

Sotiris Alevizos

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

226
citations

1478505

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1199594

12
g-index

16
all docs

16
docs citations

16
times ranked

102
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical reaction capping of thermal instabilities during shear of frictional faults. <i>Journal of the Mechanics and Physics of Solids</i> , 2010, 58, 1175-1194.	4.8	65
2	Thermoporomechanics of chemically active creeping faults. 1: Theory and steady state considerations. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 4558-4582.	3.4	46
3	Thermoporomechanics of chemically active creeping faults: 2. Transient considerations. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 4583-4605.	3.4	44
4	A Framework for Fracture Network Formation in Overpressurised Impermeable Shale: Deformability Versus Diagenesis. <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 689-703.	5.4	27
5	Episodic Tremor and Slip (ETS) as a chaotic multiphysics spring. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 264, 20-34.	1.9	13
6	A visco-plastic framework for interface processes in sedimentary reservoir rocks at HPHT conditions. <i>Geomechanics for Energy and the Environment</i> , 2020, 22, 100165.	2.5	9
7	Shear heating in creeping faults changes the onset of convection. <i>Geophysical Journal International</i> , 2017, 211, 270-283.	2.4	5
8	The dynamics of multiscale, multiphysics faults: Part I - The long-term behaviour of the lithosphere. <i>Tectonophysics</i> , 2018, 746, 648-658.	2.2	4
9	A heuristic model inversion for coupled thermo-hydro-mechanical modelling of triaxial experiments. <i>Computers and Geotechnics</i> , 2020, 117, 103278.	4.7	4
10	Analysis of Dynamics in Multiphysics Modelling of Active Faults. <i>Mathematics</i> , 2016, 4, 57.	2.2	3
11	The influence of anisotropy on compaction bands: The case of coaxiality between stress and fabric anisotropy tensors. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2022, 46, 68-88.	3.3	3
12	The dynamics of multiscale, multiphysics faults: Part II - Episodic stick-slip can turn the jelly sandwich into a crème brûlée. <i>Tectonophysics</i> , 2018, 746, 659-668.	2.2	2
13	Thermoporomechanics of landslides. <i>European Journal of Environmental and Civil Engineering</i> , 2010, 14, 1185-1198.	2.1	0
14	The Effect of Rotational and Isotropic Hardening on the Onset of Compaction Bands. <i>Springer Series in Geomechanics and Geoengineering</i> , 2017, , 147-153.	0.1	0
15	Bifurcation Criteria for Strain Localization in Multiphysical Systems. <i>Springer Series in Geomechanics and Geoengineering</i> , 2017, , 201-206.	0.1	0