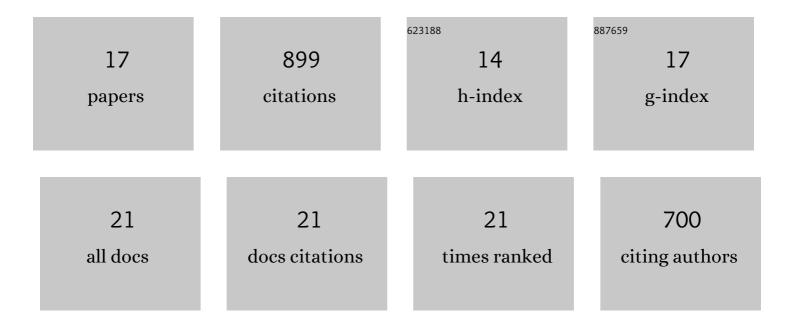
Berend A Verberne

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Frictional Properties and Microstructure of Calcite-Rich Fault Gouges Sheared at Sub-Seismic Sliding Velocities. Pure and Applied Geophysics, 2014, 171, 2617-2640.	0.8	139
2	Superplastic nanofibrous slip zones control seismogenic fault friction. Science, 2014, 346, 1342-1344.	6.0	109
3	Frictional Properties of Sedimentary Rocks and Natural Fault Gouge from the Longmen Shan Fault Zone, Sichuan, China. Bulletin of the Seismological Society of America, 2010, 100, 2767-2790.	1.1	107
4	Mechanical behavior and microstructure of simulated calcite fault gouge sheared at 20–600°C: Implications for natural faults in limestones. Journal of Geophysical Research: Solid Earth, 2015, 120, 8169-8196.	1.4	78
5	Nanocrystalline slip zones in calcite fault gouge show intense crystallographic preferred orientation: Crystal plasticity at sub-seismic slip rates at 18–150 °C. Geology, 2013, 41, 863-866.	2.0	67
6	Effects of healing on the seismogenic potential of carbonate fault rocks: Experiments on samples from the Longmenshan Fault, Sichuan, China. Journal of Geophysical Research: Solid Earth, 2015, 120, 5479-5506.	1.4	63
7	Brittle and semibrittle creep of Tavel limestone deformed at room temperature. Journal of Geophysical Research: Solid Earth, 2017, 122, 4436-4459.	1.4	61
8	Interseismic re-strengthening and stabilization of carbonate faults by "non-Dieterich―healing under hydrothermal conditions. Earth and Planetary Science Letters, 2015, 423, 1-12.	1.8	58
9	Frictional Properties of Simulated Chlorite Gouge at Hydrothermal Conditions: Implications for Subduction Megathrusts. Journal of Geophysical Research: Solid Earth, 2019, 124, 4545-4565.	1.4	43
10	Deformation Behavior of Sandstones From the Seismogenic Groningen Gas Field: Role of Inelastic Versus Elastic Mechanisms. Journal of Geophysical Research: Solid Earth, 2018, 123, 5532-5558.	1.4	40
11	Inelastic Deformation of the Slochteren Sandstone: Stressâ€Strain Relations and Implications for Induced Seismicity in the Groningen Gas Field. Journal of Geophysical Research: Solid Earth, 2019, 124, 5254-5282.	1.4	39
12	Microscale cavitation as a mechanism for nucleating earthquakes at the base of the seismogenic zone. Nature Communications, 2017, 8, 1645.	5.8	23
13	Frictional properties of actinolite-chlorite gouge at hydrothermal conditions. Tectonophysics, 2020, 779, 228377.	0.9	17
14	Nanocrystalline Principal Slip Zones and Their Role in Controlling Crustal Fault Rheology. Minerals (Basel, Switzerland), 2019, 9, 328.	0.8	16
15	The physics of fault friction: insights from experiments on simulated gouges at low shearing velocities. Solid Earth, 2020, 11, 2075-2095.	1.2	14
16	Intergranular Clay Films Control Inelastic Deformation in the Groningen Gas Reservoir: Evidence From Split ylinder Deformation Tests. Journal of Geophysical Research: Solid Earth, 2019, 124, 12679-12702.	1.4	13
17	Flowâ€ŧoâ€Friction Transition in Simulated Calcite Gouge: Experiments and Microphysical Modeling. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019970.	1.4	11