

Daniel Vogler

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

651
citations

686830

13
h-index

580395

25
g-index

30
all docs

30
docs citations

30
times ranked

553
citing authors

#	ARTICLE	IF	CITATIONS
1	Permeability Evolution in Natural Fractures Subject to Cyclic Loading and Gouge Formation. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 3463-3479.	2.6	98
2	Experiments and Simulations of Fully Hydro-mechanically Coupled Response of Rough Fractures Exposed to High-Pressure Fluid Injection. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 1186-1200.	1.4	75
3	A comparison of tensile failure in 3D-printed and natural sandstone. <i>Engineering Geology</i> , 2017, 226, 221-235.	2.9	62
4	Comparison of Surface Properties in Natural and Artificially Generated Fractures in a Crystalline Rock. <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 2891-2909.	2.6	45
5	Numerical Simulations and Validation of Contact Mechanics in a Granodiorite Fracture. <i>Rock Mechanics and Rock Engineering</i> , 2018, 51, 2805-2824.	2.6	43
6	Simulating electropulse fracture of granitic rock. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 128, 104238.	2.6	39
7	3D non-conforming mesh model for flow in fractured porous media using Lagrange multipliers. <i>Computers and Geosciences</i> , 2019, 132, 42-55.	2.0	32
8	On the direct measurement of shear moduli in transversely isotropic rocks using the uniaxial compression test. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019, 113, 220-240.	2.6	32
9	Heat depletion in sedimentary basins and its effect on the design and electric power output of CO ₂ Plume Geothermal (CPG) systems. <i>Renewable Energy</i> , 2021, 172, 1393-1403.	4.3	30
10	Compressive and Tensile Behavior of 3D-Printed and Natural Sandstones. <i>Transport in Porous Media</i> , 2019, 129, 559-581.	1.2	24
11	Thermally driven fracture aperture variation in naturally fractured granites. <i>Geothermal Energy</i> , 2019, 7, .	0.9	23
12	A numerical investigation into key factors controlling hard rock excavation via electropulse stimulation. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2020, 12, 793-801.	3.7	22
13	No-Flow Fraction (NFF) Permeability Model for Rough Fractures Under Normal Stress. <i>Water Resources Research</i> , 2021, 57, e2020WR029080.	1.7	18
14	Simulation of rock failure modes in thermal spallation drilling. <i>Acta Geotechnica</i> , 2020, 15, 2327-2340.	2.9	16
15	Permeability Impairment and Salt Precipitation Patterns During CO ₂ Injection Into Single Natural Brine-Filled Fractures. <i>Water Resources Research</i> , 2020, 56, e2020WR027213.	1.7	14
16	Verification of Coupled Hydraulic Fracturing Simulators Using Laboratory-Scale Experiments. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 2881-2902.	2.6	12
17	Estimating fluid flow rates through fracture networks using combinatorial optimization. <i>Advances in Water Resources</i> , 2018, 122, 85-97.	1.7	10
18	Simulation of hydro-mechanically coupled processes in rough rock fractures using an immersed boundary method and variational transfer operators. <i>Computational Geosciences</i> , 2019, 23, 1125-1140.	1.2	10

#	ARTICLE	IF	CITATIONS
19	Simulating Plasma Formation in Pores under Short Electric Pulses for Plasma Pulse Geo Drilling (PPGD). <i>Energies</i> , 2021, 14, 4717.	1.6	10
20	A hierarchy of models for simulating experimental results from a 3D heterogeneous porous medium. <i>Advances in Water Resources</i> , 2018, 114, 149-163.	1.7	6
21	Modelling of hydro-mechanical processes in heterogeneous fracture intersections using a fictitious domain method with variational transfer operators. <i>Computational Geosciences</i> , 2020, 24, 1799-1814.	1.2	6
22	On the applicability of connectivity metrics to rough fractures under normal stress. <i>Advances in Water Resources</i> , 2022, 161, 104122.	1.7	5
23	Contact between rough rock surfaces using a dual mortar method. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 133, 104414.	2.6	4
24	Numerical Modeling of the Effects of Pore Characteristics on the Electric Breakdown of Rock for Plasma Pulse Geo Drilling. <i>Energies</i> , 2022, 15, 250.	1.6	4
25	Flow-through Drying during CO2 Injection into Brine-filled Natural Fractures: A Tale of Effective Normal Stress. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103378.	2.3	1
26	Laboratory Fracking Experiments for Verifying Numerical Simulation Codes. , 2018, , .		1