Adriana Paluszny

List of Publications by Year
in descending order

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	Hydrogen Flooding of a Coal Core: Effect on Coal Swelling. Geophysical Research Letters, 2022, 49, .	1.5	35
2	Fracture growth leading to mechanical spalling around deposition boreholes of an underground nuclear waste repository. International Journal of Rock Mechanics and Minings Sciences, 2022, 152, 105038.	2.6	5
3	Hydro-mechanical interaction effects and channelling in three-dimensional fracture networks undergoing growth and nucleation. Journal of Rock Mechanics and Geotechnical Engineering, 2020, 12, 707-719.	3.7	19
4	Growth of three-dimensional fractures, arrays, and networks in brittle rocks under tension and compression. Computers and Geotechnics, 2020, 121, 103447.	2.3	22
5	Permeability of Threeâ€Dimensional Numerically Grown Geomechanical Discrete Fracture Networks With Evolving Geometry and Mechanical Apertures. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018899.	1.4	32
6	Caprock integrity and public perception studies of carbon storage in depleted hydrocarbon reservoirs. International Journal of Greenhouse Gas Control, 2020, 98, 103057.	2.3	38
7	Residual Trapping of CO₂ in an Oilâ€Filled, Oilâ€Wet Sandstone Core: Results of Threeâ€Phase Poreâ€Scale Imaging. Geophysical Research Letters, 2019, 46, 11146-11154.	1.5	53
8	Finite-Element Modeling of the Growth and Interaction of Hydraulic Fractures in Poroelastic Rock Formations. , 2018, , 1-19.		7
9	A three-dimensional coupled thermo-hydro-mechanical model for deformable fractured geothermal systems. Geothermics, 2018, 71, 212-224.	1.5	145
10	Relationship Between the Orientation of Maximum Permeability and Intermediate Principal Stress in Fractured Rocks. Water Resources Research, 2018, 54, 8734-8755.	1.7	27
11	Permeability of observed three dimensional fracture networks in spent fuel pins. Journal of Nuclear Materials, 2018, 510, 613-622.	1.3	3
12	Effect of cold CO2 injection on fracture apertures and growth. International Journal of Greenhouse Gas Control, 2018, 74, 130-141.	2.3	40
13	Three-dimensional poroelastic effects during hydraulic fracturing in permeable rocks. International Journal of Solids and Structures, 2017, 108, 153-163.	1.3	88
14	Quantification of Fracture Interaction Using Stress Intensity Factor Variation Maps. Journal of Geophysical Research: Solid Earth, 2017, 122, 7698-7717.	1.4	19
15	Finite element simulations of interactions between multiple hydraulic fractures in a poroelastic rock. International Journal of Rock Mechanics and Minings Sciences, 2017, 99, 9-20.	2.6	77
16	Modelling of primary fragmentation in block caving mines using a finite-element based fracture mechanics approach. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2017, 3, 121-130.	1.3	16
17	A finite element framework for modeling internal frictional contact in three-dimensional fractured media using unstructured tetrahedral meshes. Computer Methods in Applied Mechanics and Engineering, 2016, 306, 123-150.	3.4	47
18	Evolution of fracture normal stiffness due to pressure dissolution and precipitation. International Journal of Rock Mechanics and Minings Sciences, 2016, 88, 12-22.	2.6	26

#	Article	IF	Citations
19	Inclusion-Based Effective Medium Models for the Permeability of a 3D Fractured Rock Mass. Transport in Porous Media, 2016, 113, 137-158.	1.2	54
20	A direct fragmentation method with Weibull function distribution of sizes based on finite- and discrete element simulations. International Journal of Solids and Structures, 2016, 80, 38-51.	1.3	50
21	A disk-shaped domain integral method for the computation of stress intensity factors using tetrahedral meshes. International Journal of Solids and Structures, 2015, 69-70, 230-251.	1.3	39
22	On the use of quarter-point tetrahedral finite elements in linear elastic fracture mechanics. Engineering Fracture Mechanics, 2015, 144, 194-221.	2.0	55
23	A Sensitivity Study of the Effect of Image Resolution on Predicted Petrophysical Properties. Transport in Porous Media, 2015, 110, 157-169.	1.2	40
24	How Tough Is Brittle Bone? Investigating Osteogenesis Imperfecta in Mouse Bone. Journal of Bone and Mineral Research, 2014, 29, 1392-1401.	3.1	119
25	An impulse-based energy tracking method for collision resolution. Computer Methods in Applied Mechanics and Engineering, 2014, 278, 160-185.	3.4	30
26	Numerical fracture growth modeling using smooth surface geometric deformation. Engineering Fracture Mechanics, 2013, 108, 19-36.	2.0	34
27	Pore-scale imaging and modelling. Advances in Water Resources, 2013, 51, 197-216.	1.7	1,407
28	Fracture and impulse based finite-discrete element modeling of fragmentation. Computational Mechanics, 2013, 52, 1071-1084.	2.2	45
29	Energy conservative property of impulseâ€based methods for collision resolution. International Journal for Numerical Methods in Engineering, 2013, 95, 529-540.	1.5	27
30	Residual CO₂imaged with X-ray micro-tomography. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	280
31	Numerical simulation of multiple 3D fracture propagation using arbitrary meshes. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 953-966.	3.4	87
32	Numerical modeling of discrete multi-crack growth applied to pattern formation in geological brittle media. International Journal of Solids and Structures, 2009, 46, 3383-3397.	1.3	71