

Jaewon Jang

List of Publications by Year in descending order

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33
papers

1,878
citations

393982

19
h-index

525886

27
g-index

34
all docs

34
docs citations

34
times ranked

1309
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of clogging and cleaning on the permeability of pervious block pavements. International Journal of Pavement Engineering, 2022, 23, 3147-3156.	2.2	5
2	Ground Collapse in EPB shield TBM site: A case study of railway tunnels in the deltaic region near Nak-Dong River in Korea. Tunnelling and Underground Space Technology, 2022, 120, 104274.	3.0	9
3	Characterization of orthotropic nature of cleavage planes in granitic rock. Engineering Geology, 2020, 265, 105432.	2.9	4
4	Near-surface soil stabilization by enzyme-induced carbonate precipitation for fugitive dust suppression. Acta Geotechnica, 2020, 15, 1967-1980.	2.9	31
5	Impact of Pore-Scale Characteristics on Immiscible Fluid Displacement. Geofluids, 2020, 2020, 1-10.	0.3	6
6	Pore-scale swelling mechanism of magnesium oxide granules during hydration. Construction and Building Materials, 2020, 251, 119101.	3.2	7
7	Assessing the Kinetics and Pore-Scale Characteristics of Biological Calcium Carbonate Precipitation in Porous Media using a Microfluidic Chip Experiment. Water Resources Research, 2020, 56, e2019WR025420.	1.7	51
8	The Behavior of Expansive Particle Packing – DEM Simulation Using PFC3D Code. Lecture Notes in Civil Engineering, 2020, , 1061-1064.	0.3	0
9	Water Permeability Reduction in THF Hydrate-Bearing Sediments. Sustainable Civil Infrastructures, 2019, , 227-237.	0.1	0
10	Effect of input signal type and time delay in sensors on wave velocity in rock specimens. Engineering Geology, 2019, 260, 105225.	2.9	3
11	Impact of hydrate saturation on water permeability in hydrate-bearing sediments. Journal of Petroleum Science and Engineering, 2019, 174, 696-703.	2.1	113
12	Gas Bubble Nucleation and Migration in Soils – Pore-Network Model Simulation. Sustainable Civil Infrastructures, 2019, , 27-37.	0.1	0
13	Gas Bubble Migration and Trapping in Porous Media: Pore-Scale Simulation. Journal of Geophysical Research: Solid Earth, 2018, 123, 1060-1071.	1.4	48
14	Fines adsorption on nanoparticle-coated surface. Acta Geotechnica, 2018, 13, 219-226.	2.9	16
15	Interfacial tension and contact angle in CO ₂ -water/nanofluid-quartz system. , 2018, 8, 734-746.		7
16	The Soil Water Characteristic Curve for 3D Printed Soil Samples. , 2018, , .		0
17	The impact of fluid flow on force chains in granular media. Applied Physics Letters, 2017, 110, .	1.5	24
18	Water and Gas Flows in Hydrate-Bearing Sediments. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	Capillary pressure at irregularly shaped pore throats: Implications for water retention characteristics. <i>Advances in Water Resources</i> , 2017, 110, 51-58.	1.7	21
20	Effect of capillary and viscous force on CO ₂ saturation and invasion pattern in the microfluidic chip. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 1634-1647.	1.4	48
21	Hydraulic Properties of Porous Media Saturated with Nanoparticle-Stabilized Air-Water Foam. <i>Sustainability</i> , 2016, 8, 1317.	1.6	22
22	The effect of hydrate saturation on water retention curves in hydrate-bearing sediments. <i>Geophysical Research Letters</i> , 2016, 43, 4279-4287.	1.5	70
23	Hydrate bearing clayey sediments: Formation and gas production concepts. <i>Marine and Petroleum Geology</i> , 2016, 77, 235-246.	1.5	51
24	Effect of hydrate nucleation mechanisms and capillarity on permeability reduction in granular media. <i>Geophysical Research Letters</i> , 2016, 43, 9018-9025.	1.5	101
25	The water retention curve and relative permeability for gas production from hydrate-bearing sediments: pore network model simulation. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3099-3110.	1.0	96
26	Evolution of gas saturation and relative permeability during gas production from hydrate-bearing sediments: Gas invasion vs. gas nucleation. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 116-126.	1.4	68
27	Relative water and gas permeability for gas production from hydrate-bearing sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2346-2353.	1.0	53
28	Gas Production from Hydrate-Bearing Sediments: The Role of Fine Particles. <i>Energy & Fuels</i> , 2012, 26, 480-487.	2.5	111
29	Recoverable gas from hydrate-bearing sediments: Pore network model simulation and macroscale analyses. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	46
30	Hydraulic conductivity in spatially varying media-a pore-scale investigation. <i>Geophysical Journal International</i> , 2011, 184, 1167-1179.	1.0	70
31	Sustainable development and energy geotechnology – Potential roles for geotechnical engineering. <i>KSCE Journal of Civil Engineering</i> , 2011, 15, 611-621.	0.9	41
32	Energy geotechnology. , 2010, , 33-50.		6
33	Physical properties of hydrate-bearing sediments. <i>Reviews of Geophysics</i> , 2009, 47, .	9.0	746