

Adriana Paluszny

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,037
citations

236612

25
h-index

433756

31
g-index

36
all docs

36
docs citations

36
times ranked

2847
citing authors

#	ARTICLE	IF	CITATIONS
1	Pore-scale imaging and modelling. <i>Advances in Water Resources</i> , 2013, 51, 197-216.	1.7	1,407
2	Residual CO ₂ imaged with X-ray micro-tomography. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	280
3	A three-dimensional coupled thermo-hydro-mechanical model for deformable fractured geothermal systems. <i>Geothermics</i> , 2018, 71, 212-224.	1.5	145
4	How Tough Is Brittle Bone? Investigating Osteogenesis Imperfecta in Mouse Bone. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1392-1401.	3.1	119
5	Three-dimensional poroelastic effects during hydraulic fracturing in permeable rocks. <i>International Journal of Solids and Structures</i> , 2017, 108, 153-163.	1.3	88
6	Numerical simulation of multiple 3D fracture propagation using arbitrary meshes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2011, 200, 953-966.	3.4	87
7	Finite element simulations of interactions between multiple hydraulic fractures in a poroelastic rock. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2017, 99, 9-20.	2.6	77
8	Numerical modeling of discrete multi-crack growth applied to pattern formation in geological brittle media. <i>International Journal of Solids and Structures</i> , 2009, 46, 3383-3397.	1.3	71
9	On the use of quarter-point tetrahedral finite elements in linear elastic fracture mechanics. <i>Engineering Fracture Mechanics</i> , 2015, 144, 194-221.	2.0	55
10	Inclusion-Based Effective Medium Models for the Permeability of a 3D Fractured Rock Mass. <i>Transport in Porous Media</i> , 2016, 113, 137-158.	1.2	54
11	Residual Trapping of CO ₂ in an Oil-Filled, Oil-Wet Sandstone Core: Results of Three-Phase Pore-Scale Imaging. <i>Geophysical Research Letters</i> , 2019, 46, 11146-11154.	1.5	53
12	A direct fragmentation method with Weibull function distribution of sizes based on finite- and discrete element simulations. <i>International Journal of Solids and Structures</i> , 2016, 80, 38-51.	1.3	50
13	A finite element framework for modeling internal frictional contact in three-dimensional fractured media using unstructured tetrahedral meshes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 306, 123-150.	3.4	47
14	Fracture and impulse based finite-discrete element modeling of fragmentation. <i>Computational Mechanics</i> , 2013, 52, 1071-1084.	2.2	45
15	A Sensitivity Study of the Effect of Image Resolution on Predicted Petrophysical Properties. <i>Transport in Porous Media</i> , 2015, 110, 157-169.	1.2	40
16	Effect of cold CO ₂ injection on fracture apertures and growth. <i>International Journal of Greenhouse Gas Control</i> , 2018, 74, 130-141.	2.3	40
17	A disk-shaped domain integral method for the computation of stress intensity factors using tetrahedral meshes. <i>International Journal of Solids and Structures</i> , 2015, 69-70, 230-251.	1.3	39
18	Caprock integrity and public perception studies of carbon storage in depleted hydrocarbon reservoirs. <i>International Journal of Greenhouse Gas Control</i> , 2020, 98, 103057.	2.3	38

#	ARTICLE	IF	CITATIONS
19	Hydrogen Flooding of a Coal Core: Effect on Coal Swelling. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	35
20	Numerical fracture growth modeling using smooth surface geometric deformation. <i>Engineering Fracture Mechanics</i> , 2013, 108, 19-36.	2.0	34
21	Permeability of Three-Dimensional Numerically Grown Geomechanical Discrete Fracture Networks With Evolving Geometry and Mechanical Apertures. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018899.	1.4	32
22	An impulse-based energy tracking method for collision resolution. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2014, 278, 160-185.	3.4	30
23	Energy conservative property of impulse-based methods for collision resolution. <i>International Journal for Numerical Methods in Engineering</i> , 2013, 95, 529-540.	1.5	27
24	Relationship Between the Orientation of Maximum Permeability and Intermediate Principal Stress in Fractured Rocks. <i>Water Resources Research</i> , 2018, 54, 8734-8755.	1.7	27
25	Evolution of fracture normal stiffness due to pressure dissolution and precipitation. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2016, 88, 12-22.	2.6	26
26	Growth of three-dimensional fractures, arrays, and networks in brittle rocks under tension and compression. <i>Computers and Geotechnics</i> , 2020, 121, 103447.	2.3	22
27	Quantification of Fracture Interaction Using Stress Intensity Factor Variation Maps. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 7698-7717.	1.4	19
28	Hydro-mechanical interaction effects and channelling in three-dimensional fracture networks undergoing growth and nucleation. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2020, 12, 707-719.	3.7	19
29	Modelling of primary fragmentation in block caving mines using a finite-element based fracture mechanics approach. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2017, 3, 121-130.	1.3	16
30	Finite-Element Modeling of the Growth and Interaction of Hydraulic Fractures in Poroelastic Rock Formations. , 2018, , 1-19.		7
31	Fracture growth leading to mechanical spalling around deposition boreholes of an underground nuclear waste repository. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2022, 152, 105038.	2.6	5
32	Permeability of observed three dimensional fracture networks in spent fuel pins. <i>Journal of Nuclear Materials</i> , 2018, 510, 613-622.	1.3	3