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	Oceanic strike-slip faults represent active fluid conduits in the abyssal sub-seafloor. Geology, 2022, 50, 189-193.	2.0	3
2	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
3	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
4	Hydrothermal Activity at a Cretaceous Seamount, Canary Archipelago, Caused by Rejuvenated Volcanism. Frontiers in Marine Science, 2020, 7, .	1.2	4
5	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
6	Elevated geothermal surface heat flow in the Amundsen Sea Embayment, West Antarctica. Earth and Planetary Science Letters, 2019, 506, 530-539.	1.8	9
7	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
8	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
9	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
10	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
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	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
13	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
14	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
15	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
16	LIRmeter: A new tool for rapid assessment of sea floor parameters. Bridging the gap between free-fall instruments and frame-based CPT. , 2011, , .		1
17	Gravity crustal models and heat flow measurements for the Eurasia Basin, Arctic Ocean. Marine Geophysical Researches, 2009, 30, 277-292.	0.5	29
18	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

#	Article	IF	Citations
19	Heat flow measurements with the newly designed FIELAX Heat Flow Probe. , 2009, , .		0
20	Nonâ€contact infrared temperature measurements in dry permafrost boreholes. Journal of Geophysical Research, 2008, 113, .	3.3	8
21	Heat-flow measurements: Fundamental information for structural and geodynamic interpretation. , 2008, , .		0
22	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
23	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
24	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
25	Methane hydrate accumulation in â€œMound 11â€•mud volcano, Costa Rica forearc. Marine Geology, 2005, 216, 83-100.	0.9	74
26	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
27	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
28	Asymmetric sedimentation on young ocean floor at the East Pacific Rise, 15Â°S. Marine Geology, 2003, 193, 49-59.	0.9	14
29	Eurasia spreading basin to Laptev Shelf transition: structural pattern and heat flow. Geophysical Journal International, 2003, 152, 688-698.	1.0	52
30	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
31	Hydrothermal heat flux through aged oceanic crust: where does the heat escape?. Earth and Planetary Science Letters, 2002, 202, 159-170.	1.8	62
32	Comparison of measured and BSR-derived heat flow values, Makran accretionary prism, Pakistan. Marine Geology, 2000, 164, 37-51.	0.9	65
33	Hydrothermal activity and the evolution of the seismic properties of upper oceanic crust. Journal of Geophysical Research, 1999, 104, 5069-5079.	3.3	53
34	Aging of oceanic crust at the Southern East Pacific Rise. Eos, 1996, 77, 504.	0.1	9
35	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
36	A Fine-Scale Seismic Stratigraphy of the Eastern Margin of the Weddell Sea. , 1990, , 131-161.		17

#	Article	IF	Citations
37	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