

Manolis Veveakis

List of Publications by Year in descending order

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516215

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63
all docs

63
docs citations

63
times ranked

476
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of grain size distribution on the shear band thickness evolution in sand. <i>Geotechnique</i> , 2022, 72, 350-363.	2.2	27
2	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.	1.7	3
3	Life Expectancy of Evaporating Capillary Bridges Predicted by Tertiary Creep Modeling. <i>Frontiers in Mechanical Engineering</i> , 2022, 8, .	0.8	1
4	Influence of cementation on the yield surface of rocks numerically determined from digital microstructures. <i>International Journal of Plasticity</i> , 2022, 156, 103338.	4.1	2
5	A note on the instability and pattern formation of shrinkage cracks in viscoplastic soils. <i>Geomechanics for Energy and the Environment</i> , 2021, 25, 100198.	1.2	3
6	The interplay between phyllosilicates fabric and mechanical response of deep-seated landslides. The case of El Forn de Canillo landslide (Andorra). <i>Landslides</i> , 2021, 18, 145-160.	2.7	3
7	A blended transient/quasistatic Lagrangian framework for salt tectonics simulations with stabilized tetrahedral finite elements. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 3489-3524.	1.5	2
8	Influence of dissolution on long-term frictional properties of carbonate fault gouge. <i>Geomechanics for Energy and the Environment</i> , 2021, 26, 100234.	1.2	5
9	Strain localization regularization and patterns formation in rate-dependent plastic materials with multiphysics coupling. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 152, 104422.	2.3	9
10	Automatically adaptive stabilized finite elements and continuation analysis for compaction banding in geomaterials. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 6234-6252.	1.5	7
11	Predicting the yield strength of a 3D printed porous material from its internal geometry. <i>Additive Manufacturing</i> , 2021, 44, 102061.	1.7	4
12	Continuous assessment of landslides by measuring their basal temperature. <i>Landslides</i> , 2021, 18, 3953-3961.	2.7	12
13	Influence of stress field anisotropy on drilling-induced tensile fracture. <i>Environmental Geotechnics</i> , 2020, 7, 373-379.	1.3	3
14	A heuristic model inversion for coupled thermo-hydro-mechanical modelling of triaxial experiments. <i>Computers and Geotechnics</i> , 2020, 117, 103278.	2.3	4
15	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.	1.2	9
16	Permeability Hysteresis From Microchannels Opening During Dissolution/Reprecipitation Cycle. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088674.	1.5	6
17	On the Stability of Deep-seated Landslides. The Cases of Vaiont (Italy) and Shuping (Three Gorges Dam,) <i>Tj ETQq</i> 1.0 0.784314 rgBT	1.0	23
18	Weak phases production and heat generation control fault friction during seismic slip. <i>Nature Communications</i> , 2020, 11, 350.	5.8	27

#	ARTICLE	IF	CITATIONS
19	Three-scale multiphysics finite element framework (FE3) modelling fault reactivation. Computer Methods in Applied Mechanics and Engineering, 2020, 365, 112988.	3.4	20
20	Fault reactivation during fluid production, modelled as a multi-physics multi-scale instability. E3S Web of Conferences, 2020, 205, 03002.	0.2	0
21	The importance of Thermo-Hydro-Mechanical couplings and microstructure to strain localization in 3D continua with application to seismic faults. Part II: Numerical implementation and post-bifurcation analysis. Journal of the Mechanics and Physics of Solids, 2018, 115, 1-29.	2.3	37
22	The dynamics of multiscale, multiphysics faults: Part II - Episodic stick-slip can turn the jelly sandwich into a crÄme brÄle. Tectonophysics, 2018, 746, 659-668.	0.9	2
23	The dynamics of multiscale, multiphysics faults: Part I - The long-term behaviour of the lithosphere. Tectonophysics, 2018, 746, 648-658.	0.9	4
24	Leveraging Supercritical CO2 to Rejuvenate Hydraulically Fractured Wells in Unconventional Reservoirs. , 2018, , .		1
25	Next Generation Reservoir Engineering. ASEG Extended Abstracts, 2018, 2018, 1-5.	0.1	0
26	Numerical Analysis of Strain Localization in Rocks with Thermo-hydro-mechanical Couplings Using Cosserat Continuum. Rock Mechanics and Rock Engineering, 2018, 51, 3295-3311.	2.6	26
27	Episodic mineralising fluid injection through chemical shear zones. ASEG Extended Abstracts, 2018, 2018, 1-5.	0.1	1
28	Multi-Physics Modelling of Fault Mechanics Using REDBACK: A Parallel Open-Source Simulator for Tightly Coupled Problems. Rock Mechanics and Rock Engineering, 2017, 50, 733-749.	2.6	42
29	A Framework for Fracture Network Formation in Overpressurised Impermeable Shale: Deformability Versus Diagenesis. Rock Mechanics and Rock Engineering, 2017, 50, 689-703.	2.6	27
30	Localisation of Deformation for Shearing of a Fault Gouge with Cosserat Microstructure and Different Couplings. Springer Series in Geomechanics and Geoengineering, 2017, , 155-160.	0.0	2
31	The Effect of Rotational and Isotropic Hardening on the Onset of Compaction Bands. Springer Series in Geomechanics and Geoengineering, 2017, , 147-153.	0.0	0
32	Zebra rocks: compaction waves create ore deposits. Scientific Reports, 2017, 7, 14260.	1.6	38
33	Modelling fluid-microstructure interaction on elasto-visco-plastic digital rocks. Geomechanics for Energy and the Environment, 2017, 12, 1-13.	1.2	22
34	The Role of Temperature in Shear Instability and Bifurcation of Internally Pressurized Deep Boreholes. Rock Mechanics and Rock Engineering, 2017, 50, 3003-3017.	2.6	11
35	Thermo-Hydro-Mechanics in Shear Fracturing in Geothermal Reservoirs. Springer Series in Geomechanics and Geoengineering, 2017, , 327-333.	0.0	1
36	An Inversion Framework for Numerical Modelling of Pore Collapse in Soft Porous Rocks. Springer Series in Geomechanics and Geoengineering, 2017, , 319-325.	0.0	0

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37	Framework for Multiscale Flow Simulation of Deformable Rocks. Springer Series in Geomechanics and Geoengineering, 2017, , 475-480.	0.0	0
38	Bifurcation Criteria for Strain Localization in Multiphysical Systems. Springer Series in Geomechanics and Geoengineering, 2017, , 201-206.	0.0	0
39	Analysis of Dynamics in Multiphysics Modelling of Active Faults. Mathematics, 2016, 4, 57.	1.1	3
40	Next Generation Resource Discovery linking Geophysical Sensing, Modelling and Interpretation. ASEG Extended Abstracts, 2016, 2016, 1-5.	0.1	0
41	A novel wave-mechanics approach for fluid flow in unconventional resources. The Leading Edge, 2016, 35, 90-97.	0.4	10
42	Conditions for the localisation of plastic deformation in temperature sensitive viscoplastic materials. Journal of Mechanics of Materials and Structures, 2016, 11, 113-136.	0.4	16
43	Total Porosity of Tight Rocks: A Welcome to the Heat Transfer Technique. Energy & Fuels, 2016, 30, 10072-10079.	2.5	27
44	A viscoplastic approach for pore collapse in saturated soft rocks using REDBACK: An open-source parallel simulator for Rock mEchanics with Dissipative feedBACKs. Computers and Geotechnics, 2016, 74, 211-221.	2.3	44
45	Boudinage and folding as an energy instability in ductile deformation. Journal of Geophysical Research: Solid Earth, 2016, 121, 3996-4013.	1.4	8
46	Multiscale, multiphysics geomechanics for geodynamics applied to buckling instabilities in the middle of the Australian craton. Philosophical Magazine, 2015, 95, 3055-3077.	0.7	8
47	Boudinage as a material instability of elasto-visco-plastic rocks. Journal of Structural Geology, 2015, 78, 86-102.	1.0	20
48	Deep geothermal: The "Moon Landing"™ mission in the unconventional energy and minerals space. Journal of Earth Science (Wuhan, China), 2015, 26, 2-10.	1.1	13
49	Modelling the Complexity of Continental Breakup and Basin Formation Including the Role of Magmatism. , 2015, , .		0
50	Geomechanical Instabilities In Diagenetically Altered Unconventional Reservoirs Enhance Fluid Pressure And Production.. , 2015, , .		0
51	REDBACK: An Open-Source Highly Scalable Geomechanical Modeling Simulator. , 2015, , .		0
52	Modeling episodic fluidâ€release events in the ductile carbonates of the Glarus thrust. Geophysical Research Letters, 2014, 41, 7121-7128.	1.5	43
53	Entropic Bounds for Multi-Scale and Multi-Physics Coupling in Earth Sciences. Understanding Complex Systems, 2014, , 323-335.	0.3	5
54	Failure in shear bands for granular materials: thermo-hydro-chemo-mechanical effects. Geotechnique Letters, 2013, 3, 31-36.	0.6	40

#	ARTICLE	IF	CITATIONS
55	Multiscale coupling and multiphysics approaches in earth sciences: Theory. Journal of Coupled Systems and Multiscale Dynamics, 2013, 1, 49-73.	0.2	42
56	Multiscale coupling and multiphysics approaches in earth sciences: Applications. Journal of Coupled Systems and Multiscale Dynamics, 2013, 1, 281-323.	0.2	34