

Timothy Collett

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61

papers

3,433

citations

27

h-index

58

g-index

66

ext. papers

4,072

ext. citations

4.7

avg, IF

5.45

L-index

#	Paper	IF	Citations
61	Alaska North Slope Terrestrial Gas Hydrate Systems: Insights from Scientific Drilling 2022 , 195-206		1
60	Permeability Measurement and Prediction with Nuclear Magnetic Resonance Analysis of Gas Hydrate-Bearing Sediments Recovered from Alaska North Slope 2018 Hydrate-01 Stratigraphic Test Well. <i>Energy & Fuels</i> , 2022 , 36, 2515-2529	4.1	6
59	New Insights into the Occurrence and Implications of Mobile Water in Gas Hydrate Systems. <i>Energy & Fuels</i> , 2022 , 36, 2447-2461	4.1	6
58	Gas Hydrate Saturation Estimates, Gas Hydrate Occurrence, and Reservoir Characteristics Based on Well Log Data from the Hydrate-01 Stratigraphic Test Well, Alaska North Slope. <i>Energy & Fuels</i> , 2022 , 36, 3040-3050	4.1	4
57	Planning and Operations of the Hydrate 01 Stratigraphic Test Well, Prudhoe Bay Unit, Alaska North Slope. <i>Energy & Fuels</i> , 2022 , 36, 3016-3039	4.1	7
56	Advanced Distributed Acoustic Sensing Vertical Seismic Profile Imaging of an Alaska North Slope Gas Hydrate Field. <i>Energy & Fuels</i> , 2022 , 36, 3481-3495	4.1	4
55	DAS 3DVSP survey at Stratigraphic Test Well (Hydrate-01) 2021 ,		4
54	Multiple physical properties of gas hydrate-bearing sediments recovered from Alaska North Slope 2018 Hydrate-01 Stratigraphic Test Well. <i>Marine and Petroleum Geology</i> , 2021 , 123, 104748	4.7	14
53	Natural Gas Hydrates 2020 , 111-131		19
52	Pressure coring operations during The University of Texas-Gulf of Mexico 2-1 (UT-GOM2-1) Hydrate Pressure Coring Expedition in Green Canyon Block 955, northern Gulf of Mexico. <i>AAPG Bulletin</i> , 2020 , 104, 1877-1901	2.5	6
51	Pressure coring a Gulf of Mexico deep-water turbidite gas hydrate reservoir: Initial results from The University of Texas-Gulf of Mexico 2-1 (UT-GOM2-1) Hydrate Pressure Coring Expedition. <i>AAPG Bulletin</i> , 2020 , 104, 1847-1876	2.5	10
50	Pressure core analysis of geomechanical and fluid flow properties of seals associated with gas hydrate-bearing reservoirs in the Krishna-Godavari Basin, offshore India. <i>Marine and Petroleum Geology</i> , 2019 , 108, 537-550	4.7	32
49	India National Gas Hydrate Program Expedition 02 Summary of Scientific Results: Gas hydrate systems along the eastern continental margin of India. <i>Marine and Petroleum Geology</i> , 2019 , 108, 39-142	4.7	95
48	Numerical simulations of depressurization-induced gas production from an interbedded turbidite gas hydrate-bearing sedimentary section in the offshore India: Site NGHP-02-16 (Area-B). <i>Marine and Petroleum Geology</i> , 2019 , 108, 619-638	4.7	51
47	India National Gas Hydrate Program Expedition 02 summary of scientific results: Numerical simulation of reservoir response to depressurization. <i>Marine and Petroleum Geology</i> , 2019 , 108, 154-166	4.7	46
46	UT-GOM2-1 Hydrate Pressure Coring Expedition (Chapter 2. Expedition Methods) 2018 ,		2
45	UT-GOM2-1 Hydrate Pressure Coring Expedition Summary (Chapter 1. Expedition Summary) 2018 ,		2

44	Downhole log evidence for the coexistence of structure II gas hydrate and free gas below the bottom simulating reflector in the South China Sea. <i>Marine and Petroleum Geology</i> , 2018 , 98, 662-674	4.7	41
43	The IĪik Sikumi Field Experiment, Alaska North Slope: Design, Operations, and Implications for CO ₂ ∩H ₄ Exchange in Gas Hydrate Reservoirs. <i>Energy & Fuels</i> , 2017 , 31, 140-153	4.1	164
42	Observed correlation between the depth to base and top of gas hydrate occurrence from review of global drilling data. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 2543-2561	3.6	8
41	Evaluation of gas production potential from gas hydrate deposits in National Petroleum Reserve Alaska using numerical simulations. <i>Journal of Natural Gas Science and Engineering</i> , 2016 , 36, 760-772	4.6	17
40	Prospecting for marine gas hydrate resources. <i>Interpretation</i> , 2016 , 4, SA13-SA24	1.4	61
39	Introduction to special section: Exploration and characterization of gas hydrates. <i>Interpretation</i> , 2016 , 4, SAi-SAii	1.4	2
38	Geological controls on the occurrence of gas hydrate from core, downhole log, and seismic data in the Shenhu area, South China Sea. <i>Marine Geology</i> , 2014 , 357, 272-292	3.3	96
37	Geologic implications of gas hydrates in the offshore of India: Krishna∩odavari Basin, Mahanadi Basin, Andaman Sea, Kerala∩onkan Basin. <i>Marine and Petroleum Geology</i> , 2014 , 58, 29-98	4.7	82
36	Geologic implications of gas hydrates in the offshore of India: Results of the National Gas Hydrate Program Expedition 01. <i>Marine and Petroleum Geology</i> , 2014 , 58, 3-28	4.7	121
35	Scientific results of the Second Gas Hydrate Drilling Expedition in the Ulleung Basin (UBGH2). <i>Marine and Petroleum Geology</i> , 2013 , 47, 1-20	4.7	123
34	Gas Hydrates as a Potential Energy Source: State of Knowledge and Challenges 2013 , 977-1033		16
33	Electrical anisotropy of gas hydrate-bearing sand reservoirs in the Gulf of Mexico. <i>Marine and Petroleum Geology</i> , 2012 , 34, 72-84	4.7	42
32	Subsurface gas hydrates in the northern Gulf of Mexico. <i>Marine and Petroleum Geology</i> , 2012 , 34, 4-30	4.7	210
31	Evaluation of Long-Term Gas-Hydrate-Production Testing Locations on the Alaska North Slope. <i>SPE Reservoir Evaluation and Engineering</i> , 2012 , 15, 243-264	2.3	25
30	Current perspectives on gas hydrate resources. <i>Energy and Environmental Science</i> , 2011 , 4, 1206-1215	35.4	820
29	Permafrost-associated natural gas hydrate occurrences on the Alaska North Slope. <i>Marine and Petroleum Geology</i> , 2011 , 28, 279-294	4.7	138
28	Geologic controls on gas hydrate occurrence in the Mount Elbert prospect, Alaska North Slope. <i>Marine and Petroleum Geology</i> , 2011 , 28, 589-607	4.7	56
27	Analysis of formation pressure test results in the Mount Elbert methane hydrate reservoir through numerical simulation. <i>Marine and Petroleum Geology</i> , 2011 , 28, 502-516	4.7	41

26	Physical properties of sediment from the Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope. <i>Marine and Petroleum Geology</i> , 2011 , 28, 361-380	4-7	76
25	Regional long-term production modeling from a single well test, Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope. <i>Marine and Petroleum Geology</i> , 2011 , 28, 493-501	4-7	143
24	Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope: Coring operations, core sedimentology, and lithostratigraphy. <i>Marine and Petroleum Geology</i> , 2011 , 28, 311-331	4-7	40
23	Gas geochemistry of the Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope: Implications for gas hydrate exploration in the Arctic. <i>Marine and Petroleum Geology</i> , 2011 , 28, 343-360	4-7	27
22	Formation pressure testing at the Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope: Operational summary, history matching, and interpretations. <i>Marine and Petroleum Geology</i> , 2011 , 28, 478-492	4-7	52
21	Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope: Overview of scientific and technical program. <i>Marine and Petroleum Geology</i> , 2011 , 28, 295-310	4-7	136
20	16. Evaluation of Natural Gas-Hydrate Systems Using Borehole Logs 2010 , 239-261		13
19	Toward Production From Gas Hydrates: Current Status, Assessment of Resources, and Simulation-Based Evaluation of Technology and Potential. <i>SPE Reservoir Evaluation and Engineering</i> , 2009 , 12, 745-771	2.3	263
18	Scientific Results from the Mallik 2002 Gas Hydrate Production Research Well Program, Mackenzie Delta, Northwest Territories, Canada 2005 ,		108
17	Summary and implications of the Mallik 2002 Gas Hydrate Production Research Well Program 2005 ,		12
16	Overview of pressure-drawdown production-test results for the JAPEX/JNOC/GSC et al. Mallik 5L-38 gas hydrate production research well 2005 ,		30
15	Elastic properties of gas hydrate-bearing sediments. <i>Geophysics</i> , 2001 , 66, 763-771	3.1	70
14	Natural Gas Hydrates of the Prudhoe Bay and Kuparuk River Area, North Slope, Alaska. <i>AAPG Bulletin</i> , 1993 , 77,	2.5	7
13	Assessment of gas hydrate resources on the North Slope, Alaska, 2008. <i>US Geological Survey Fact Sheet</i> ,		22
12	Assessment of undiscovered gas hydrate resources in the North Slope of Alaska, 2018. <i>US Geological Survey Fact Sheet</i> ,		3
11	Geochemistry of natural gas, North Slope, Alaska: implications for gas resources, NPRA. <i>US Geological Survey Open-File Report</i> ,		7
10	Alaska North Slope gas hydrate energy resources. <i>US Geological Survey Open-File Report</i> ,		5
9	Molecular and isotopic analyses of the hydrocarbon gases within gas hydrate-bearing rock units of the Prudhoe Bay-Kuparuk River area in northern Alaska. <i>US Geological Survey Open-File Report</i> ,		2

8	A method of Shaly sand correction for estimating gas hydrate saturations using downhole electrical resistivity log data. <i>USGS Scientific Investigations Report,</i>		6
7	Assessing gas-hydrate prospects on the North Slope of Alaska—Theoretical considerations. <i>USGS Scientific Investigations Report,</i>		4
6	Gas hydrate prospecting using well cuttings and mud-gas geochemistry from 35 wells, North Slope, Alaska. <i>USGS Scientific Investigations Report,</i>		3
5	Indian National Gas Hydrate Program Expedition 01 report. <i>USGS Scientific Investigations Report,</i>		12
4	Controls on the physical properties of gas-hydrate-bearing sediments because of the interaction between gas hydrate and porous media. <i>USGS Scientific Investigations Report,</i>		2
3	Brookian sequence well log correlation sections and occurrence of gas hydrates, north-central North Slope, Alaska. <i>USGS Scientific Investigations Report,</i>		4
2	Review of Past Gas Production Attempts from Subsurface Gas Hydrate Deposits and Necessity of Long-Term Production Testing. <i>Energy & Fuels,</i>	4.1	9
1	Scientific Results of the Hydrate-01 Stratigraphic Test Well Program, Western Prudhoe Bay Unit, Alaska North Slope. <i>Energy & Fuels,</i>	4.1	5