

# Norbert Kaul

## List of Publications by Citations

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33  
papers

892  
citations

15  
h-index

29  
g-index

41  
ext. papers

983  
ext. citations

3.6  
avg. IF

3.55  
L-index

#	Paper	IF	Citations
33	In situ fluxes and zonation of microbial activity in surface sediments of the Håkon Mosby Mud Volcano. <i>Limnology and Oceanography</i> , <b>2006</b> , 51, 1315-1331	4.8	159
32	Heat flow and bending-related faulting at subduction trenches: Case studies offshore of Nicaragua and Central Chile. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 236, 238-248	5.3	91
31	Methane hydrate accumulation in Mound 11 mud volcano, Costa Rica forearc. <i>Marine Geology</i> , <b>2005</b> , 216, 83-100	3.3	71
30	Comparison of measured and BSR-derived heat flow values, Makran accretionary prism, Pakistan. <i>Marine Geology</i> , <b>2000</b> , 164, 37-51	3.3	61
29	Hydrothermal heat flux through aged oceanic crust: where does the heat escape?. <i>Earth and Planetary Science Letters</i> , <b>2002</b> , 202, 159-170	5.3	55
28	Hydrothermal activity and the evolution of the seismic properties of upper oceanic crust. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 5069-5079		47
27	Strike-slip faults mediate the rise of crustal-derived fluids and mud volcanism in the deep sea. <i>Geology</i> , <b>2015</b> , 43, 339-342	5	45
26	Fluid flow through active mud dome Mound Culebra offshore Nicoya Peninsula, Costa Rica: evidence from heat flow surveying. <i>Marine Geology</i> , <b>2004</b> , 207, 145-157	3.3	43
25	Eurasia spreading basin to Laptev Shelf transition: structural pattern and heat flow. <i>Geophysical Journal International</i> , <b>2003</b> , 152, 688-698	2.6	41
24	Estimating mud expulsion rates from temperature measurements on Håkon Mosby Mud Volcano, SW Barents Sea. <i>Marine Geology</i> , <b>2006</b> , 229, 1-14	3.3	38
23	Heat flow anomalies in the Gulf of Cadiz and off Cape San Vicente, Portugal. <i>Marine and Petroleum Geology</i> , <b>2009</b> , 26, 795-804	4.7	33
22	Widespread seawater circulation in 1802 Ma oceanic crust: Impact on heat flow and sediment geochemistry. <i>Geology</i> , <b>2017</b> , 45, 799-802	5	26
21	Gravity crustal models and heat flow measurements for the Eurasia Basin, Arctic Ocean. <i>Marine Geophysical Researches</i> , <b>2009</b> , 30, 277-292	2.3	24
20	Geothermal evidence for fluid flow through the gas hydrate stability field off Central Chile-transient flow related to large subduction zone earthquakes?. <i>Geophysical Journal International</i> , <b>2006</b> , 166, 461-468	2.6	20
19	A Fluid Pulse on the Hikurangi Subduction Margin: Evidence From a Heat Flux Transect Across the Upper Limit of Gas Hydrate Stability. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 12,385	4.9	17
18	Geothermal heat flux in the Amundsen Sea sector of West Antarctica: New insights from temperature measurements, depth to the bottom of the magnetic source estimation, and thermal modeling. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2017</b> , 18, 2657-2672	3.6	14
17	A Fine-Scale Seismic Stratigraphy of the Eastern Margin of the Weddell Sea <b>1990</b> , 131-161		13

16	Asymmetric sedimentation on young ocean floor at the East Pacific Rise, 15°S. <i>Marine Geology</i> , <b>2003</b> , 193, 49-59	3.3	12
15	The role of mud volcanism and deep-seated dewatering processes in the Nankai Trough accretionary prism and Kumano Basin, Japan. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2017</b> , 18, 2486-2509 <sup>3,6</sup>	3.6	11
14	Aging of oceanic crust at the Southern East Pacific Rise. <i>Eos</i> , <b>1996</b> , 77, 504	1.5	9
13	Geophysical site survey results from North Pond (Mid-Atlantic Ridge). <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> ,		9
12	The Lance Insertion Retardation meter (LIRmeter): an instrument for in situ determination of sea floor properties. Technical description and performance evaluation. <i>Marine Geophysical Researches</i> , <b>2012</b> , 33, 209-221	2.3	8
11	Validation of impact penetrometer data by cone penetration testing and shallow seismic data within the regional geology of the Southern North Sea. <i>Geo-Marine Letters</i> , <b>2015</b> , 35, 203-219	1.9	7
10	Elevated geothermal surface heat flow in the Amundsen Sea Embayment, West Antarctica. <i>Earth and Planetary Science Letters</i> , <b>2019</b> , 506, 530-539	5.3	7
9	Formation of hydrothermal pits and the role of seamounts in the Guatemala Basin (Equatorial East Pacific) from heat flow, seismic, and core studies. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2017</b> , 18, 369-383 <sup>3,6</sup>	3.6	6
8	Influence of recent depositional and tectonic controls on marine gas hydrates in Trujillo Basin, Peru Margin. <i>Marine Geology</i> , <b>2013</b> , 340, 30-48	3.3	6
7	Non-contact infrared temperature measurements in dry permafrost boreholes. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		6
6	Evidence for Low-Temperature Diffuse Venting at North Pond, Western Flank of the Mid-Atlantic Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2019</b> , 20, 2572-2584	3.6	3
5	The history of denudation and resedimentation at the continental margin of western Dronning Maud Land, Antarctica, during break-up of Gondwana. <i>Geological Society Special Publication</i> , <b>1996</b> , 108, 191-199	1.7	3
4	Temperature measurements and thermal gradient estimates on the slope and shelf-edge region of the Beaufort Sea, Canada <b>2015</b> ,		3
3	LIRmeter: A new tool for rapid assessment of sea floor parameters. Bridging the gap between free-fall instruments and frame-based CPT <b>2011</b> ,		1
2	Comment [on Deep-penetration heat flow probes raise questions about interpretations from shorter probes] by GJ et al.]. <i>Eos</i> , <b>2002</b> , 83, 196-196	1.5	1
1	Hydrothermal Activity at a Cretaceous Seamount, Canary Archipelago, Caused by Rejuvenated Volcanism. <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.5	1