

Tobias Diehl

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,290
citations

394421

19
h-index

414414

32
g-index

53
all docs

53
docs citations

53
times ranked

1547
citing authors

#	ARTICLE	IF	CITATIONS
1	The Saint-Ursanne earthquakes of 2000 revisited: evidence for active shallow thrust-faulting in the Jura fold-and-thrust belt. <i>Swiss Journal of Geosciences</i> , 2022, 115, .	1.2	5
2	Which Picker Fits My Data? A Quantitative Evaluation of Deep Learning Based Seismic Pickers. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	66
3	SeisBench – A Toolbox for Machine Learning in Seismology. <i>Seismological Research Letters</i> , 2022, 93, 1695-1709.	1.9	32
4	Monitoring microseismicity of the Hengill Geothermal Field in Iceland. <i>Scientific Data</i> , 2022, 9, 220.	5.3	9
5	The AlpArray Research Seismicity-Catalogue. <i>Geophysical Journal International</i> , 2022, 231, 921-943.	2.4	4
6	Earthquakes in Switzerland and surrounding regions during 2017 and 2018. <i>Swiss Journal of Geosciences</i> , 2021, 114, .	1.2	17
7	Orogen – Parallel Migration of Exhumation in the Eastern Aar Massif Revealed by Low – Thermochronometry. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020799.	3.4	6
8	Possible Precursory Slow – Slip to Two $M_L \approx 1/3$ Mainevents of the Diemtigen Microearthquake Sequence, Switzerland. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093783.	4.0	7
9	Improving Absolute Hypocenter Accuracy With 3D Pg and Sg Body – Wave Inversion Procedures and Application to Earthquakes in the Central Alps Region. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022155.	3.4	13
10	Direct observations of a three million cubic meter rock-slope collapse with almost immediate initiation of ensuing debris flows. <i>Geomorphology</i> , 2020, 351, 106933.	2.6	100
11	Hydromechanical Modeling of Fault Reactivation in the St. Gallen Deep Geothermal Project (Switzerland): Poroelasticity or Hydraulic Connection?. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085201.	4.0	15
12	Potential influence of overpressurized gas on the induced seismicity in the St. Gallen deep geothermal project (Switzerland). <i>Solid Earth</i> , 2020, 11, 909-933.	2.8	6
13	Earthquakes in Switzerland and surrounding regions during 2015 and 2016. <i>Swiss Journal of Geosciences</i> , 2018, 111, 221-244.	1.2	22
14	Seismicity at Lusi and the adjacent volcanic complex, Java, Indonesia. <i>Marine and Petroleum Geology</i> , 2018, 90, 149-156.	3.3	12
15	Ivrea mantle wedge, arc of the Western Alps, and kinematic evolution of the Alps – Apennines orogenic system. <i>Swiss Journal of Geosciences</i> , 2017, 110, 581-612.	1.2	119
16	Seismotectonics of Bhutan: Evidence for segmentation of the Eastern Himalayas and link to foreland deformation. <i>Earth and Planetary Science Letters</i> , 2017, 471, 54-64.	4.4	60
17	The underthrusting Indian crust and its role in collision dynamics of the Eastern Himalaya in Bhutan: Insights from receiver function imaging. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 1152-1178.	3.4	51
18	The induced earthquake sequence related to the St. Gallen deep geothermal project (Switzerland): Fault reactivation and fluid interactions imaged by microseismicity. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 7272-7290.	3.4	81

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19	Earthquakes in Switzerland and surrounding regions during 2014. Swiss Journal of Geosciences, 2015, 108, 425-443.	1.2	24
20	Earthquakes in Switzerland and surrounding regions during 2013. Swiss Journal of Geosciences, 2014, 107, 359-375.	1.2	27
21	Alpine lithosphere slab rollback causing lower crustal seismicity in northern foreland. Earth and Planetary Science Letters, 2014, 397, 42-56.	4.4	49
22	Tomography from 26 years of seismicity revealing that the spatial extent of the Yellowstone crustal magma reservoir extends well beyond the Yellowstone caldera. Geophysical Research Letters, 2014, 41, 3068-3073.	4.0	123
23	Earthquakes in Switzerland and surrounding regions during 2012. Swiss Journal of Geosciences, 2013, 106, 543-558.	1.2	19
24	Backarc extension in the Andaman Sea: Tectonic and magmatic processes imaged by high-precision teleseismic double-difference earthquake relocation. Journal of Geophysical Research: Solid Earth, 2013, 118, 2206-2224.	3.4	32
25	The Mechanisms of Earthquakes and Faulting in the Southern Gulf of California. Bulletin of the Seismological Society of America, 2013, 103, 487-506.	2.3	40
26	Splay faults imaged by fluid-driven aftershocks of the 2004 Mw 9.2 Sumatra-Andaman earthquake. Geology, 2012, 40, 243-246.	4.4	47
27	Consistent phase picking for regional tomography models: application to the greater Alpine region. Geophysical Journal International, 2009, 176, 542-554.	2.4	67
28	High-resolution 3-D <i>P</i> -wave model of the Alpine crust. Geophysical Journal International, 2009, 179, 1133-1147.	2.4	79
29	Automatic S-Wave Picker for Local Earthquake Tomography. Bulletin of the Seismological Society of America, 2009, 99, 1906-1920.	2.3	97
30	The effects of data quality in local earthquake tomography: Application to the Alpine region. Geophysics, 2009, 74, WCB71-WCB79.	2.6	11
31	The crustal structure beneath SE Romania from teleseismic receiver functions. Geophysical Journal International, 2005, 163, 238-251.	2.4	22
32	Broadband Urban Seismology in the Bucharest Metropolitan Area. Seismological Research Letters, 2005, 76, 574-580.	1.9	16