i> , 2018, 116, 108-113.	1.8	29
11	Effect of dissolved humic acid on the Pb bioavailability in soil solution and its consequence on ecological risk. <i>Journal of Hazardous Materials</i> , 2015, 286, 236-241.	6.5	28
12	Restoring phosphorus from water to soil: Using calcined eggshells for P adsorption and subsequent application of the adsorbent as a P fertilizer. <i>Chemosphere</i> , 2022, 287, 132267.	4.2	28
13	Importance of chemical binding type between As and iron-oxide on bioaccessibility in soil: Test with synthesized two line ferrihydrite. <i>Journal of Hazardous Materials</i> , 2017, 330, 157-164.	6.5	27
14	Tetrachloroethylene and hexachloroethane degradation in Fe(III) and Fe(III)-citrate catalyzed Fenton systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1179-1186.	1.6	26
15	Increased 3HV Concentration in the Bacterial Production of 3-Hydroxybutyrate (3HB) and 3-Hydroxyvalerate (3HV) Copolymer with Acid-Digested Rice Straw Waste. <i>Journal of Polymers and the Environment</i> , 2016, 24, 98-103.	2.4	26
16	Prediction of landfarming period using degradation kinetics of petroleum hydrocarbons: test with artificially contaminated and field-aged soils and commercially available bacterial cultures. <i>Journal of Soils and Sediments</i> , 2014, 14, 138-145.	1.5	24
17	Interaction among soil physicochemical properties, bacterial community structure, and arsenic contamination: Clay-induced change in long-term arsenic contaminated soils. <i>Journal of Hazardous Materials</i> , 2019, 378, 120729.	6.5	23
18	New insight to the use of oyster shell for removing phosphorus from aqueous solutions and fertilizing rice growth. <i>Journal of Cleaner Production</i> , 2021, 328, 129536.	4.6	22

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19	Exploring reductive degradation of fluorinated pharmaceuticals using Al ₂ O ₃ -supported Pt-group metallic catalysts: Catalytic reactivity, reaction pathways, and toxicity assessment. <i>Water Research</i> , 2020, 185, 116242.	5.3	21
20	Optimization of Carbon Dioxide and Valeric Acid Utilization for Polyhydroxyalkanoates Synthesis by <i>Cupriavidus necator</i> . <i>Journal of Polymers and the Environment</i> , 2014, 22, 244-251.	2.4	18
21	Applicability of a submersible microbial fuel cell for Cr(VI) detection in water. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 613.	1.3	17
22	Effect of acid-digested rice straw waste feeding methods on the 3HV fraction of bacterial poly(3-hydroxybutyrate-co-3-hydroxyvalerate) production. <i>Process Biochemistry</i> , 2016, 51, 2119-2126.	1.8	17
23	Facilitated desorption and stabilization of sediment-bound Pb and Cd in the presence of birnessite and apatite. <i>Journal of Hazardous Materials</i> , 2011, 188, 206-211.	6.5	12
24	Optimization of hydrogen peroxide-to-hemoglobin ratio for biocatalytic mineralization of polycyclic aromatic hydrocarbons (PAHs)-contaminated soils. <i>Chemosphere</i> , 2017, 187, 206-211.	4.2	12
25	Removal of phosphorus from water using calcium-rich organic waste and its potential as a fertilizer for rice growth. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107367.	3.3	12
26	Effect of biogeochemical interactions on bioaccessibility of arsenic in soils of a former smelter site in Republic of Korea. <i>Environmental Geochemistry and Health</i> , 2016, 38, 1347-1354.	1.8	11
27	Effect of Calcium Organic Additives on the Self-Healing of Concrete Microcracks in the Presence of a New Isolate <i>Bacillus</i> sp. BY1. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, 04019227.	1.3	11
28	Sequential biowashing-biopile processes for remediation of crude oil contaminated soil in Kuwait. <i>Journal of Hazardous Materials</i> , 2019, 378, 120710.	6.5	11
29	Removal of TPH, UCM, PAHs, and Alk-PAHs in oil-contaminated soil by thermal desorption. <i>Applied Biological Chemistry</i> , 2020, 63, .	0.7	11
30	Role of hemoglobin in hemoglobin-based remediation of the crude oil-contaminated soil. <i>Science of the Total Environment</i> , 2018, 627, 1174-1181.	3.9	10
31	Effect of CO ₂ exposure on the mobility of heavy metals in submerged soils. <i>Applied Biological Chemistry</i> , 2018, 61, 617-623.	0.7	9
32	Effect of initial pH, operating temperature, and dissolved oxygen concentrations on performance of pyrite-fuel cells in the presence of <i>Acidithiobacillus ferrooxidans</i> . <i>Journal of Hazardous Materials</i> , 2018, 360, 512-519.	6.5	9
33	Adsorption Characteristics of Cd and Pb on Microplastic Films Generated in Agricultural Environment. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2021, 43, 32-42.	0.4	9
34	Effect of Fenton reagent shock and recovery periods on anaerobic microbial community structure and degradation of chlorinated aliphatics. <i>Biodegradation</i> , 2014, 25, 253-264.	1.5	8
35	Long-term leaching prediction of constituents in coal bottom ash used as a structural fill material. <i>Journal of Soils and Sediments</i> , 2017, 17, 2742-2751.	1.5	8
36	Utilization of waste bittern from saltern as a source for magnesium and an absorbent for carbon dioxide capture. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22980-22989.	2.7	8

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37	Current Research Trends on the Effects of Microplastics in Soil Environment Using Earthworms: Mini-Review. Daehan Hwan'gyeong Gonghag Hoeji, 2021, 43, 299-306.	0.4	7
38	Risk Assessment of Environmental Pollutants in Korea for Soil and Groundwater Remediation. Human and Ecological Risk Assessment (HERA), 2013, 19, 723-723.	1.7	6
39	Effect of soil conditions on natural attenuation of 2,4,6-trinitrotoluene (TNT) by UV photolysis in soils at an active firing range in South Korea. Journal of Soils and Sediments, 2015, 15, 1455-1462.	1.5	6
40	Changes in the aquatic ecotoxicological effects of Triton X-100 after UV photodegradation. Environmental Science and Pollution Research, 2021, 28, 11224-11232.	2.7	6
41	Hemoglobin-Catalyzed Oxidation for Remediation of Total Petroleum Hydrocarbons Contaminated Soil. Clean - Soil, Air, Water, 2016, 44, 654-656.	0.7	5
42	Ship-borne observations of sea fog and rain chemistry over the North and South Pacific Ocean. Journal of Atmospheric Chemistry, 2019, 76, 315-326.	1.4	5
43	Use of ecotoxicity assessment for determining reusability of treated marine sediment on terrestrial land. Journal of Soils and Sediments, 2020, 20, 2306-2315.	1.5	5
44	Effect of hemoglobin on the growth and Cd accumulation of pea plants (Pisum sativum L.). Applied Biological Chemistry, 2017, 60, 673-678.	0.7	4
45	Effect of Triton X-100 on the wheat and lettuce growth and contaminant absorption. Applied Biological Chemistry, 2021, 64, .	0.7	4
46	Fe(III)-doped activated biochar sorbents trigger mitochondrial dysfunction with oxidative stress on Daphnia magna. Chemosphere, 2022, 288, 132608.	4.2	4
47	From Mine Tailings to Electricity using Ecological Function: Evaluation of Increase in Current Density by Increasing the Oxidation Rate of Pyrite using Iron Oxidizing Bacteria. Ecology and Resilient Infrastructure, 2014, 1, 19-24.	0.3	3
48	Effect of Pyrite and Indigenous Bacteria on Electricity Generation Using Mine Tailings. Ecology and Resilient Infrastructure, 2015, 2, 93-98.	0.3	3
49	Degradation of Oxytetracycline by Persulfate Activation Using a Magnetic Separable Iron Oxide Catalyst Derived from Hand-Warmer Waste. Applied Sciences (Switzerland), 2021, 11, 10447.	1.3	3
50	Inhibition Effects of Free Ammonia (FA) on the Rates of Growth, Photosynthesis and Respiration of Chlorella vulgaris. KSCE Journal of Civil Engineering, 0, , 1.	0.9	3
51	The opposing effects of bacterial activity and gas production on anaerobic TCE degradation in soil columns. Chemosphere, 2007, 69, 1790-1797.	4.2	2
52	Different fate of Pb and Cu at varied peroxide concentrations during the modified Fenton reaction in soil and its effect on the degradation of 2,4-dinitrotoluene. Journal of Chemical Technology and Biotechnology, 2013, 88, 1481-1487.	1.6	2
53	Potassium Recovery from Potassium Solution and Seawater Using Different Adsorbents. Applied Sciences (Switzerland), 2021, 11, 8660.	1.3	2
54	Effect of Aging on the Chemical Forms and Phytotoxicity of Arsenic in Soil. Journal of Soil and Groundwater Environment, 2016, 21, 82-87.	0.1	2

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55	Determining the reuse of metal mine wastes based on leaching test and human health risk assessment. <i>Environmental Engineering Research</i> , 2019, 24, 82-90.	1.5	2
56	Degradation of hexachloroethane by Fenton's reagents. <i>Water Science and Technology</i> , 2008, 58, 2211-2214.	1.2	1
57	Field Applicability Study of Landfarming for Petroleum Hydrocarbons Contaminated Soils. <i>Journal of Soil and Groundwater Environment</i> , 2013, 18, 1-9.	0.1	1
58	Pyrolytic Remediation and Ecotoxicity Assessment of Fuel-Oil-Contaminated Soil. <i>Toxics</i> , 2022, 10, 245.	1.6	1
59	Photodegradation of Mixtures of Tetracycline, Sulfathiazole, and Triton X-100 in Water. <i>Korean Journal of Environmental Agriculture</i> , 2021, 40, 13-19.	0.0	0
60	Production of Poly(3-hydroxybutyrate) by <i>Cupriavidus necator</i> at Various Concentrations of Carbon Dioxide. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2013, 35, 109-114.	0.4	0
61	Effect of Basic Oxygen Furnace Slag used as Structural Filling Materials on the Subsurface Environment. <i>Journal of Soil and Groundwater Environment</i> , 2016, 21, 6-13.	0.1	0
62	Application of Galvanic Oxidation and Pyrite Dissolution for Sustainable In-Situ Mine Tailings Treatment. <i>Ecology and Resilient Infrastructure</i> , 2016, 3, 279-284.	0.3	0
63	Development of biological process for Kuwait crude oil contaminated soil. <i>International Oil Spill Conference Proceedings</i> , 2017, 2017, 1749-1769.	0.1	0
64	Assessing ecotoxicological effects of 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, and 2,3,4,7,8-PeCDF in soil using <i>Allivibrio fischeri</i> . <i>Applied Biological Chemistry</i> , 2019, 62, .	0.7	0
65	Assessment of Blood Meal Applicability for Removal of DDT from Agricultural Soil. <i>Korean Journal of Environmental Agriculture</i> , 2020, 39, 89-94.	0.0	0