

Thomas Pape

List of Publications by Year in descending order

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79
papers

4,675
citations

87886

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102480

66
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all docs

83
docs citations

83
times ranked

4165
citing authors

#	ARTICLE	IF	CITATIONS
1	Clumped methane isotopologue-based temperature estimates for sources of methane in marine gas hydrates and associated vent gases. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 327, 276-297.	3.9	14
2	Biomarker insights into a methane-enriched Holocene peat-setting from the Doggerland (central North Sea). <i>Marine and Petroleum Geology</i> , 2022, 127, 104957.	1.7	2
3	Electron Acceptor Availability Shapes Anaerobically Methane Oxidizing Archaea (ANME) Communities in South Georgia Sediments. <i>Frontiers in Microbiology</i> , 2021, 12, 617280.	3.5	11
4	Interactions between deep formation fluid and gas hydrate dynamics inferred from pore fluid geochemistry at active pockmarks of the Vestnesa Ridge, west Svalbard margin. <i>Marine and Petroleum Geology</i> , 2021, 127, 104957.	3.3	9
5	In-situ borehole temperature measurements confirm dynamics of the gas hydrate stability zone at the upper Danube deep sea fan, Black Sea. <i>Earth and Planetary Science Letters</i> , 2021, 563, 116869.	4.4	12
6	Heat Flow Measurements at the Danube Deep-Sea Fan, Western Black Sea. <i>Geosciences (Switzerland)</i> , 2021, 11, 240.	2.2	9
7	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
8	Heterogeneous hydrocarbon seepage at Mictlan asphalt knoll of the southern Gulf of Mexico. <i>Marine and Petroleum Geology</i> , 2021, 132, 105185.	3.3	3
9	Origin and Transformation of Light Hydrocarbons Ascending at an Active Pockmark on Vestnesa Ridge, Arctic Ocean. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2018JB016679.	3.4	20
10	New insights into geology and geochemistry of the Kerch seep area in the Black Sea. <i>Marine and Petroleum Geology</i> , 2020, 113, 104162.	3.3	13
11	Formation pathways of light hydrocarbons in deep sediments of the Danube deep-sea fan, Western Black Sea. <i>Marine and Petroleum Geology</i> , 2020, 122, 104627.	3.3	14
12	Shallow Gas Hydrate Accumulations at a Nigerian Deepwater Pockmark – Quantities and Dynamics. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018283.	3.4	10
13	Thermal Characterization of Pockmarks Across Vestnesa and Svyatogor Ridges, Offshore Svalbard. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019468.	3.4	1
14	Impact of iron release by volcanic ash alteration on carbon cycling in sediments of the northern Hikurangi margin. <i>Earth and Planetary Science Letters</i> , 2020, 541, 116288.	4.4	15
15	Anaerobic Degradation of Non-Methane Alkanes by <i>Candidatus Methanoliparia</i> in Hydrocarbon Seeps of the Gulf of Mexico. <i>MBio</i> , 2019, 10, .	4.1	63
16	Deep-Sourced Fluids From a Convergent Margin Host Distinct Subseafloor Microbial Communities That Change Upon Mud Flow Expulsion. <i>Frontiers in Microbiology</i> , 2019, 10, 1436.	3.5	5
17	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
18	Amount and Fate of Gas and Oil Discharged at 3400 m Water Depth From a Natural Seep Site in the Southern Gulf of Mexico. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	29

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19	Morphology and activity of the Helgoland Mud Volcano in the Sorokin Trough, northern Black Sea. <i>Marine and Petroleum Geology</i> , 2019, 99, 227-236.	3.3	8
20	In Situ Temperature Measurements at the Svalbard Continental Margin: Implications for Gas Hydrate Dynamics. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1165-1177.	2.5	18
21	Gas hydrate dissociation off Svalbard induced by isostatic rebound rather than global warming. <i>Nature Communications</i> , 2018, 9, 83.	12.8	97
22	Seafloor sealing, doming, and collapse associated with gas seeps and authigenic carbonate structures at Venere mud volcano, Central Mediterranean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 137, 76-96.	1.4	31
23	Can hydrocarbons entrapped in seep carbonates serve as gas geochemistry recorder?. <i>Geo-Marine Letters</i> , 2018, 38, 121-129.	1.1	9
24	Mud extrusion and ring-fault gas seepage – upward branching fluid discharge at a deep-sea mud volcano. <i>Scientific Reports</i> , 2018, 8, 6275.	3.3	18
25	Focused hydrocarbon migration in shallow sediments of a pockmark cluster in the Niger Delta (Off) Tj ETQq1 1 0.784314 rgBT /Overlo	2.5	19
26	Widespread methane seepage along the continental margin off Svalbard - from Björnåya to Kongsfjorden. <i>Scientific Reports</i> , 2017, 7, 42997.	3.3	100
27	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
28	Controlling mechanisms of giant deep water pockmarks in the Lower Congo Basin. <i>Marine and Petroleum Geology</i> , 2017, 83, 140-157.	3.3	26
29	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
30	Cold seeps at the salt front in the Lower Congo Basin II: The impact of spatial and temporal evolution of salt-tectonics on hydrocarbon seepage. <i>Marine and Petroleum Geology</i> , 2015, 67, 880-893.	3.3	12
31	Cold seeps at the salt front in the Lower Congo Basin I: Current methane accumulation and active seepage. <i>Marine and Petroleum Geology</i> , 2015, 67, 894-908.	3.3	15
32	Formation of seep carbonates along the Makran convergent margin, northern Arabian Sea and a molecular and isotopic approach to constrain the carbon isotopic composition of parent methane. <i>Chemical Geology</i> , 2015, 415, 102-117.	3.3	84
33	Gas hydrate distributions in sediments of pockmarks from the Nigerian margin – Results and interpretation from shallow drilling. <i>Marine and Petroleum Geology</i> , 2015, 59, 359-370.	3.3	52
34	Gas emissions at the continental margin west of Svalbard: mapping, sampling, and quantification. <i>Biogeosciences</i> , 2014, 11, 6029-6046.	3.3	73
35	Natural oil seepage at Kobuleti Ridge, eastern Black Sea. <i>Marine and Petroleum Geology</i> , 2014, 50, 68-82.	3.3	60
36	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

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37	Hydrocarbon seepage and its sources at mud volcanoes of the Kumano forearc basin, Nankai Trough subduction zone. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2180-2194.	2.5	51
38	First evidence of widespread active methane seepage in the Southern Ocean, off the sub-Antarctic island of South Georgia. <i>Earth and Planetary Science Letters</i> , 2014, 403, 166-177.	4.4	40
39	Pockmark formation and evolution in deep water Nigeria: Rapid hydrate growth versus slow hydrate dissolution. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 2679-2694.	3.4	91
40	Subduction zone earthquake as potential trigger of submarine hydrocarbon seepage. <i>Nature Geoscience</i> , 2013, 6, 647-651.	12.9	105
41	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
42	Microstructure characteristics during hydrate formation and dissociation revealed by X-ray tomographic microscopy. <i>Geo-Marine Letters</i> , 2012, 32, 555-562.	1.1	29
43	Authigenic carbonates from active methane seeps offshore southwest Africa. <i>Geo-Marine Letters</i> , 2012, 32, 501-513.	1.1	58
44	Diagenetic barium cycling in Black Sea sediments – A case study for anoxic marine environments. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 88, 88-105.	3.9	67
45	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
46	Distribution and abundance of gas hydrates in near-surface deposits of the Håkon Mosby Mud Volcano, SW Barents Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	29
47	Sources of fluids and gases expelled at cold seeps offshore Georgia, eastern Black Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3250-3268.	3.9	52
48	High-intensity gas seepage causes rafting of shallow gas hydrates in the southeastern Black Sea. <i>Earth and Planetary Science Letters</i> , 2011, 307, 35-46.	4.4	50
49	Hydrogen is an energy source for hydrothermal vent symbioses. <i>Nature</i> , 2011, 476, 176-180.	27.8	251
50	Gas hydrates in shallow deposits of the Amsterdam mud volcano, Anaximander Mountains, Northeastern Mediterranean Sea. <i>Geo-Marine Letters</i> , 2010, 30, 187-206.	1.1	56
51	Geochemical and physical structure of the hydrothermal plume at the ultramafic-hosted Logatchev hydrothermal field at 14°45'N on the Mid-Atlantic Ridge. <i>Marine Geology</i> , 2010, 271, 187-197.	2.1	23
52	Microstructures of structure I and II gas hydrates from the Gulf of Mexico. <i>Marine and Petroleum Geology</i> , 2010, 27, 116-125.	3.3	56
53	Authigenic carbonates from the eastern Black Sea as an archive for shallow gas hydrate dynamics – Results from the combination of CT imaging with mineralogical and stable isotope analyses. <i>Marine and Petroleum Geology</i> , 2010, 27, 1819-1829.	3.3	27
54	Mixed gas hydrate structures at the Chapopote Knoll, southern Gulf of Mexico. <i>Earth and Planetary Science Letters</i> , 2010, 299, 207-217.	4.4	54

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55	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
56	Biogeochemistry of a low-activity cold seep in the Larsen B area, western Weddell Sea, Antarctica. <i>Biogeosciences</i> , 2009, 6, 2383-2395.	3.3	58
57	Authigenic carbonate precipitates from the NE Black Sea: a mineralogical, geochemical, and lipid biomarker study. <i>International Journal of Earth Sciences</i> , 2009, 98, 677-695.	1.8	42
58	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
59	The thermal structure of the Dvurechenskii mud volcano and its implications for gas hydrate stability and eruption dynamics. <i>Marine and Petroleum Geology</i> , 2009, 26, 1812-1823.	3.3	25
60	Development and application of pressure-core-sampling systems for the investigation of gas- and gas-hydrate-bearing sediments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2008, 55, 1590-1599.	1.4	75
61	Carbon pools and isotopic trends in a hypersaline cyanobacterial mat. <i>Geobiology</i> , 2008, 6, 171-186.	2.4	45
62	<i>Spongiibacter marinus</i> gen. nov., sp. nov., a halophilic marine bacterium isolated from the boreal sponge <i>Haliclona</i> sp. 1. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 585-590.	1.7	32
63	Marine Methane Biogeochemistry of the Black Sea: A Review. <i>Modern Approaches in Solid Earth Sciences</i> , 2008, , 281-311.	0.3	6
64	<i>Spongiispira norvegica</i> gen. nov., sp. nov., a marine bacterium isolated from the boreal sponge <i>Isops phlegraei</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1815-1820.	1.7	18
65	<i>Bacillus plakortidis</i> sp. nov. and <i>Bacillus murimartini</i> sp. nov., novel alkalitolerant members of rRNA group 6. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 2888-2893.	1.7	43
66	The influence of ultramafic rocks on microbial communities at the Logatchev hydrothermal field, located 15°N on the Mid-Atlantic Ridge. <i>FEMS Microbiology Ecology</i> , 2007, 61, 97-109.	2.7	81
67	Biosynthesis of hopanoids by sulfate-reducing bacteria (genus <i>Desulfovibrio</i>). <i>Environmental Microbiology</i> , 2006, 8, 1220-1227.	3.8	158
68	Dense populations of Archaea associated with the demosponge <i>Tentorium semisuberites</i> Schmidt, 1870 from Arctic deep-waters. <i>Polar Biology</i> , 2006, 29, 662-667.	1.2	43
69	In Vitro Study of Lipid Biosynthesis in an Anaerobically Methane-Oxidizing Microbial Mat. <i>Applied and Environmental Microbiology</i> , 2005, 71, 4345-4351.	3.1	66
70	Lipid geochemistry of methane-seep-related Black Sea carbonates. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 227, 31-47.	2.3	51
71	An Anaerobic World in Sponges. <i>Geomicrobiology Journal</i> , 2005, 22, 1-10.	2.0	198
72	Membrane lipid patterns typify distinct anaerobic methanotrophic consortia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11111-11116.	7.1	331

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73	Sedimentary inclusions in the deep-water sponge <i>Geodia barretti</i> (Geodiidae, Demospongiae) from the Korsfjord, western Norway. <i>Sarsia</i> , 2004, 89, 245-252.	0.5	16
74	Unexpected occurrence of hopanoids at gas seeps in the Black Sea. <i>Organic Geochemistry</i> , 2003, 34, 81-87.	1.8	114
75	Microbial Reefs in the Black Sea Fueled by Anaerobic Oxidation of Methane. <i>Science</i> , 2002, 297, 1013-1015.	12.6	673
76	A chemical view of the most ancient metazoa " biomarker chemotaxonomy of hexactinellid sponges. <i>Die Naturwissenschaften</i> , 2002, 89, 60-66.	1.6	68
77	The steroids of hexactinellid sponges. <i>Die Naturwissenschaften</i> , 2002, 89, 415-419.	1.6	19
78	Design and deployment of autoclave pressure vessels for the portable deep-sea drill rig MeBo (<i>Meeresboden-Bohrer</i>). <i>Scientific Drilling</i> , 0, 23, 29-37.	0.6	15
79	Geochemistry of Hydrothermal Fluids From the E2-Segment of the East Scotia Ridge: Magmatic Input, Reaction Zone Processes, Fluid Mixing Regimes and Bioenergetic Landscapes. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	1