

Martin Heesemann

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5687202/publications.pdf>

Version: 2024-02-01

27
papers

600
citations

687220

13
h-index

642610

23
g-index

29
all docs

29
docs citations

29
times ranked

932
citing authors

#	ARTICLE	IF	CITATIONS
1	Alteration of the subducting oceanic lithosphere at the southern central Chile trench – outer rise. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, .	1.0	72
2	Tidally controlled gas bubble emissions: A comprehensive study using long-term monitoring data from the NEPTUNE cabled observatory offshore Vancouver Island. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3797-3814.	1.0	69
3	Distributed natural gas venting offshore along the Cascadia margin. <i>Nature Communications</i> , 2018, 9, 3264.	5.8	55
4	Fluid flow through active mud dome Mound Culebra offshore Nicoya Peninsula, Costa Rica: evidence from heat flow surveying. <i>Marine Geology</i> , 2004, 207, 145-157.	0.9	48
5	Observation of the 2009 Samoa tsunami by the NEPTUNE-Canada cabled observatory: Test data for an operational regional tsunami forecast model. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	45
6	Estimating mud expulsion rates from temperature measurements on HÅ¥kon Mosby Mud Volcano, SW Barents Sea. <i>Marine Geology</i> , 2006, 229, 1-14.	0.9	43
7	Ocean Networks Canada: From Geohazards Research Laboratories to Smart Ocean Systems. <i>Oceanography</i> , 2014, 27, 151-153.	0.5	36
8	Evidence for episodic aseismic slip across the subduction seismogenic zone off Costa Rica: CORK borehole pressure observations at the subduction prism toe. <i>Earth and Planetary Science Letters</i> , 2011, 306, 299-305.	1.8	35
9	High-frequency observations from a deep-sea cabled observatory reveal seasonal overwintering of <i>Neocalanus</i> spp. in Barkley Canyon, NE Pacific: Insights into particulate organic carbon flux. <i>Progress in Oceanography</i> , 2018, 169, 120-137.	1.5	32
10	Geological storage of CO ₂ in sub-seafloor basalt: the CarbonSAFE pre-feasibility study offshore Washington State and British Columbia. <i>Energy Procedia</i> , 2018, 146, 158-165.	1.8	29
11	A Lack of Dynamic Triggering of Slow Slip and Tremor Indicates That the Shallow Cascadia Megathrust Offshore Vancouver Island Is Likely Locked. <i>Geophysical Research Letters</i> , 2018, 45, 11,095.	1.5	21
12	Continental microseismic intensity delineates oceanic upwelling timing along the west coast of North America. <i>Geophysical Research Letters</i> , 2014, 41, 6872-6880.	1.5	19
13	The SmartPlug and GeniusPlug: simple retrievable observatory systems for NanTroSEIZE borehole monitoring. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	14
14	Observations of long-duration episodic bottom currents in the Middle America Trench: Evidence for tidally initiated turbidity flows. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	13
15	The Importance of Marine Research Infrastructures in Capturing Processes and Impacts of Extreme Events. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	10
16	Ocean Observatories as a Tool to Advance Gas Hydrate Research. <i>Earth and Space Science</i> , 2019, 6, 2644-2652.	1.1	9
17	Thermal constraints on the frictional conditions of the nucleation and rupture area of the 1992 Nicaragua tsunami earthquake. <i>Geophysical Journal International</i> , 2009, 179, 1265-1278.	1.0	8
18	Seafloor tilt induced by ocean tidal loading inferred from broadband seismometer data from the Cascadia subduction zone and Juan de Fuca Ridge. <i>Earth and Planetary Science Letters</i> , 2017, 463, 243-252.	1.8	8

#	ARTICLE	IF	CITATIONS
19	APT: An Instrument for Monitoring Seafloor Acceleration, Pressure, and Temperature with Large Dynamic Range and Bandwidth. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 448-462.	1.1	6
20	A Long-Term Geothermal Observatory Across Subseafloor Gas Hydrates, IODP Hole U1364A, Cascadia Accretionary Prism. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	6
21	IODP Expedition 328: Early Results of Cascadia Subduction Zone ACORK Observatory. <i>Scientific Drilling</i> , 0, 13, 12-18.	1.0	6
22	Data Report: Long-Term Temperature Measurements in Holes 1253A and 1255A off Costa Rica, ODP Leg 205. , 0, , .		5
23	Resonant seismic and microseismic ground motion of the Cascadia subduction zone accretionary prism and implications for seismic velocity. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 993-1004.	1.4	4
24	Seismic Formation Fluid Pressure Observations Reveal High Anisotropy of Oceanic Crust. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	3
25	Variability of Marine Methane Bubble Emissions on the Clayoquot Slope, Offshore Vancouver Island, Between 2017 and 2021. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	1
26	Extending possibilities by leveraging OPeNDAP for remotely exchanging complex oceanographic data. , 2014, , .		0
27	Northern Cascadia Subduction Zone Observatory (NCSZO): an interdisciplinary research initiative to assess tsunami and earthquake hazard from the Cascadia megathrust. , 2019, , .		0