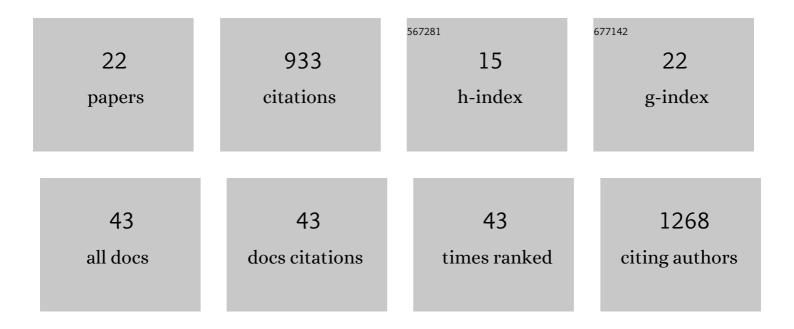
## Auke Barnhoorn

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3867751/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	The role of recrystallisation on the deformation behaviour of calcite rocks: large strain torsion experiments on Carrara marble. Journal of Structural Geology, 2004, 26, 885-903.	2.3	153

Dissolution-reprecipitation of zircon at low-temperature, high-pressure conditions (Lanzo Massif,) Tj ETQq0 0 0 rgBT. $\frac{10}{144}$  Overlock 10 Tf 50

3	Pâ¿¢Vâ¿¢T relation of MgO derived by simultaneous elastic wave velocity and in situ X-ray measurements: A new pressure scale for the mantle transition region. Physics of the Earth and Planetary Interiors, 2010, 183, 196-211.	1.9	113
4	Glacial isostatic adjustment model with composite 3-D Earth rheology for Fennoscandia. Geophysical Journal International, 2013, 194, 61-77.	2.4	69
5	Porosity, permeability and 3D fracture network characterisation of dolomite reservoir rock samples. Journal of Petroleum Science and Engineering, 2015, 127, 270-285.	4.2	62
6	Strain localisation in bimineralic rocks: Experimental deformation of synthetic calcite–anhydrite aggregates. Earth and Planetary Science Letters, 2005, 240, 748-763.	4.4	49
7	Late Cretaceous extensional denudation along a marble detachment fault zone in the Kırşehir massif near Kaman, central Turkey. Journal of Structural Geology, 2011, 33, 1220-1236.	2.3	48
8	Post-deformational annealing of calcite rocks. Tectonophysics, 2005, 403, 167-191.	2.2	47
9	Strain dependent variation of microstructure and texture in naturally deformed Carrara marble. Journal of Structural Geology, 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. Geology, 2010, 38, 779-782.	4.4	36
11	Dislocation recovery in fine-grained polycrystalline olivine. Physics and Chemistry of Minerals, 2011, 38, 363-377.	0.8	34
12	Mineral Alteration and Fracture Influence on the Elastic Properties of Volcaniclastic Rocks. Journal of Geophysical Research: Solid Earth, 2019, 124, 4576-4600.	3.4	26
13	Upper mantle viscosity and lithospheric thickness under Iceland. Journal of Geodynamics, 2011, 52, 260-270.	1.6	19
14	Experimental identification of the transition from elasticity to inelasticity from ultrasonic attenuation analyses. Geophysics, 2018, 83, MR221-MR229.	2.6	19
15	Determining Individual Particle Magnetizations in Assemblages of Micrograins. Geophysical Research Letters, 2018, 45, 2995-3000.	4.0	17
16	Dynamic Recrystallization Can Produce Porosity in Shear Zones. Geophysical Research Letters, 2020, 47, e2019GL086172.	4.0	12
17	Impact of water saturation on the elastic anisotropy of the Whitby Mudstone, United Kingdom. Geophysics, 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. Water Resources Research, 2022, 58, .	4.2	9

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#	Article	IF	CITATIONS
19	The Stressâ€Memory Effect of Fracture Stiffness During Cyclic Loading in Lowâ€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 Rockâ€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