Norbert Kaul

List of Publications by Year
in descending order

37	1,085	516215 16	433756 31
papers	citations	h-index	g-index

41	41	41	1408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In situ fluxes and zonation of microbial activity in surface sediments of the HÃ¥kon Mosby Mud Volcano. Limnology and Oceanography, 2006, 51, 1315-1331.	1.6	198
2	Heat flow and bending-related faulting at subduction trenches: Case studies offshore of Nicaragua and Central Chile. Earth and Planetary Science Letters, 2005, 236, 238-248.	1.8	108
3	Methane hydrate accumulation in â€œMound 11â€•mud volcano, Costa Rica forearc. Marine Geology, 2005, 216, 83-100.	0.9	74
4	Comparison of measured and BSR-derived heat flow values, Makran accretionary prism, Pakistan. Marine Geology, 2000, 164, 37-51.	0.9	65
5	Hydrothermal heat flux through aged oceanic crust: where does the heat escape?. Earth and Planetary Science Letters, 2002, 202, 159-170.	1.8	62
6	Strike-slip faults mediate the rise of crustal-derived fluids and mud volcanism in the deep sea. Geology, 2015, 43, 339-342.	2.0	56
7	Hydrothermal activity and the evolution of the seismic properties of upper oceanic crust. Journal of Geophysical Research, 1999, 104, 5069-5079.	3.3	53
8	Eurasia spreading basin to Laptev Shelf transition: structural pattern and heat flow. Geophysical Journal International, 2003, 152, 688-698.	1.0	52
9	Fluid flow through active mud dome Mound Culebra offshore Nicoya Peninsula, Costa Rica: evidence from heat flow surveying. Marine Geology, 2004, 207, 145-157.	0.9	48
10	Estimating mud expulsion rates from temperature measurements on HÃ¥kon Mosby Mud Volcano, SW Barents Sea. Marine Geology, 2006, 229, 1-14.	0.9	43
11	Widespread seawater circulation in 18â€“22 Ma oceanic crust: Impact on heat flow and sediment geochemistry. Geology, 2017, 45, 799-802.	2.0	37
12	Heat flow anomalies in the Gulf of Cadiz and off Cape San Vincente, Portugal. Marine and Petroleum Geology, 2009, 26, 795-804.	1.5	34
13	Gravity crustal models and heat flow measurements for the Eurasia Basin, Arctic Ocean. Marine Geophysical Researches, 2009, 30, 277-292.	0.5	29
14	A Fluid Pulse on the Hikurangi Subduction Margin: Evidence From a Heat Flux Transect Across the Upper Limit of Gas Hydrate Stability. Geophysical Research Letters, 2017, 44, 12,385.	1.5	25
15	Geothermal evidence for fluid flow through the gas hydrate stability field off Central Chile-transient flow related to large subduction zone earthquakes?. Geophysical Journal International, 2006, 166, 461-468.	1.0	23
16	The role of mud volcanism and deepâ€seated dewatering processes in the <scp>N</scp>ankai <scp>T</scp>rough accretionary prism and <scp>K</scp>umano <scp>B</scp>asin, <scp>J</scp>apan. Geochemistry, Geophysics, Geosystems, 2017, 18, 2486-2509.	1.0	17
17	Geothermal heat flux in the <scp>A</scp>mundsen <scp>S</scp>ea sector of <scp>W</scp>est <scp>A</scp>ntarctica: New insights from temperature measurements, depth to the bottom of the magnetic source estimation, and thermal modeling. Geochemistry, Geophysics, Geosystems, 2017, 18, 2657-2672.	1.0	17
18	A Fine-Scale Seismic Stratigraphy of the Eastern Margin of the Weddell Sea. , 1990, , 131-161.		17

#	Article	IF	Citations
19	Asymmetric sedimentation on young ocean floor at the East Pacific Rise, 15Â°S. Marine Geology, 2003, 193, 49-59.	0.9	14
20	Clumped methane isotopologue-based temperature estimates for sources of methane in marine gas hydrates and associated vent gases. Geochimica Et Cosmochimica Acta, 2022, 327, 276-297.	1.6	14
21	Geophysical site survey results from North Pond (Mid-Atlantic Ridge). Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	12
22	The Lance Insertion Retardation meter (LIRmeter): an instrument for in situ determination of sea floor propertiesâ€"technical description and performance evaluation. Marine Geophysical Researches, 2012, 33, 209-221.	0.5	11
23	Formation of hydrothermal pits and the role of seamounts in the Guatemala Basin (Equatorial East) Tj ETQq1 1 0.784314 rgBT /Overlock 369-383.	1.0	10
24	Aging of oceanic crust at the Southern East Pacific Rise. Eos, 1996, 77, 504.	0.1	9
25	Influence of recent depositional and tectonic controls on marine gas hydrates in Trujillo Basin, Peru Margin. Marine Geology, 2013, 340, 30-48.	0.9	9
26	Validation of impact penetrometer data by cone penetration testing and shallow seismic data within the regional geology of the Southern North Sea. Geo-Marine Letters, 2015, 35, 203-219.	0.5	9
27	Elevated geothermal surface heat flow in the Amundsen Sea Embayment, West Antarctica. Earth and Planetary Science Letters, 2019, 506, 530-539.	1.8	9
28	Nonâ€contact infrared temperature measurements in dry permafrost boreholes. Journal of Geophysical Research, 2008, 113, .	3.3	8
29	Evidence for Lowâ€Temperature Diffuse Venting at North Pond, Western Flank of the Midâ€Atlantic Ridge. Geochemistry, Geophysics, Geosystems, 2019, 20, 2572-2584.	1.0	6
30	Hydrothermal Activity at a Cretaceous Seamount, Canary Archipelago, Caused by Rejuvenated Volcanism. Frontiers in Marine Science, 2020, 7, .	1.2	4
31	The history of denudation and resedimentation at the continental margin of western Dronning Maud Land, Antarctica, during break-up of Gondwana. Geological Society Special Publication, 1996, 108, 191-199.	0.8	3
32	Oceanic strike-slip faults represent active fluid conduits in the abyssal sub-seafloor. Geology, 2022, 50, 189-193.	2.0	3
33	Comment [on â€œDeep-penetration heat flow probes raise questions about interpretations from shorter probesâ€•by GÃ©li et al.]. Eos, 2002, 83, 196-196.	0.1	2
34	LIRmeter: A new tool for rapid assessment of sea floor parameters. Bridging the gap between free-fall instruments and frame-based CPT. , 2011, , .		1
35	Heat flow measurements with the newly designed FIELAX Heat Flow Probe. , 2009, , .		0
36	Bathymetric and Seismic Data, Heat Flow Data, and Age Constraints of Le Gouic Seamount, Northeastern Atlantic. Frontiers in Marine Science, 2021, 8, .	1.2	0

#	Article	IF	Citations
37	Heat-flow measurements: Fundamental information for structural and geodynamic interpretation. , 2008, , .		0