

Kevin J Hodder

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

164
citations

1478505

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h-index

1474206

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g-index

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all docs

11
docs citations

11
times ranked

99
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive Experimental Study on Mechanical Behavior, Microstructure and Transport Properties of 3D-printed Rock Analogs. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 5745-5765.	5.4	47
2	Process limitations of 3D printing model rock. <i>Progress in Additive Manufacturing</i> , 2018, 3, 173-182.	4.8	33
3	Bridging additive manufacturing and sand casting: Utilizing foundry sand. <i>Additive Manufacturing</i> , 2019, 28, 649-660.	3.0	31
4	Improvement of the unconfined compressive strength of 3D-printed model rock via silica sand functionalization using silane coupling agents. <i>International Journal of Adhesion and Adhesives</i> , 2018, 85, 274-280.	2.9	15
5	Silane Treatment of 3D-Printed Sandstone Models for Improved Spontaneous Imbibition of Water. <i>Transport in Porous Media</i> , 2019, 129, 583-598.	2.6	12
6	Poromechanical controls on spontaneous imbibition in earth materials. <i>Scientific Reports</i> , 2021, 11, 3328.	3.3	9
7	Increasing Density of 3D-Printed Sandstone through Compaction. <i>Energies</i> , 2022, 15, 1813.	3.1	7
8	A 3D printing Short Course: A Case Study for Applications in the Geoscience Teaching and Communication for Specialists and Non-experts. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	5
9	Using 3d Printed Synthetic Rock for Systematic Evaluation of Mechanical Properties in Coal. , 2019, , .		2
10	3D printing of rock analogues in sand: a tool for design and repeatable testing of geomechanical and transport properties. <i>E3S Web of Conferences</i> , 2020, 205, 04014.	0.5	2
11	Experimental Study on Mechanical Properties of 3D-Printed Specimens of Iron Oxide, Quartz, and Bedded Composites Under Uniaxial Compression and Indirect Tensile Strength. <i>3D Printing and Additive Manufacturing</i> , 0, , .	2.9	1