

Seong Jik Park

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8197074/seong-jik-park-publications-by-year.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

118
papers

1,271
citations

19
h-index

30
g-index

136
ext. papers

1,707
ext. citations

4.4
avg, IF

5.27
L-index

#	Paper	IF	Citations
118	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	6.8	1
117	pH-dependent contribution of chlorine monoxide radicals and byproducts formation during UV/chlorine treatment on clothianidin. <i>Chemical Engineering Journal</i> , 2022 , 428, 132444	14.7	2
116	Response surface methodology to investigate the effects of operational parameters on membrane fouling and organic matter rejection in hard-shell encased hollow-fiber membrane. <i>Chemosphere</i> , 2022 , 287, 132132	8.4	4
115	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	8.4	7
114	Application of calcium-rich mineral under nonwoven fabric mats and sand armor as cap layer for interrupting N and P release from river sediments.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
113	Application of response surface methodology and artificial neural network for the preparation of Fe-loaded biochar for enhanced Cr(VI) adsorption and its physicochemical properties and Cr(VI) adsorption characteristics.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
112	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	2.6	0
111	Application of Fe-Impregnated Biochar from Cattle Manure for Removing Pentavalent Antimony from Aqueous Solution. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9257	2.6	0
110	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 , 129536	10.3	4
109	As(III) adsorption onto Fe-impregnated food waste biochar: experimental investigation, modeling, and optimization using response surface methodology. <i>Environmental Geochemistry and Health</i> , 2021 , 43, 3303-3321	4.7	9
108	Fluoride removal by thermally treated egg shells with high adsorption capacity, low cost, and easy acquisition. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 35887-35901	5.1	8
107	Effect of pyrolysis conditions on food waste conversion to biochar as a coagulant aid for wastewater treatment. <i>Journal of Water Process Engineering</i> , 2021 , 41, 102081	6.7	2
106	Thermally treated <i>Mytilus coruscus</i> shells for fluoride removal and their adsorption mechanism. <i>Chemosphere</i> , 2021 , 263, 128328	8.4	20
105	Application of aluminum-modified food waste biochar as adsorbent of fluoride in aqueous solutions and optimization of production using response surface methodology. <i>Microporous and Mesoporous Materials</i> , 2021 , 312, 110764	5.3	12
104	Simple preparation method for Styrofoam/TiO ₂ composites and their photocatalytic application for dye oxidation and Cr(VI) reduction in industrial wastewater. <i>Environmental Science: Water Research and Technology</i> , 2021 , 7, 222-230	4.2	3
103	Recycling of bottom ash derived from combustion of cattle manure and its adsorption behaviors for Cd(II), Cu(II), Pb(II), and Ni(II). <i>Environmental Science and Pollution Research</i> , 2021 , 28, 14957-14968	5.1	3
102	Improvement of Membrane Distillation Using PVDF Membrane Incorporated with TiO Modified by Silane and Optimization of Fabricating Conditions. <i>Membranes</i> , 2021 , 11,	3.8	6

101	Enhanced sonocatalytic degradation of bisphenol A with a magnetically recoverable biochar composite using rice husk and rice bran as substrate. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105284	6.8	12
100	Bisphenol A degradation using waste antivirus copper film with enhanced sono-Fenton-like catalytic oxidation. <i>Chemosphere</i> , 2021 , 276, 130218	8.4	15
99	Fe-loaded biochar obtained from food waste for enhanced phosphate adsorption and its adsorption mechanism study via spectroscopic and experimental approach. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105751	6.8	9
98	Conversion of cattle manure into functional material to remove selenate from wastewater. <i>Chemosphere</i> , 2021 , 278, 130398	8.4	9
97	Removal of Heavy Metals (Cd ²⁺ , Cu ²⁺ , Ni ²⁺ , Pb ²⁺) from Aqueous Solution Using <i>Hizikia fusiformis</i> as an Algae-Based Bioadsorbent. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8604	2.6	3
96	Ultrasound-activated peroxydisulfate process with copper film to remove bisphenol A: Operational parameter impact and back propagation-artificial neural network modeling. <i>Journal of Water Process Engineering</i> , 2021 , 44, 102326	6.7	2
95	Removal of triclosan from aqueous solution via adsorption by kenaf-derived biochar: Its adsorption mechanism study via spectroscopic and experimental approaches. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106343	6.8	5
94	Thermo-Chemical Treatment for Carcass Disposal and the Application of Treated Carcass as Compost. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 431	2.6	1
93	Application of PANI/TiO ₂ Composite for Photocatalytic Degradation of Contaminants from Aqueous Solution. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6710	2.6	6
92	Removal of Cu(II) from Aqueous Solutions Using Amine-Doped Polyacrylonitrile Fibers. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1738	2.6	5
91	The Removal of Crystal Violet from Textile Wastewater Using Palm Kernel Shell-Derived Biochar. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2251	2.6	28
90	Use of calcined sepiolite in removing phosphate from water and returning phosphate to soil as phosphorus fertilizer. <i>Journal of Environmental Management</i> , 2020 , 270, 110817	7.9	13
89	Application of magnetic biochar derived from food waste in heterogeneous sono-Fenton-like process for removal of organic dyes from aqueous solution. <i>Journal of Water Process Engineering</i> , 2020 , 37, 101455	6.7	31
88	Comparison of capping and mixing of calcined dolomite and zeolite for interrupting the release of nutrients from contaminated lake sediment. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 15045-15056	5.1	7
87	A Hybrid Ion-Exchange Fabric/Ceramic Membrane System to Remove As(V), Zn(II), and Turbidity from Wastewater. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2414	2.6	4
86	Synthesis of Fe-impregnated biochar from food waste for Selenium(VI) removal from aqueous solution through adsorption: Process optimization and assessment. <i>Chemosphere</i> , 2020 , 252, 126475	8.4	32
85	Nascent Rice Husk as an Adsorbent for Removing Cationic Dyes from Textile Wastewater. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3437	2.6	19
84	Experimental and model study for fluoride removal by thermally activated sepiolite. <i>Chemosphere</i> , 2020 , 241, 125094	8.4	30

83	Photocatalytic degradation of neonicotinoid insecticides using sulfate-doped Ag ₃ PO ₄ with enhanced visible light activity. <i>Chemical Engineering Journal</i> , 2020 , 402, 126183	14.7	34
82	Application of the anion-exchange resin as a complementary technique to remove residual cyanide complexes in industrial plating wastewater after conventional treatment. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 41688-41701	5.1	6
81	Production of Biochar from Food Waste and its Application for Phenol Removal from Aqueous Solution. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1	2.6	33
80	Remediation of metal-contaminated marine sediments using active capping with limestone, steel slag, and activated carbon: a laboratory experiment. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 3479-3491	2.6	9
79	Water and soil properties in organic and conventional paddies throughout the rice cultivation cycle in South Korea. <i>Environmental Engineering Research</i> , 2019 , 24, 45-53	3.6	4
78	Adsorption Characteristics of Calcined Oyster Shell for the Removal of Fluoride. <i>Daehan Hwanigyeong Gonghag Hoeji</i> , 2019 , 41, 695-702	0.6	2
77	Removal of Cd ²⁺ , Cu ²⁺ , Pb ²⁺ , Ni ²⁺ in Aqueous Solution by Thermally Treated Sepiolite. <i>Daehan Hwanigyeong Gonghag Hoeji</i> , 2019 , 41, 372-380	0.6	1
76	Effect of temperature on capping efficiency of zeolite and activated carbon under fabric mats for interrupting nutrient release from sediments. <i>Scientific Reports</i> , 2019 , 9, 15754	4.9	3
75	The feasibility of using bentonite, illite, and zeolite as capping materials to stabilize nutrients and interrupt their release from contaminated lake sediments. <i>Chemosphere</i> , 2019 , 219, 217-226	8.4	33
74	pH-Dependent Conformations for Hyperbranched Poly(ethylenimine) from All-Atom Molecular Dynamics. <i>Macromolecules</i> , 2018 , 51, 2187-2194	5.5	11
73	Dilute sulfuric acid fractionation of Korean food waste for ethanol and lactic acid production by yeast. <i>Waste Management</i> , 2018 , 74, 231-240	8.6	17
72	Application of response surface methodology and semi-mechanistic model to optimize fluoride removal using crushed concrete in a fixed-bed column. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 616-627	2.6	5
71	Scaled-Down Experiments and Numerical Simulations for the Design of a Retention Tank with Rotatable Bucket. <i>Journal of Environmental Engineering, ASCE</i> , 2018 , 144, 04018092	2	
70	Manufacture of High Efficiency Phosphate Adsorbent by Thermal Treatment of Dolomite 2018 , 26, 69-78		2
69	Application of a nanofibrous composite membrane to the fertilizer-driven forward osmosis process for irrigation water use. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 2700-2708	2.6	4
68	Evaluation of sediment capping with activated carbon and nonwoven fabric mat to interrupt nutrient release from lake sediments. <i>Science of the Total Environment</i> , 2017 , 599-600, 413-421	10.2	33
67	Arsenic(V) removal using an amine-doped acrylic ion exchange fiber: Kinetic, equilibrium, and regeneration studies. <i>Journal of Hazardous Materials</i> , 2017 , 325, 223-229	12.8	111
66	Application of Thermally Treated Crushed Concrete Granules for the Removal of Phosphate: A Cheap Adsorbent with High Adsorption Capacity. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	18

65	Applicability of Natural Zeolite with Different Cation Exchange Capacity as In-situ Capping Materials for Adsorbing Heavy Metals. <i>Daehan Hwanigyeong Gonghag Hoeji</i> , 2017 , 39, 51-58	0.6	1
64	Application of Lime Stone, Sand, and Zeolite as Reactive Capping Materials for Marine Sediments Contaminated with Organic Matters and Nutrients. <i>Daehan Hwanigyeong Gonghag Hoeji</i> , 2017 , 39, 470-477	0.6	1
63	Effects of Fertilization on Poned Water and Soil Quality in Organic and Conventional Paddy 2016 , 24, 139-152		2
62	Natural Zeolite and Sand Capping Treatment for Interrupting the Release of Cd, Cr, Cu, and Zn from Marine Contaminated Sediment and Stabilizing the Heavy Metals. <i>Daehan Hwanigyeong Gonghag Hoeji</i> , 2016 , 38, 135-143	0.6	4
61	Optimization of Acetic Acid Recovery Using Tri-n-alkylphosphine Oxide from Prepulping Extract of Hemicellulose by Response Surface Methodology. <i>Journal of the Korean Wood Science and Technology</i> , 2016 , 44, 477-493	2	1
60	Stabilization of Heavy Metal (Ni, Cr) in Soil Amended with Biomass Ash. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2016 , 58, 39-46		0
59	Assessment on Environmental Characteristics of Organic Paddy and Conventional Paddy by Comparing Their Soil Properties and Water Quality. <i>Daehan Hwanigyeong Gonghag Hoeji</i> , 2016 , 38, 504-512		0.6
58	Optimization of fabrication parameters for nanofibrous composite membrane using response surface methodology. <i>Desalination and Water Treatment</i> , 2016 , 57, 20188-20198		7
57	Response surface methodology for optimization of solvent extraction to recovery of acetic acid from black liquor derived from Typha latifolia pulping process. <i>Industrial Crops and Products</i> , 2016 , 89, 34-44	5.9	19
56	Evaluation of the Use of Sea Sand, Crushed Concrete, and Bentonite to Stabilize Trace Metals and to Interrupt Their Release from Contaminated Marine Sediments. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	16
55	Applicability and toxicity evaluation of an adsorbent based on jujube for the removal of toxic heavy metals. <i>Reactive and Functional Polymers</i> , 2015 , 93, 138-147	4.6	13
54	Optimization study on acid hydrolysis of hardwood-derived hemicellulosic extract for alcohol fermentation using response surface methodology. <i>Holzforschung</i> , 2015 , 69, 135-141	2	6
53	Comparative analysis of fixed-bed sorption models using phosphate breakthrough curves in slag filter media. <i>Desalination and Water Treatment</i> , 2015 , 55, 1795-1805		31
52	Bimetallic oxide-coated sand filter for simultaneous removal of bacteria, Fe(II), and Mn(II) in small- and pilot-scale column experiments. <i>Desalination and Water Treatment</i> , 2015 , 54, 3380-3391		10
51	Influence of Acid and Heat Treatment on the Removal of Fluoride by Red Mud. <i>Daehan Hwanigyeong Gonghag Hoeji</i> , 2015 , 37, 210-217	0.6	2
50	Assesment of Zeolite, Montmorillonite, and Steel Slag for Interrupting Heavy Metals Release from Contaminated Marine Sediments for Capping Thickness of Reactive materials. <i>Journal of Navigation and Port Research</i> , 2015 , 39, 335-344		1
49	Comparison of Soil Chemistry and Environmental Characteristics of Organic Paddy and Conventional Paddy Before Basal Fertilizer Application. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2015 , 57, 47-57		
48	Lab-scale experiments and model analyses for bacterial removal in flow-through columns containing dolomite. <i>Desalination and Water Treatment</i> , 2014 , 52, 6556-6566		3

47	Extraction of Hemicellulosic Sugar and Acetic Acid from Different Wood Species with Pressurized Dilute Acid Pretreatment. <i>Journal of the Korean Wood Science and Technology</i> , 2014 , 42, 172-182	2	2
46	Applicability Assessment of Steel Slag as Reactive Capping Material for Blocking Phosphorus Release from Marine Sediment. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2014 , 56, 11-17		1
45	Pb(II) Removal from Aqueous Solutions Using Pinewood and Oakwood. <i>Journal of the Korean Wood Science and Technology</i> , 2014 , 42, 450-459	2	1
44	Application of Montmorillonite as Capping Material for Blocking of Phosphate Release from Contaminated Marine Sediment. <i>Daehan Hwanigyeong Gonghag Hoeji</i> , 2014 , 36, 554-560	0.6	5
43	Applicability Assessment of Carbon Nanotube to Slow Sand Filtration for Bacteria Removal. <i>Daehan Hwanigyeong Gonghag Hoeji</i> , 2014 , 36, 873-878	0.6	1
42	Monitoring Biota in Giant Miscanthus Fields. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2014 , 56, 89-99		5
41	Recovery of Lithium(I), Strontium(II), and Lanthanum(III) Using CaAlginate Beads. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 2455-2464	2.8	45
40	Adhesion of bacteria to pyrophyllite clay in aqueous solution. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 703-10	2.6	13
39	Harvesting of Chlorella sp. KR-1 using a cross-flow membrane filtration system equipped with an anti-fouling membrane. <i>Bioresource Technology</i> , 2013 , 139, 379-82	11	72
38	Change in Soil Properties after Planting Giant Miscanthus. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2013 , 55, 69-75		2
37	Evaluation of the Efficiency of Solvent Systems to Remove Acetic Acid Derived from Pre-pulping Extraction. <i>Journal of the Korean Wood Science and Technology</i> , 2013 , 41, 447-455	2	6
36	Phosphate Removal of Aqueous Solutions using Industrial Wastes. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2013 , 55, 49-57		7
35	Forward Osmosis Based Seawater Desalination using Liquid Fertilizer as Draw Solution. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2013 , 55, 21-27		
34	Fluoride Removal from Aqueous Solutions using Industrial Waste Red Mud. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2013 , 55, 35-40		1
33	Applicability Assessment of Acid Treated Red Mud as Adsorbent Material for Removal of Six-valent Chromium from Seawater. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2013 , 55, 17-23		1
32	Environmental Aspect of Runoff Water from Miscanthus Production Field. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2013 , 55, 113-120		1
31	Bacterial removal in flow-through columns packed with iron-manganese bimetallic oxide-coated sand. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012 , 47, 1364-71	2.3	5
30	Nanofiltration membranes based on polyvinylidene fluoride nanofibrous scaffolds and crosslinked polyethyleneimine networks. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	50

29	Application of Red Mud and Oyster Shell for the Stabilization of Heavy Metals (Pb, Zn and Cu) in Marine Contaminated Sediment. <i>Daehan Hwanigyeong Gonghag Hoeji</i> , 2012 , 34, 751-756	0.6	6
28	Nanofiltration membranes based on polyvinylidene fluoride nanofibrous scaffolds and crosslinked polyethyleneimine networks 2012 , 33-46		2
27	Removal of Synthetic Heavy Metal (Cr ⁶⁺ , Cu ²⁺ , As ³⁺ , Pb ²⁺) from Water Using Red Mud and Lime Stone. <i>Daehan Hwanigyeong Gonghag Hoeji</i> , 2012 , 34, 566-573	0.6	10
26	Bacterial Adhesion to Metal Oxide-Coated Surfaces in the Presence of Silicic Acid. <i>Water Environment Research</i> , 2011 , 83, 470-476	2.8	12
25	Entrapment of Mg-Al layered double hydroxide in calcium alginate beads for phosphate removal from aqueous solution. <i>Desalination and Water Treatment</i> , 2011 , 36, 178-186		24
24	Influence of Surfactants on Bacterial Adhesion to Metal Oxide-Coated Surfaces. <i>Environmental Engineering Research</i> , 2011 , 16, 219-225	3.6	8
23	Bacterial adhesion to metal oxide-coated surfaces in the presence of silicic acid. <i>Water Environment Research</i> , 2011 , 83, 470-6	2.8	
22	Analysis of bacterial cell properties and transport in porous media. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010 , 45, 682-91	2.3	12
21	Bacterial attachment and detachment in aluminum-coated quartz sand in response to ionic strength change. <i>Water Environment Research</i> , 2010 , 82, 499-505	2.8	12
20	Influence of (bi)carbonate on bacterial interaction with quartz and metal oxide-coated surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 76, 57-62	6	9
19	Microbial Removal Using Layered Double Hydroxides and Iron (Hydr)oxides Immobilized on Granular Media. <i>Environmental Engineering Research</i> , 2010 , 15, 149-156	3.6	10
18	The role of phosphate in bacterial interaction with iron-coated surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 68, 79-82	6	14
17	Bacterial attachment to iron-impregnated granular activated carbon. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 74, 196-201	6	9
16	Adhesion of Escherichia coli to iron-coated sand in the presence of humic acid: a column experiment. <i>Water Environment Research</i> , 2009 , 81, 125-30	2.8	10
15	Humic Acid Removal from Water by Iron-coated Sand: A Column Experiment. <i>Environmental Engineering Research</i> , 2009 , 14, 41-47	3.6	7
14	Phosphate Removal from Aqueous Solution by Aluminum (Hydr)oxide-coated Sand. <i>Environmental Engineering Research</i> , 2009 , 14, 164-169	3.6	12
13	Determination of bacterial mass recovery in iron-coated sand: influence of ionic strength. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008 , 43, 1108-14	2.3	5
12	Bacteria transport in an unsaturated porous media: incorporation of air-water interface area model into transport modelling. <i>Hydrological Processes</i> , 2008 , 22, 2370-2376	3.3	15

11	Transport and retention of Escherichia coli in a mixture of quartz, Al-coated and Fe-coated sands. <i>Hydrological Processes</i> , 2008 , 22, 3856-3863	3.3	30
10	Bacteria transport through goethite-coated sand: effects of solution pH and coated sand content. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008 , 63, 236-42	6	56
9	Quantification of Bacterial Attachment-related Parameters in Porous Media. <i>Environmental Engineering Research</i> , 2008 , 13, 141-146	3.6	7
8	Analysis of Calculation Model for Specific Air-water Interface Area in Unsaturated Porous Media. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2006 , 48, 83-93		
7	Evaluation of Bacterial Transport Models for Saturated Column Experiments. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2006 , 48, 55-63		
6	Thermal treatment of attapulgite for phosphate removal: A cheap and natural adsorbent with high adsorption capacity114, 174-184		4
5	Removal of fluoride from water using thermally treated dolomite and optimization of experimental conditions using response surface methodology155, 311-320		11
4	Adsorption of triclosan from aqueous solution onto char derived from palm kernel shell177, 71-79		7
3	Removal of triclosan from aqueous solution using thermally treated rice husks202, 317-326		4
2	Effectivity and adsorption mechanism of food waste biochar for triclosan removal: a spectroscopic and experimental approach. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	1
1	Removal of Cd ²⁺ , Cu ²⁺ , Pb ²⁺ , and Ni ²⁺ by sludge produced from liquid crystal display glass substrate. <i>International Journal of Environmental Science and Technology</i> ,1	3.3	0