

Heiko Sahling

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2884905/publications.pdf>

Version: 2024-02-01

58
papers

3,308
citations

117625

34
h-index

149698

56
g-index

74
all docs

74
docs citations

74
times ranked

2631
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogeological system of erosional convergent margins and its influence on tectonics and interplate seismogenesis. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	159
2	Quantifying fluid flow, solute mixing, and biogeochemical turnover at cold vents of the eastern Aleutian subduction zone. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 5209-5219.	3.9	143
3	Depth-related structure and ecological significance of cold-seep communities—a case study from the Sea of Okhotsk. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2003, 50, 1391-1409.	1.4	136
4	Fluid venting in the eastern Aleutian Subduction Zone. <i>Journal of Geophysical Research</i> , 1998, 103, 2597-2614.	3.3	123
5	Fluid seepage at the continental margin offshore Costa Rica and southern Nicaragua. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	123
6	Quantification of gas bubble emissions from submarine hydrocarbon seeps at the Makran continental margin (offshore Pakistan). <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	108
7	Molecular and isotopic partitioning of low-molecular-weight hydrocarbons during migration and gas hydrate precipitation in deposits of a high-flux seepage site. <i>Chemical Geology</i> , 2010, 269, 350-363.	3.3	102
8	Hydroacoustic methodology for detection, localization, and quantification of gas bubbles rising from the seafloor at gas seeps from the eastern Black Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	101
9	Vesicomyidae (Bivalvia): Current Taxonomy and Distribution. <i>PLoS ONE</i> , 2010, 5, e9957.	2.5	101
10	Patterns of carbonate authigenesis at the Kouilou pockmarks on the Congo deep-sea fan. <i>Marine Geology</i> , 2010, 268, 129-136.	2.1	100
11	Fluid venting activity on the Costa Rica margin: new results from authigenic carbonates. <i>International Journal of Earth Sciences</i> , 2004, 93, 596.	1.8	96
12	Pockmarks in the Northern Congo Fan area, SW Africa: Complex seafloor features shaped by fluid flow. <i>Marine Geology</i> , 2008, 249, 206-225.	2.1	95
13	Estimates of methane output from mud extrusions at the erosive convergent margin off Costa Rica. <i>Marine Geology</i> , 2006, 225, 129-144.	2.1	94
14	Vodyanitskii mud volcano, Sorokin trough, Black Sea: Geological characterization and quantification of gas bubble streams. <i>Marine and Petroleum Geology</i> , 2009, 26, 1799-1811.	3.3	93
15	Geological control and magnitude of methane ebullition from a high-flux seep area in the Black Sea—the Kerch seep area. <i>Marine Geology</i> , 2012, 319-322, 57-74.	2.1	92
16	Interaction between hydrocarbon seepage, chemosynthetic communities, and bottom water redox at cold seeps of the Makran accretionary prism: insights from habitat-specific pore water sampling and modeling. <i>Biogeosciences</i> , 2012, 9, 2013-2031.	3.3	87
17	Discovery of new hydrothermal vent sites in Bransfield Strait, Antarctica. <i>Earth and Planetary Science Letters</i> , 2001, 193, 395-407.	4.4	86
18	Acoustic investigation of cold seeps offshore Georgia, eastern Black Sea. <i>Marine Geology</i> , 2006, 231, 51-67.	2.1	84

#	ARTICLE	IF	CITATIONS
19	Short-chain alkanes fuel mussel and sponge <i>Cycloclasticus</i> symbionts from deep-sea gas and oil seeps. <i>Nature Microbiology</i> , 2017, 2, 17093.	13.3	80
20	Gas emissions at the continental margin west of Svalbard: mapping, sampling, and quantification. <i>Biogeosciences</i> , 2014, 11, 6029-6046.	3.3	73
21	Fueled by methane: deep-sea sponges from asphalt seeps gain their nutrition from methane-oxidizing symbionts. <i>ISME Journal</i> , 2019, 13, 1209-1225.	9.8	68
22	Recent bivalve molluscs of the genus <i>Calyptogena</i> (Vesicomidae). <i>Journal of Molluscan Studies</i> , 2006, 72, 359-395.	1.2	67
23	Methane fluxes and carbonate deposits at a cold seep area of the Central Nile Deep Sea Fan, Eastern Mediterranean Sea. <i>Marine Geology</i> , 2014, 347, 27-42.	2.1	65
24	Anaerobic Degradation of Non-Methane Alkanes by <i>Candidatus</i> <i>Methanoliparia</i> in Hydrocarbon Seeps of the Gulf of Mexico. <i>MBio</i> , 2019, 10, .	4.1	63
25	Natural oil seepage at Kobuleti Ridge, eastern Black Sea. <i>Marine and Petroleum Geology</i> , 2014, 50, 68-82.	3.3	60
26	Fluxes and fate of dissolved methane released at the seafloor at the landward limit of the gas hydrate stability zone offshore western Svalbard. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6185-6201.	2.6	57
27	Phylogeny and origins of chemosynthetic vesicomid clams. <i>Systematics and Biodiversity</i> , 2017, 15, 346-360.	1.2	53
28	Origin, distribution, and alteration of asphalts at Chapopote Knoll, Southern Gulf of Mexico. <i>Marine and Petroleum Geology</i> , 2010, 27, 1093-1106.	3.3	50
29	Fluid flow regimes and growth of a giant pockmark. <i>Geology</i> , 2014, 42, 63-66.	4.4	50
30	Abyssogena: a new genus of the family Vesicomidae (Bivalvia) from deep-water vents and seeps. <i>Journal of Molluscan Studies</i> , 2010, 76, 107-132.	1.2	48
31	The physicochemical habitat of <i>Sclerolinum</i> sp. at Hook Ridge hydrothermal vent, Bransfield Strait, Antarctica. <i>Limnology and Oceanography</i> , 2005, 50, 598-606.	3.1	45
32	Mineralization of vestimentiferan tubes at methane seeps on the Congo deep-sea fan. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 283-293.	1.4	43
33	Molecular taxonomy reveals broad trans-oceanic distributions and high species diversity of deep-sea clams (Bivalvia: Vesicomidae: Pliocardiinae) in chemosynthetic environments. <i>Systematics and Biodiversity</i> , 2012, 10, 403-415.	1.2	40
34	Massive asphalt deposits, oil seepage, and gas venting support abundant chemosynthetic communities at the Campeche Knolls, southern Gulf of Mexico. <i>Biogeosciences</i> , 2016, 13, 4491-4512.	3.3	40
35	Hot vents in an ice-cold ocean: Indications for phase separation at the southernmost area of hydrothermal activity, Bransfield Strait, Antarctica. <i>Earth and Planetary Science Letters</i> , 2001, 193, 381-394.	4.4	34
36	Distribution and temporal variation of megafauna at the northern pockmark (Northern Congo Fan), based on a comparison of videomosaics and geographic information systems analyses. <i>Marine Ecology</i> , 2014, 35, 77-95.	1.1	34

#	ARTICLE	IF	CITATIONS
37	Megafaunal distribution and assessment of total methane and sulfide consumption by mussel beds at Menez Gwen hydrothermal vent, based on geo-referenced photomosaics. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 75, 93-109.	1.4	33
38	Seasonal methane accumulation and release from a gas emission site in the central North Sea. Biogeosciences, 2015, 12, 5261-5276.	3.3	32
39	Hydrothermal activity at Hook Ridge in the Central Bransfield Basin, Antarctica. Geo-Marine Letters, 1998, 18, 277-284.	1.1	31
40	Seafloor sealing, doming, and collapse associated with gas seeps and authigenic carbonate structures at Venere mud volcano, Central Mediterranean. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 137, 76-96.	1.4	31
41	Amount and Fate of Gas and Oil Discharged at 3400 m Water Depth From a Natural Seep Site in the Southern Gulf of Mexico. Frontiers in Marine Science, 2019, 6, .	2.5	29
42	Mapping deep-water gas emissions with sidescan sonar. Eos, 2005, 86, 341.	0.1	28
43	Salt tectonics and mud volcanism in the Latakia and Cyprus Basins, eastern Mediterranean. Tectonophysics, 2009, 470, 173-182.	2.2	27
44	Presence of two phylogenetically distinct groups in the deep-sea mussel Acharax (Mollusca: Bivalvia): Tj ETQq0 0 0 rBT /Overlock 10 Tf	1.9	27
45	Characteristics of an active vent in the fore-arc basin of the Sunda Arc, Indonesia. Marine Geology, 2002, 184, 121-141.	2.1	22
46	Morpho-acoustic variability of cold seeps on the continental slope offshore Nicaragua: Result of fluid flow interaction with sedimentary processes. Marine Geology, 2010, 275, 53-65.	2.1	20
47	Automated gas bubble imaging at sea floor " a new method of in situ gas flux quantification. Ocean Science, 2010, 6, 549-562.	3.4	19
48	Seepage of methane at Jaco Scar, a slide caused by seamount subduction offshore Costa Rica. International Journal of Earth Sciences, 2014, 103, 1801-1815.	1.8	16
49	Styles and Productivity of Mud Diapirism along the Middle American Margin. , 2005, , 49-76.		14
50	Methane gas emissions of the Black Sea" mapping from the Crimean continental margin to the Kerch Peninsula slope. Geo-Marine Letters, 2020, 40, 467-480.	1.1	13
51	Mud Volcanism in a Canyon: Morphodynamic Evolution of the Active Venere Mud Volcano and Its Interplay With Squillace Canyon, Central Mediterranean. Geochemistry, Geophysics, Geosystems, 2018, 19, 356-378.	2.5	12
52	Slow Volcanoes: The Intriguing Similarities Between Marine Asphalt and Basalt Lavas. Oceanography, 2018, 31, .	1.0	10
53	LAPM: a tool for underwater large-area photo-mosaicking. Geoscientific Instrumentation, Methods and Data Systems, 2013, 2, 189-198.	1.6	9
54	Morphology and activity of the Helgoland Mud Volcano in the Sorokin Trough, northern Black Sea. Marine and Petroleum Geology, 2019, 99, 227-236.	3.3	8

#	ARTICLE	IF	CITATIONS
55	Oil and gas seepage offshore Georgia (Black Sea) – Geochemical evidences for a paleogene-neogene hydrocarbon source rock. <i>Marine and Petroleum Geology</i> , 2021, 128, 104995.	3.3	8
56	Resolving the status of the families Vesicomidae and Kelliellidae (Bivalvia: Venerida), with notes on their ecology. <i>Journal of Molluscan Studies</i> , 2018, 84, 69-91.	1.2	6
57	Characteristics and hydrocarbon seepage at the Challenger Knoll in the Sigsbee Basin, Gulf of Mexico. <i>Geo-Marine Letters</i> , 2019, 39, 391-399.	1.1	4
58	A new genus <i>Turneroconcha</i> (Bivalvia: Vesicomidae: Pliocardiinae) for the giant hydrothermal vent clam – <i>Calyptogena</i> – <i>magnifica</i> . <i>Zootaxa</i> , 2020, 4808, 79-100.	0.5	2