

Lynn Evans

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

657
citations

623734

14
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

496
citing authors

#	ARTICLE	IF	CITATIONS
1	Elle: the numerical simulation of metamorphic and deformation microstructures. <i>Computers and Geosciences</i> , 2001, 27, 17-30.	4.2	99
2	A tale of two viscosities. <i>Journal of Structural Geology</i> , 2009, 31, 719-736.	2.3	75
3	Numerical modelling of porphyroclast and porphyroblast rotation in anisotropic rocks. <i>Tectonophysics</i> , 2013, 587, 4-29.	2.2	61
4	Single layer folding in simple shear. <i>Journal of Structural Geology</i> , 2013, 50, 209-220.	2.3	47
5	Strain localization and porphyroclast rotation. <i>Geology</i> , 2011, 39, 275-278.	4.4	43
6	A new type of numerical experiment on the spatial and temporal patterns of localization of deformation in a material with a coupling of grain size and rheology. <i>Earth and Planetary Science Letters</i> , 2005, 239, 309-326.	4.4	40
7	Full-field predictions of ice dynamic recrystallisation under simple shear conditions. <i>Earth and Planetary Science Letters</i> , 2016, 450, 233-242.	4.4	38
8	Dynamic recrystallisation of ice aggregates during co-axial viscoplastic deformation: a numerical approach. <i>Journal of Glaciology</i> , 2016, 62, 359-377.	2.2	36
9	Strain and vorticity analysis using small-scale faults and associated drag folds. <i>Journal of Structural Geology</i> , 2007, 29, 1882-1899.	2.3	33
10	Patterns of strain localization in heterogeneous, polycrystalline rocks – a numerical perspective. <i>Earth and Planetary Science Letters</i> , 2017, 463, 253-265.	4.4	28
11	Modeling the influence of horizontal advection, deformation, and late uplift on the drainage development in the India-Asia collision zone. <i>Tectonics</i> , 2008, 27, .	2.8	26
12	Extension during continental convergence in the Eastern Alps: The influence of orogen-scale strike-slip faults. <i>Geology</i> , 2008, 36, 963.	4.4	25
13	Competition between grain growth and grain-size reduction in polar ice. <i>Journal of Glaciology</i> , 2011, 57, 942-948.	2.2	23
14	Intracontinental Orogeny Enhanced by Far-Field Extension and Local Weak Crust. <i>Tectonics</i> , 2018, 37, 4421-4443.	2.8	19
15	Modeling of anisotropic grain growth in minerals. , 2001, , .		13
16	Time for anisotropy: The significance of mechanical anisotropy for the development of deformation structures. <i>Journal of Structural Geology</i> , 2019, 125, 41-47.	2.3	12
17	Shear localisation in anisotropic, non-linear viscous materials that develop a CPO: A numerical study. <i>Journal of Structural Geology</i> , 2019, 124, 81-90.	2.3	11
18	Strain localization by shear heating and the development of lithospheric shear zones. <i>Tectonophysics</i> , 2019, 764, 62-76.	2.2	7

#	ARTICLE	IF	CITATIONS
19	Modelling of porphyroclasts in simple shear and the role of stress variations at grain boundaries. <i>Journal of Structural Geology</i> , 2009, 31, 1350-1364.	2.3	6
20	Substructure Dynamics in Crystalline Materials: New Insight from <i>In Situ</i> Experiments, Detailed EBSD Analysis of Experimental and Natural Samples and Numerical Modelling. <i>Materials Science Forum</i> , 2012, 715-716, 502-507.	0.3	6
21	Carbonado revisited: Insights from neutron diffraction, high resolution orientation mapping and numerical simulations. <i>Lithos</i> , 2016, 265, 244-256.	1.4	6
22	Ductile Deformation Without Localization: Insights From Numerical Modeling. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 5710-5726.	2.5	3