

Henriette Sudhaus

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

688
citations

567281

15
h-index

752698

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22
all docs

22
docs citations

22
times ranked

956
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved source modelling through combined use of InSAR and GPS under consideration of correlated data errors: application to the June 2000 Kleifarvatn earthquake, Iceland. <i>Geophysical Journal International</i> , 2009, 176, 389-404.	2.4	127
2	Thaw Subsidence of a Yedoma Landscape in Northern Siberia, Measured In Situ and Estimated from TerraSAR-X Interferometry. <i>Remote Sensing</i> , 2018, 10, 494.	4.0	69
3	Satellite radar data reveal short-term pre-explosive displacements and a complex conduit system at Volc��n de Colima, Mexico. <i>Frontiers in Earth Science</i> , 2014, 2, .	1.8	51
4	Source model for the 1997 Zirkuh earthquake (MW= 7.2) in Iran derived from JERS and ERS InSAR observations. <i>Geophysical Journal International</i> , 2011, 185, 676-692.	2.4	47
5	Back-propagating supershear rupture in the 2016 Mw 7.1 Romanche transform fault earthquake. <i>Nature Geoscience</i> , 2020, 13, 647-653.	12.9	46
6	A Python framework for efficient use of pre-computed Green's functions in seismological and other physical forward and inverse source problems. <i>Solid Earth</i> , 2019, 10, 1921-1935.	2.8	45
7	Strain Partitioning and Present��Day Fault Kinematics in NW Tibet From Envisat SAR Interferometry. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2462-2483.	3.4	44
8	The Bayesian Earthquake Analysis Tool. <i>Seismological Research Letters</i> , 2020, 91, 1003-1018.	1.9	41
9	The 2015 M _{7.2} Sarez Strike��Slip Earthquake in the Pamir Interior: Response to the Underthrusting of India's Western Promontory. <i>Tectonics</i> , 2017, 36, 2407-2421.	2.8	34
10	Effects of Host-rock Fracturing on Elastic-deformation Source Models of Volcano Deflation. <i>Scientific Reports</i> , 2017, 7, 10970.	3.3	30
11	Interseismic and Postseismic Shallow Creep of the North Qaidam Thrust Faults Detected with a Multitemporal InSAR Analysis. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 7259-7279.	3.4	30
12	Strain partitioning at the eastern Pamir-Alai revealed through SAR data analysis of the 2008 Nura earthquake. <i>Geophysical Journal International</i> , 2014, 198, 760-774.	2.4	29
13	Repeated large��magnitude earthquakes in a tectonically active, low��strain continental interior: The northern Tien Shan, Kyrgyzstan. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 3888-3910.	3.4	24
14	Fault Geometry and Slip Distribution at Depth of the 1997 Mw 7.2 Zirkuh Earthquake: Contribution of Near��Field Displacement Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 1904-1924.	3.4	23
15	An active ring fault detected at Tendr��rek volcano by using InSAR. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 4488-4502.	3.4	18
16	Illuminating the Spatio-Temporal Evolution of the 2008��2009 Qaidam Earthquake Sequence with the Joint Use of InSAR Time Series and Teleseismic Data. <i>Remote Sensing</i> , 2020, 12, 2850.	4.0	12
17	Sensitivity of InSAR and teleseismic observations to earthquake rupture segmentation. <i>Geophysical Journal International</i> , 2020, 223, 875-907.	2.4	8
18	Characterization of small local noise sources with array seismology. <i>Near Surface Geophysics</i> , 2007, 5, 253-261.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Broadband frequency-dependent amplification of seismic waves across Bucharest, Romania. <i>Journal of Seismology</i> , 2009, 13, 479-497.	1.3	3
20	Insight into the 2017â€“2019 Lurestan arc seismic sequence (Zagros, Iran); complex earthquake interaction in the basement and sediments. <i>Geophysical Journal International</i> , 2022, 230, 114-130.	2.4	3