

# Junboun Park

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

2,283  
citations

304368

22  
h-index

223531

46  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2916  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastics pollution in different aquatic environments and biota: A review of recent studies. <i>Marine Pollution Bulletin</i> , 2018, 133, 191-208.	2.3	441
2	Review on transesterification of non-edible sources for biodiesel production with a focus on economic aspects, fuel properties and by-product applications. <i>Energy Conversion and Management</i> , 2019, 201, 112155.	4.4	246
3	High efficiency removal of heavy metals using tire-derived activated carbon vs commercial activated carbon: Insights into the adsorption mechanisms. <i>Chemosphere</i> , 2021, 264, 128455.	4.2	220
4	Environmentally sustainable applications of agro-based spent mushroom substrate (SMS): an overview. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 1383-1396.	1.6	122
5	Characterization and coagulation performance of a novel inorganic polymer coagulant—Poly-zinc-silicate-sulfate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 334, 147-154.	2.3	112
6	Adsorption of Cr(VI) on hexadecylpyridinium bromide (HDPB) modified natural zeolites. <i>Microporous and Mesoporous Materials</i> , 2010, 130, 83-91.	2.2	109
7	Removal characteristics of As(III) and As(V) from acidic aqueous solution by steel making slag. <i>Journal of Hazardous Materials</i> , 2012, 213-214, 147-155.	6.5	106
8	Phytoremediation potential and control of <i>Phragmites australis</i> as a green phytomass: an overview. <i>Environmental Science and Pollution Research</i> , 2019, 26, 7428-7441.	2.7	83
9	Oyster Shell as Substitute for Aggregate in Mortar. <i>Waste Management and Research</i> , 2004, 22, 158-170.	2.2	80
10	Optimization of aluminium recovery from water treatment sludge using Response Surface Methodology. <i>Journal of Environmental Management</i> , 2018, 228, 13-19.	3.8	65
11	Effect of salt of various concentrations on liquid limit, and hydraulic conductivity of different soil-bentonite mixtures. <i>Environmental Geology</i> , 2009, 57, 1145-1153.	1.2	55
12	Removal of chromate from water using surfactant modified Pohang clinoptilolite and Haruna chabazite. <i>Desalination</i> , 2010, 257, 102-109.	4.0	51
13	Effects of surfactants and electrolyte solutions on the properties of soil. <i>Environmental Geology</i> , 2006, 49, 977-989.	1.2	45
14	Effects of washing solution and drying condition on reactivity of nano-scale zero valent irons (nZVIs) synthesized by borohydride reduction. <i>Chemosphere</i> , 2014, 97, 146-152.	4.2	42
15	Factors affecting the complex permittivity spectrum of soil at a low frequency range of 1 kHz–10 MHz. <i>Environmental Geology</i> , 2006, 51, 821-833.	1.2	38
16	Development of a New Zero-Valent Iron Zeolite Material to Reduce Nitrate without Ammonium Release. <i>Journal of Environmental Engineering, ASCE</i> , 2007, 133, 6-12.	0.7	37
17	Facemasks: A Looming Microplastic Crisis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7068.	1.2	33
18	Removal of lead ions from wastewater using lanthanum sulfide nanoparticle decorated over magnetic graphene oxide. <i>Environmental Research</i> , 2022, 204, 111959.	3.7	33

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19	Oyster Shell as a Low-Cost Adsorbent for Removing Heavy Metal Ions from Wastewater. Polish Journal of Environmental Studies, 2019, 28, 2949-2959.	0.6	30
20	Recent advances on the removal of phosphorus in aquatic plant-based systems. Environmental Technology and Innovation, 2021, 24, 101933.	3.0	28
21	The influence of temperature and cycles on acoustic and mechanical properties of frozen soils. KSCE Journal of Civil Engineering, 2009, 13, 153-159.	0.9	25
22	Current Scenario of the Tehran Municipal Solid Waste Handling Rules towards Green Technology. International Journal of Environmental Research and Public Health, 2019, 16, 979.	1.2	25
23	BTEX and heavy metals removal using pulverized waste tires in engineered fill materials. Chemosphere, 2020, 242, 125281.	4.2	25
24	Synthesis of fluorescent naphthalimide-functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles and their application for the selective detection of Zn <sup>2+</sup> present in contaminated soil. Sensors and Actuators B: Chemical, 2017, 243, 1034-1041.	4.0	24
25	Applicability of grid-net detection system for landfill leachate and diesel fuel release in the subsurface. Journal of Contaminant Hydrology, 2008, 96, 69-82.	1.6	21
26	Simultaneous Removal of Cd and Cr(VI) Using Fe-Loaded Zeolite. Journal of Environmental Engineering, ASCE, 2006, 132, 445-450.	0.7	20
27	A new approach for modeling flux variation in membrane filtration and experimental verification. Water Research, 2019, 166, 115027.	5.3	20
28	The effects of surfactants (sodium dodecyl sulfate, triton X-100 and cetyl trimethyl ammonium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 Technology, 2019, 273, 565-572.	4.8	19
29	Dielectric dispersion characteristics of sand contaminated by heavy metal, landfill leachate and BTEX (02-104B). Journal of Hazardous Materials, 2003, 105, 83-102.	6.5	17
30	Oyster Shell Powder, Zeolite and Red Mud as Binders for Immobilising Toxic Metals in Fine Granular Contaminated Soils (from Industrial Zones in South Korea). International Journal of Environmental Research and Public Health, 2021, 18, 2530.	1.2	10
31	Removal of arsenate and arsenite from aqueous solution by waste cast iron. Journal of Environmental Sciences, 2012, 24, 589-595.	3.2	8
32	Kinetic investigation of 1,9-dimethyl-methylene blue zinc chloride double salt removal from wastewater using ferrate (VI) and ultraviolet radiation. Journal of King Saud University - Science, 2020, 32, 213-222.	1.6	7
33	Adsorption characteristics of cadmium ions from aqueous solution onto pine sawdust biomass and biochar. BioResources, 2019, 14, 4270-4283.	0.5	7
34	Application of ZnO-Nd Nano-Photocatalyst for the Reactive Red 198 Dye Decolorization in the Falling-Film Photocatalytic Reactor. Toxics, 2021, 9, 254.	1.6	7
35	Application of a newly developed column test device to analyze seawater transport in sandy soils. Environmental Earth Sciences, 2013, 70, 2397-2404.	1.3	6
36	Dynamic shear behavior of concrete-soil interface based on cyclic simple shear test. KSCE Journal of Civil Engineering, 2014, 18, 787-793.	0.9	6

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37	Selective detection of Hg <sup>2+</sup> using fluorescent rhodamine-functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles. RSC Advances, 2016, 6, 79405-79409.	1.7	6
38	Swelling Capacity and Hydraulic Conductivity of Polymer-Modified Bentonite under Saline Water Conditions. Applied Sciences (Switzerland), 2018, 8, 1025.	1.3	6
39	Adsorption properties of heavy metal ions in landfill leachate by Na-bentonite. Materialpruefung/Materials Testing, 2019, 61, 81-87.	0.8	6
40	Analysis of resistivity data obtained from cone penetrometer in contaminated soil layers. Environmental Geology, 2009, 58, 1309-1317.	1.2	5
41	Influences of solution and mixed soil on estimating bentonite content in slurry using electrical conductivity. Applied Clay Science, 2009, 43, 408-414.	2.6	5
42	Partitioning tracer method for quantifying the residual saturation of refined petroleum products in saturated soil. Environmental Earth Sciences, 2011, 64, 2059-2066.	1.3	5
43	Development of a novel base liner material for offshore final disposal sites and the assessment of its hydraulic conductivity. Waste Management, 2020, 102, 190-197.	3.7	5
44	Pilot-scale field model tests for detecting landfill leachate intrusion into the subsurface using a grid-net electrical conductivity measurement system. Environmental Geology, 2003, 45, 181-189.	1.2	4
45	Laboratory study on the dielectric properties of contaminated soil using CPT deployed probe. Geosciences Journal, 2007, 11, 121-130.	0.6	4
46	A developed soil column test device for measuring the electrical conductivity breakthrough curves. Environmental Earth Sciences, 2014, 72, 3715-3722.	1.3	3
47	Removal of Acid Orange 7 dye from wastewater using combination of ultraviolet radiation, ultrasonic method, and MgO nanoparticles. Environmental Health Engineering and Management, 2019, 6, 157-170.	0.3	2
48	ZEOLITE MIXTURES AS ADSORPTIVE FILL MATERIAL WITH SUSTAINABLE BEARING CAPACITY. WIT Transactions on Ecology and the Environment, 2018, , .	0.0	2
49	Dynamic Shear Degradation of Geosyntheticâ€“Soil Interface in Waste Landfill Sites. Applied Sciences (Switzerland), 2017, 7, 1225.	1.3	1
50	Performance of a salt-resistant mixture of bentonite and field soil as impermeable material in solid waste landfills. Materialpruefung/Materials Testing, 2018, 60, 1232-1240.	0.8	1
51	Arrangement and Performance of Permeable Reactive Well (PRW) through Modeling. , 2008, , .		0
52	Effect of soil organic carbon on the quantification of jet-fuels in soil using partitioning tracer method. Journal of Hazardous Materials, 2010, 184, 49-57.	6.5	0
53	Development on the Technology for Offshore Waste Final Disposal in S. Korea. Lecture Notes in Civil Engineering, 2019, , 17-42.	0.3	0
54	Evaluation of Fuel Quality for Solid Culm Bamboo from Myanmar by a Comparative Study. New & Renewable Energy, 2019, 15, 66-74.	0.1	0