

Auke Barnhoorn

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

933
citations

567281

15
h-index

677142

22
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43
all docs

43
docs citations

43
times ranked

1268
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of recrystallisation on the deformation behaviour of calcite rocks: large strain torsion experiments on Carrara marble. <i>Journal of Structural Geology</i> , 2004, 26, 885-903.	2.3	153
2	Dissolution-reprecipitation of zircon at low-temperature, high-pressure conditions (Lanzo Massif, Italy). <i>Journal of Metamorphic Geology</i> , 2004, 22, 101-114.	1.9	144
3	P-wave velocity relation of MgO derived by simultaneous elastic wave velocity and in situ X-ray measurements: A new pressure scale for the mantle transition region. <i>Physics of the Earth and Planetary Interiors</i> , 2010, 183, 196-211.	1.9	113
4	Glacial isostatic adjustment model with composite 3-D Earth rheology for Fennoscandia. <i>Geophysical Journal International</i> , 2013, 194, 61-77.	2.4	69
5	Porosity, permeability and 3D fracture network characterisation of dolomite reservoir rock samples. <i>Journal of Petroleum Science and Engineering</i> , 2015, 127, 270-285.	4.2	62
6	Strain localisation in biminerale rocks: Experimental deformation of synthetic calcite-anhydrite aggregates. <i>Earth and Planetary Science Letters</i> , 2005, 240, 748-763.	4.4	49
7	Late Cretaceous extensional denudation along a marble detachment fault zone in the Köprülü Valley near Kaman, central Turkey. <i>Journal of Structural Geology</i> , 2011, 33, 1220-1236.	2.3	48
8	Post-deformational annealing of calcite rocks. <i>Tectonophysics</i> , 2005, 403, 167-191.	2.2	47
9	Strain dependent variation of microstructure and texture in naturally deformed Carrara marble. <i>Journal of Structural Geology</i> , 2007, 29, 681-696.	2.3	44
10	Stress- and fluid-driven failure during fracture array growth: Implications for coupled deformation and fluid flow in the crust. <i>Geology</i> , 2010, 38, 779-782.	4.4	36
11	Dislocation recovery in fine-grained polycrystalline olivine. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 363-377.	0.8	34
12	Mineral Alteration and Fracture Influence on the Elastic Properties of Volcaniclastic Rocks. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4576-4600.	3.4	26
13	Upper mantle viscosity and lithospheric thickness under Iceland. <i>Journal of Geodynamics</i> , 2011, 52, 260-270.	1.6	19
14	Experimental identification of the transition from elasticity to inelasticity from ultrasonic attenuation analyses. <i>Geophysics</i> , 2018, 83, MR221-MR229.	2.6	19
15	Determining Individual Particle Magnetizations in Assemblages of Micrograins. <i>Geophysical Research Letters</i> , 2018, 45, 2995-3000.	4.0	17
16	Dynamic Recrystallization Can Produce Porosity in Shear Zones. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086172.	4.0	12
17	Impact of water saturation on the elastic anisotropy of the Whitby Mudstone, United Kingdom. <i>Geophysics</i> , 2020, 85, MR57-MR72.	2.6	11
18	An Advanced Discrete Fracture Methodology for Fast, Robust, and Accurate Simulation of Energy Production From Complex Fracture Networks. <i>Water Resources Research</i> , 2022, 58, .	4.2	9

#	ARTICLE	IF	CITATIONS
19	The Stress-Memory Effect of Fracture Stiffness During Cyclic Loading in Low-Permeability Sandstone. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021469.	3.4	6
20	Experimental evidence that viscous shear zones generate periodic pore sheets. Solid Earth, 2021, 12, 405-420.	2.8	5
21	Micromagnetic Tomography for Paleomagnetism and Rock-Magnetism. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022364.	3.4	5
22	Ultrasonic Imaging of the Onset and Growth of Fractures Within Partially Saturated Whitby Mudstone Using Coda Wave Decorrelation Inversion. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020042.	3.4	1