AgnÃ¨s Helmstetter

List of Publications by Year
in descending order

47 papers	2,911 citations	201575 27 h-index	214721 47 g-index
48 all docs	48 docs citations	48 times ranked	2055 citing authors

#	Article	IF	Citations
1	Timing, volume and precursory indicators of rock‑and cliff fall on a permafrost mountain ridge (Mattertal, Switzerland). Earth Surface Processes and Landforms, 2022, 47, 1532-1549.	1.2	9
2	Modal sensitivity of rock glaciers to elastic changes from spectral seismic noise monitoring and modeling. Cryosphere, 2021, 15, 501-529.	1.5	3
3	Unprecedented seismic swarm in the Maurienne valley (2017–2019) observed by the SISmalp Alpine seismic network: operational monitoring and management. Comptes Rendus - Geoscience, 2021, 353, 517-534.	0.4	3
4	Seismic monitoring in the Gugla rock glacier (Switzerland): ambient noise correlation, microseismicity and modelling. Geophysical Journal International, 2020, 221, 1719-1735.	1.0	17
5	Earthquake risk in reinforced concrete buildings during aftershock sequences based on period elongation and operational earthquake forecasting. Structural Safety, 2020, 84, 101922.	2.8	22
6	Sea Ice Thickness and Elastic Properties From the Analysis of Multimodal Guided Wave Propagation Measured With a Passive Seismic Array. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015709.	1.0	19
7	Seismic Analysis of the Detachment and Impact Phases of a Rockfall and Application for Estimating Rockfall Volume and Free‑Fall Height. Journal of Geophysical Research F: Earth Surface, 2019, 124, 2602-2622.	1.0	20
8	Fluid‑Induced Swarms and Coseismic Stress Transfer: A Dual Process Highlighted in the Aftershock Sequence of the 7 April 2014 Earthquake (Ml 4.8, Ubaye, France). Journal of Geophysical Research: Solid Earth, 2019, 124, 3918-3932.	1.4	33
9	Towards a standard typology of endogenous landslide seismic sources. Earth Surface Dynamics, 2018, 6, 1059-1088.	1.0	35
10	The Forecasting Skill of Physics‑Based Seismicity Models during the 2010–2012 Canterbury, New Zealand, Earthquake Sequence. Seismological Research Letters, 2018, 89, 1238-1250.	0.8	47
11	Automatic approach for increasing the location accuracy of slow-moving landslide endogenous seismicity: the APOLoc method. Geophysical Journal International, 2018, 215, 1455-1473.	1.0	5
12	Monitoring rock reinforcement works with ambient vibrations: La Bourne case study (Vercors,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	2.9	38
13	Probabilistic Seismic‑Hazard Assessment for Eritrea. Bulletin of the Seismological Society of America, 2017, 107, 1478-1494.	1.1	17
14	How variable is the number of triggered aftershocks?. Journal of Geophysical Research: Solid Earth, 2017, 122, 5544-5560.	1.4	29
15	Background seismicity in Boso Peninsula, Japan: Long‑term acceleration, and relationship with slow slip events. Geophysical Research Letters, 2016, 43, 5671-5679.	1.5	20
16	Tensor decomposition exploiting diversity of propagation velocities: Application to localization of icequake events. Signal Processing, 2016, 118, 75-88.	2.1	13
17	Detection and characterization of transient forcing episodes affecting earthquake activity in the Aleutian Arc system. Earth and Planetary Science Letters, 2015, 412, 25-34.	1.8	30
18	Coherence between geodetic and seismic deformation in a context of slow tectonic activity (SW Alps,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	21

#	Article	IF	Citations
19	Seismic and mechanical studies of the artificially triggered rockfall at Mount Néron (French Alps,) Tj ETQq1 1 0.784314 rgBT /Overl...	1.5	22
20	Testing probabilistic seismic hazard estimates against accelerometric data in two countries: France and Turkey. Geophysical Journal International, 2014, 198, 1554-1571.	1.0	24
21	Foreshock activity related to enhanced aftershock production. Geophysical Research Letters, 2014, 41, 6652-6658.	1.5	20
22	Adaptive Smoothing of Seismicity in Time, Space, and Magnitude for Time-Dependent Earthquake Forecasts for California. Bulletin of the Seismological Society of America, 2014, 104, 809-822.	1.1	26
23	Monitoring Aseismic Forcing in Fault Zones Using Earthquake Time Series. Bulletin of the Seismological Society of America, 2013, 103, 169-179.	1.1	53
24	Seismic monitoring of soft-rock landslides: the Super-Sauze and Valoria case studies. Geophysical Journal International, 2013, 193, 1515-1536.	1.0	39
25	Slow slip and aseismic deformation episodes associated with the subducting Pacific plate offshore Japan, revealed by changes in seismicity. Journal of Geophysical Research: Solid Earth, 2013, 118, 4900-4909.	1.4	25
26	Adaptive Spatiotemporal Smoothing of Seismicity for Long-Term Earthquake Forecasts in California. Bulletin of the Seismological Society of America, 2012, 102, 2518-2529.	1.1	22
27	Changes in effective stress during the 2003–2004 Ubaye seismic swarm, France. Journal of Geophysical Research, 2011, 116, .	3.3	43
28	Location of Seismic Signals Associated with Microearthquakes and Rockfalls on the Sechilienne Landslide, French Alps. Bulletin of the Seismological Society of America, 2011, 101, 341-353.	1.1	65
29	High-Resolution Long-Term and Short-Term Earthquake Forecasts for California. Bulletin of the Seismological Society of America, 2011, 101, 1630-1648.	1.1	104
30	Seismic monitoring of Séchilienne rockslide (French Alps): Analysis of seismic signals and their correlation with rainfalls. Journal of Geophysical Research, 2010, 115, .	3.3	174
31	High-resolution Time-independent Grid-based Forecast for M >= 5 Earthquakes in California. Seismological Research Letters, 2007, 78, 78-86.	0.8	121
32	Comparison of Short-Term and Time-Independent Earthquake Forecast Models for Southern California. Bulletin of the Seismological Society of America, 2006, 96, 90-106.	1.1	261
33	Andrade and critical time-to-failure laws in fiber-matrix composites: Experiments and model. Journal of the Mechanics and Physics of Solids, 2005, 53, 1099-1127.	2.3	67
34	Power-law Distributions of Offspring and Generation Numbers in Branching Models of Earthquake Triggering. Pure and Applied Geophysics, 2005, 162, 1113-1134.	0.8	69
35	Importance of small earthquakes for stress transfers and earthquake triggering. Journal of Geophysical Research, 2005, 110, .	3.3	207
36	Properties of foreshocks and aftershocks of the nonconservative self-organized critical Olami-Feder-Christensen model. Physical Review E, 2004, 70, 046120.	0.8	60

#	Article	IF	Citations
37	Towards landslide predictions: two case studies. Physica A: Statistical Mechanics and Its Applications, 2004, 338, 605-632.	1.2	65
38	Slider block friction model for landslides: Application to Vaiont and La Clapière landslides. Journal of Geophysical Research, 2004, 109, .	3.3	106
39	Endogenous versus exogenous shocks in systems with memory. Physica A: Statistical Mechanics and Its Applications, 2003, 318, 577-591.	1.2	77
40	Mainshocks are aftershocks of conditional foreshocks: How do foreshock statistical properties emerge from aftershock laws. Journal of Geophysical Research, 2003, 108, .	3.3	158
41	Importance of direct and indirect triggered seismicity in the ETAS model of seismicity. Geophysical Research Letters, 2003, 30, .	1.5	100
42	Båth's law derived from the Gutenberg–Richter law and from aftershock properties. Geophysical Research Letters, 2003, 30, .	1.5	143
43	Foreshocks explained by cascades of triggered seismicity. Journal of Geophysical Research, 2003, 108, .	3.3	163
44	Are aftershocks of large Californian earthquakes diffusing?. Journal of Geophysical Research, 2003, 108, .	3.3	69
45	Statistical analysis of rockfall volume distributions: Implications for rockfall dynamics. Journal of Geophysical Research, 2003, 108, .	3.3	171
46	Occurrence of Finite-Time Singularities in Epidemic Models of Rupture, Earthquakes, and Starquakes. Physical Review Letters, 2002, 89, 158501.	2.9	74
47	Analysis of the spatio–temporal evolution of the Maurienne swarm (French Alps) based on earthquake clustering. Earth and Space Science, 0, , .	1.1	1