Timothy Collett

List of Publications by Year
in descending order

46	4,798	186265	276875
papers	citations	28 h-index	41 g-index

66	66	66	1787
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Current perspectives on gas hydrate resources. Energy and Environmental Science, 2011, 4, 1206-1215.	30.8	1,146
2	Toward Production From Gas Hydrates: Current Status, Assessment of Resources, and Simulation-Based Evaluation of Technology and Potential. SPE Reservoir Evaluation and Engineering, 2009, 12, 745-771.	1.8	335
3	Subsurface gas hydrates in the northern Gulf of Mexico. Marine and Petroleum Geology, 2012, 34, 4-30.	3.3	277
4	The IÄ¡nik Sikumi Field Experiment, Alaska North Slope: Design, Operations, and Implications for CO₂â€“CH₄ Exchange in Gas Hydrate Reservoirs. Energy & Fuels, 2017, 31, 140-153.	5.1	240
5	Permafrost-associated natural gas hydrate occurrences on the Alaska North Slope. Marine and Petroleum Geology, 2011, 28, 279-294.	3.3	192
6	Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope: Overview of scientific and technical program. Marine and Petroleum Geology, 2011, 28, 295-310.	3.3	173
7	Regional long-term production modeling from a single well test, Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope. Marine and Petroleum Geology, 2011, 28, 493-501.	3.3	170
8	Scientific results of the Second Gas Hydrate Drilling Expedition in the Ulleung Basin (UBGH2). Marine and Petroleum Geology, 2013, 47, 1-20.	3.3	158
9	Geologic implications of gas hydrates in the offshore of India: Results of the National Gas Hydrate Program Expedition 01. Marine and Petroleum Geology, 2014, 58, 3-28.	3.3	152
10	India National Gas Hydrate Program Expedition 02 Summary of Scientific Results: Gas hydrate systems along the eastern continental margin of India. Marine and Petroleum Geology, 2019, 108, 39-142.	3.3	146
11	Geological controls on the occurrence of gas hydrate from core, downhole log, and seismic data in the Shenhu area, South China Sea. Marine Geology, 2014, 357, 272-292.	2.1	142
12	Geologic implications of gas hydrates in the offshore of India: Krishnaâ€“Godavari Basin, Mahanadi Basin, Andaman Sea, Keralaâ€“Konkan Basin. Marine and Petroleum Geology, 2014, 58, 29-98.	3.3	98
13	Elastic properties of gas hydrateâ€bearing sediments. Geophysics, 2001, 66, 763-771.	2.6	93
14	Physical properties of sediment from the Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope. Marine and Petroleum Geology, 2011, 28, 361-380.	3.3	91
15	Prospecting for marine gas hydrate resources. Interpretation, 2016, 4, SA13-SA24.	1.1	82
16	India National Gas Hydrate Program Expedition 02 summary of scientific results: Numerical simulation of reservoir response to depressurization. Marine and Petroleum Geology, 2019, 108, 154-166.	3.3	79
17	Downhole log evidence for the coexistence of structure II gas hydrate and free gas below the bottom simulating reflector in the South China Sea. Marine and Petroleum Geology, 2018, 98, 662-674.	3.3	73
18	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). Marine and Petroleum Geology, 2019, 108, 619-638.	3.3	70

#	Article	IF	Citations
19	Geologic controls on gas hydrate occurrence in the Mount Elbert prospect, Alaska North Slope. Marine and Petroleum Geology, 2011, 28, 589-607.	3.3	69
20	Formation pressure testing at the Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope: Operational summary, history matching, and interpretations. Marine and Petroleum Geology, 2011, 28, 478-492.	3.3	68
21	Electrical anisotropy of gas hydrate-bearing sand reservoirs in the Gulf of Mexico. Marine and Petroleum Geology, 2012, 34, 72-84.	3.3	55
22	Analysis of formation pressure test results in the Mount Elbert methane hydrate reservoir through numerical simulation. Marine and Petroleum Geology, 2011, 28, 502-516.	3.3	49
23	Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope: Coring operations, core sedimentology, and lithostratigraphy. Marine and Petroleum Geology, 2011, 28, 311-331.	3.3	49
24	Natural Gas Hydrates. , 2020, , 111-131.		46
25	Pressure core analysis of geomechanical and fluid flow properties of seals associated with gas hydrate-bearing reservoirs in the Krishna-Godavari Basin, offshore India. Marine and Petroleum Geology, 2019, 108, 537-550.	3.3	44
26	Gas geochemistry of the Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope: Implications for gas hydrate exploration in the Arctic. Marine and Petroleum Geology, 2011, 28, 343-360.	3.3	39
27	Review of Past Gas Production Attempts from Subsurface Gas Hydrate Deposits and Necessity of Long-Term Production Testing. Energy & Fuels, 2022, 36, 5047-5062.	5.1	37
28	Evaluation of Long-Term Gas-Hydrate-Production Testing Locations on the Alaska North Slope. SPE Reservoir Evaluation and Engineering, 2012, 15, 243-264.	1.8	35
29	Multiple physical properties of gas hydrate-bearing sediments recovered from Alaska North Slope 2018 Hydrate-01 Stratigraphic Test Well. Marine and Petroleum Geology, 2021, 123, 104748.	3.3	33
30	Natural Gas Hydrates of the Prudhoe Bay and Kuparuk River Area, North Slope, Alaska. AAPG Bulletin, 1993, 77, .	1.5	31
31	Pressure coring a Gulf of Mexico deep-water turbidite gas hydrate reservoir: Initial results from The University of Texasâ€“Gulf of Mexico 2-1 (UT-GOM2-1) Hydrate Pressure Coring Expedition. AAPG Bulletin, 2020, 104, 1847-1876.	1.5	24
32	Evaluation of gas production potential from gas hydrate deposits in National Petroleum Reserve Alaska using numerical simulations. Journal of Natural Gas Science and Engineering, 2016, 36, 760-772.	4.4	23
33	Gas Hydrates as a Potential Energy Source: State of Knowledge and Challenges. , 2013, , 977-1033.		21
34	New Insights into the Occurrence and Implications of Mobile Water in Gas Hydrate Systems. Energy & Fuels, 2022, 36, 2447-2461.	5.1	18
35	Planning and Operations of the Hydrate 01 Stratigraphic Test Well, Prudhoe Bay Unit, Alaska North Slope. Energy & Fuels, 2022, 36, 3016-3039.	5.1	17
36	16. Evaluation of Natural Gas-Hydrate Systems Using Borehole Logs. , 2010, , 239-261.		16

#	Article	IF	Citations
37	Observed correlation between the depth to base and top of gas hydrate occurrence from review of global drilling data. Geochemistry, Geophysics, Geosystems, 2017, 18, 2543-2561.	2.5	14
38	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. AAPG Bulletin, 2020, 104, 1877-1901.	1.5	14
39	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. Energy & Fuels, 2022, 36, 3040-3050.	5.1	13
40	Scientific Results of the Hydrate-01 Stratigraphic Test Well Program, Western Prudhoe Bay Unit, Alaska North Slope. Energy & Fuels, 2022, 36, 5167-5184.	5.1	12
41	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. Energy & Fuels, 2022, 36, 2515-2529.	5.1	11
42	Advanced Distributed Acoustic Sensing Vertical Seismic Profile Imaging of an Alaska North Slope Gas Hydrate Field. Energy & Fuels, 2022, 36, 3481-3495.	5.1	11
43	Introduction to special section: Exploration and characterization of gas hydrates. Interpretation, 2016, 4, SAi-SAii.	1.1	5
44	Virtual Special Issue of Recent Advances on Gas Hydrates Scientific Drilling in Alaska. Energy & Fuels, 2022, 36, 7921-7924.	5.1	5
45	DAS 3DVSP survey at Stratigraphic Test Well (Hydrate-01). , 2021, , .		4
46	Alaska North Slope Terrestrial Gas Hydrate Systems: Insights from Scientific Drilling. , 2022, , 195-206.		2