

Eun Hea Jho

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,227
citations

394421

19
h-index

395702

33
g-index

67
all docs

67
docs citations

67
times ranked

1620
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	8.2	28
2	Fe(III)-doped activated biochar sorbents trigger mitochondrial dysfunction with oxidative stress on <i>Daphnia magna</i> . <i>Chemosphere</i> , 2022, 288, 132608.	8.2	4
3	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.	6.7	12
4	Pyrolytic Remediation and Ecotoxicity Assessment of Fuel-Oil-Contaminated Soil. <i>Toxics</i> , 2022, 10, 245.	3.7	1
5	Changes in the aquatic ecotoxicological effects of Triton X-100 after UV photodegradation. <i>Environmental Science and Pollution Research</i> , 2021, 28, 11224-11232.	5.3	6
6	Adsorption Characteristics of Cd and Pb on Microplastic Films Generated in Agricultural Environment. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2021, 43, 32-42.	1.1	9
7	Photodegradation of Mixtures of Tetracycline, Sulfathiazole, and Triton X-100 in Water. <i>Korean Journal of Environmental Agriculture</i> , 2021, 40, 13-19.	0.4	0
8	Current Research Trends on the Effects of Microplastics in Soil Environment Using Earthworms: Mini-Review. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2021, 43, 299-306.	1.1	7
9	Effect of Triton X-100 on the wheat and lettuce growth and contaminant absorption. <i>Applied Biological Chemistry</i> , 2021, 64, .	1.9	4
10	Potassium Recovery from Potassium Solution and Seawater Using Different Adsorbents. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8660.	2.5	2
11	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.	9.3	22
12	Degradation of Oxytetracycline by Persulfate Activation Using a Magnetic Separable Iron Oxide Catalyst Derived from Hand-Warmer Waste. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10447.	2.5	3
13	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.	11.3	21
14	Use of ecotoxicity assessment for determining reusability of treated marine sediment on terrestrial land. <i>Journal of Soils and Sediments</i> , 2020, 20, 2306-2315.	3.0	5
15	Removal of TPH, UCM, PAHs, and Alk-PAHs in oil-contaminated soil by thermal desorption. <i>Applied Biological Chemistry</i> , 2020, 63, .	1.9	11
16	Assessment of Blood Meal Applicability for Removal of DDT from Agricultural Soil. <i>Korean Journal of Environmental Agriculture</i> , 2020, 39, 89-94.	0.4	0
17	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.	2.9	11
18	Sequential biowashing-biopile processes for remediation of crude oil contaminated soil in Kuwait. <i>Journal of Hazardous Materials</i> , 2019, 378, 120710.	12.4	11

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19	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.	12.4	23
20	Ship-borne observations of sea fog and rain chemistry over the North and South Pacific Ocean. <i>Journal of Atmospheric Chemistry</i> , 2019, 76, 315-326.	3.2	5
21	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.	2.5	2
22	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, .	1.9	0
23	Photodegradation of tetracycline and sulfathiazole individually and in mixtures. <i>Food and Chemical Toxicology</i> , 2018, 116, 108-113.	3.6	29
24	Role of hemoglobin in hemoglobin-based remediation of the crude oil-contaminated soil. <i>Science of the Total Environment</i> , 2018, 627, 1174-1181.	8.0	10
25	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.	8.0	71
26	Effect of CO ₂ exposure on the mobility of heavy metals in submerged soils. <i>Applied Biological Chemistry</i> , 2018, 61, 617-623.	1.9	9
27	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.	12.4	9
28	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.	12.4	27
29	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.	3.0	8
30	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.	5.3	8
31	Optimization of hydrogen peroxide-to-hemoglobin ratio for biocatalytic mineralization of polycyclic aromatic hydrocarbons (PAHs)-contaminated soils. <i>Chemosphere</i> , 2017, 187, 206-211.	8.2	12
32	Phytoremediation of contaminated soils by heavy metals and PAHs. A brief review. <i>Environmental Technology and Innovation</i> , 2017, 8, 309-326.	6.1	284
33	Effect of hemoglobin on the growth and Cd accumulation of pea plants (<i>Pisum sativum</i> L.). <i>Applied Biological Chemistry</i> , 2017, 60, 673-678.	1.9	4
34	Development of biological process for Kuwait crude oil contaminated soil. <i>International Oil Spill Conference Proceedings</i> , 2017, 2017, 1749-1769.	0.1	0
35	Applicability of a submersible microbial fuel cell for Cr(VI) detection in water. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 613.	2.7	17
36	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.	3.7	17

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37	Hemoglobin-Catalyzed Oxidation for Remediation of Total Petroleum Hydrocarbons Contaminated Soil. <i>Clean - Soil, Air, Water</i> , 2016, 44, 654-656.	1.1	5
38	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.	3.4	11
39	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.	5.0	26
40	Effect of Aging on the Chemical Forms and Phytotoxicity of Arsenic in Soil. <i>Journal of Soil and Groundwater Environment</i> , 2016, 21, 82-87.	0.1	2
41	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
42	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
43	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.	12.4	28
44	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.	8.2	47
45	Effect of different soil washing solutions on bioavailability of residual arsenic in soils and soil properties. <i>Chemosphere</i> , 2015, 138, 253-258.	8.2	80
46	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. <i>Journal of Soils and Sediments</i> , 2015, 15, 1455-1462.	3.0	6
47	Lithium sorption properties of HMnO in seawater and wastewater. <i>Water Research</i> , 2015, 87, 320-327.	11.3	68
48	Effect of Pyrite and Indigenous Bacteria on Electricity Generation Using Mine Tailings. <i>Ecology and Resilient Infrastructure</i> , 2015, 2, 93-98.	0.3	3
49	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.	2.5	33
50	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.	5.0	18
51	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.	3.0	24
52	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.	3.0	8
53	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. <i>Ecology and Resilient Infrastructure</i> , 2014, 1, 19-24.	0.3	3
54	Risk Assessment of Environmental Pollutants in Korea for Soil and Groundwater Remediation. <i>Human and Ecological Risk Assessment (HERA)</i> , 2013, 19, 723-723.	3.4	6

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55	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. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1481-1487.	3.2	2
56	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.	1.1	0
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	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.	12.4	44
59	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.	3.2	26
60	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.	4.3	42
61	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.	12.4	12
62	Fenton degradation of tetrachloroethene and hexachloroethane in Fe(II) catalyzed systems. <i>Journal of Hazardous Materials</i> , 2010, 184, 234-240.	12.4	30
63	Degradation of hexachloroethane by Fenton's reagents. <i>Water Science and Technology</i> , 2008, 58, 2211-2214.	2.5	1
64	The opposing effects of bacterial activity and gas production on anaerobic TCE degradation in soil columns. <i>Chemosphere</i> , 2007, 69, 1790-1797.	8.2	2
65	Inhibition Effects of Free Ammonia (FA) on the Rates of Growth, Photosynthesis and Respiration of <i>Chlorella vulgaris</i> . <i>KSCE Journal of Civil Engineering</i> , 0, , 1.	1.9	3