Yoshihiro Konno

List of Publications by Year
in descending order

42	3,383	159585 30	302126 39
papers	citations	h-index	g-index

42	42	42	1093
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Key Findings of the Worldâ€™s First Offshore Methane Hydrate Production Test off the Coast of Japan: Toward Future Commercial Production. Energy & Fuels, 2017, 31, 2607-2616.	5.1	472
2	Geological setting and characterization of a methane hydrate reservoir distributed at the first offshore production test site on the Daini-Atsumi Knoll in the eastern Nankai Trough, Japan. Marine and Petroleum Geology, 2015, 66, 310-322.	3.3	300
3	Mechanical properties of hydrate-bearing turbidite reservoir in the first gas production test site of the Eastern Nankai Trough. Marine and Petroleum Geology, 2015, 66, 471-486.	3.3	207
4	Key Factors for Depressurization-Induced Gas Production from Oceanic Methane Hydrates. Energy & Fuels, 2010, 24, 1736-1744.	5.1	195
5	Permeability of sediment cores from methane hydrate deposit in the Eastern Nankai Trough. Marine and Petroleum Geology, 2015, 66, 487-495.	3.3	173
6	Experimental evaluation of the gas recovery factor of methane hydrate in sandy sediment. RSC Advances, 2014, 4, 51666-51675.	3.6	148
7	Dependence of Depressurization-Induced Dissociation of Methane Hydrate Bearing Laboratory Cores on Heat Transfer. Energy & Fuels, 2009, 23, 4995-5002.	5.1	131
8	Mechanical behavior of hydrate-bearing pressure-core sediments visualized under triaxial compression. Marine and Petroleum Geology, 2015, 66, 451-459.	3.3	120
9	Permeability variation and anisotropy of gas hydrate-bearing pressure-core sediments recovered from the Krishnaâ€“Godavari Basin, offshore India. Marine and Petroleum Geology, 2019, 108, 524-536.	3.3	113
10	Pressure-core-based reservoir characterization for geomechanics: Insights from gas hydrate drilling during 2012â€“2013 at the eastern Nankai Trough. Marine and Petroleum Geology, 2017, 86, 1-16.	3.3	112
11	Sustainable gas production from methane hydrate reservoirs by the cyclic depressurization method. Energy Conversion and Management, 2016, 108, 439-445.	9.2	101
12	Pore-scale modeling of flow in particle packs containing grain-coating and pore-filling hydrates: Verification of a Kozenyâ€“Carman-based permeability reduction model. Journal of Natural Gas Science and Engineering, 2017, 45, 537-551.	4.4	101
13	Hydraulic fracturing in methane-hydrate-bearing sand. RSC Advances, 2016, 6, 73148-73155.	3.6	99
14	Lithological features of hydrate-bearing sediments and their relationship with gas hydrate saturation in the eastern Nankai Trough, Japan. Marine and Petroleum Geology, 2015, 66, 368-378.	3.3	93
15	Numerical Analysis of the Dissociation Experiment of Naturally Occurring Gas Hydrate in Sediment Cores Obtained at the Eastern Nankai Trough, Japan. Energy & Fuels, 2010, 24, 6353-6358.	5.1	80
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	Pressure core based onshore laboratory analysis on mechanical properties of hydrate-bearing sediments recovered during India's National Gas Hydrate Program Expedition (NGHP) 02. Marine and Petroleum Geology, 2019, 108, 482-501.	3.3	76
18	Growth of Methane Clathrate Hydrates in Porous Media. Energy & Fuels, 2012, 26, 2242-2247.	5.1	71

#	Article	IF	Citations
19	Depressurized dissociation of methane-hydrate-bearing natural cores with low permeability. Chemical Engineering Science, 2012, 68, 595-605.	3.8	70
20	Effect of methane hydrate morphology on compressional wave velocity of sandy sediments: Analysis of pressure cores obtained in the Eastern Nankai Trough. Marine and Petroleum Geology, 2015, 66, 425-433.	3.3	66
21	Dissociation Behavior of Methane Hydrate in Sandy Porous Media below the Quadruple Point. Energy & Fuels, 2012, 26, 4310-4320.	5.1	63
22	Chemical and crystallographic characterizations of natural gas hydrates recovered from a production test site in the eastern Nankai Trough. Marine and Petroleum Geology, 2015, 66, 396-403.	3.3	55
23	Consolidation and hardening behavior of hydrate-bearing pressure-core sediments recovered from the Krishnaâ€"Godavari Basin, offshore India. Marine and Petroleum Geology, 2019, 108, 512-523.	3.3	55
24	In Situ Methane Hydrate Morphology Investigation: Natural Gas Hydrate-Bearing Sediment Recovered from the Eastern Nankai Trough Area. Energy & Fuels, 2016, 30, 5547-5554.	5.1	51
25	Numerical analysis of gas production potential from a gas-hydrate reservoir at Site NGHP-02-16, the Krishnaâ€"Godavari Basin, offshore Indiaâ€"Feasibility of depressurization method for ultra-deepwater environment. Marine and Petroleum Geology, 2019, 108, 731-740.	3.3	48
26	Bulk sediment mineralogy of gas hydrate reservoir at the East Nankai offshore production test site. Marine and Petroleum Geology, 2015, 66, 379-387.	3.3	40
27	Lithological properties of natural gas hydrateâ€"bearing sediments in pressure-cores recovered from the Krishnaâ€"Godavari Basin. Marine and Petroleum Geology, 2019, 108, 439-470.	3.3	40
28	Multiple-pressure-tapped core holder combined with X-ray computed tomography scanning for gasâ€"water permeability measurements of methane-hydrate-bearing sediments. Review of Scientific Instruments, 2013, 84, 064501.	1.3	38
29	In Situ Mechanical Properties of Shallow Gas Hydrate Deposits in the Deep Seabed. Geophysical Research Letters, 2019, 46, 14459-14468.	4.0	35
30	Pressurized subsampling system for pressured gas-hydrate-bearing sediment: Microscale imaging using X-ray computed tomography. Review of Scientific Instruments, 2014, 85, 094502.	1.3	31
31	Crystallographic and geochemical properties of natural gas hydrates accumulated in the National Gas Hydrate Program Expedition 02 drilling sites in the Krishna-Godavari Basin off India. Marine and Petroleum Geology, 2019, 108, 471-481.	3.3	23
32	Natural Gas Hydrates Recovered from the Umitaka Spur in the Joetsu Basin, Japan: Coexistence of Two Structure-I Hydrates with Distinctly Different Textures and Gas Compositions within a Massive Structure. ACS Earth and Space Chemistry, 2020, 4, 77-85.	2.7	14
33	Influence of Flow Properties on Gas Productivity in Gas-Hydrate Reservoirs: What Can We Learn from Offshore Production Tests?. Energy & Fuels, 2021, 35, 8733-8741.	5.1	14
34	Evaluation of failure modes and undrained shear strength by cone penetrometer for Natural Gas hydrate-bearing pressure-core sediment samples recovered from the Krishnaâ€"Godavari Basin, offshore India. Marine and Petroleum Geology, 2019, 108, 502-511.	3.3	12
35	Clathrate Hydrate Equilibrium in Methaneâ€"Water Systems with the Addition of Monosaccharide and Sugar Alcohol. Journal of Chemical & Engineering Data, 2017, 62, 440-444.	1.9	11
36	Mechanical properties of polycrystalline tetrahydrofuran hydrates as analogs for massive natural gas hydrates. Journal of Natural Gas Science and Engineering, 2021, 96, 104284.	4.4	11

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37	Analysis on factors that determine the gas production rate during depressurization of methane hydrate cores. Journal of the Japanese Association for Petroleum Technology, 2009, 74, 165-174.	0.0	10
38	Dissociation Rate Analysis From Methane Hydrate-Bearing Core Samples by Using Depressurization or Depressurization With Well-Wall Heating Method. , 2008, , .		7
39	Methane Hydrate in Marine Sands: Its Reservoir Properties, Gas Production Behaviors, and Enhanced Recovery Methods. Journal of the Japan Petroleum Institute, 2021, 64, 113-122.	0.6	7
40	Hydrate Equilibrium Conditions for Water, Diethylene Glycol Monoethyl Ether Acetate, and Methane. Journal of Chemical & Engineering Data, 2016, 61, 3692-3697.	1.9	4
41	Thermal Data Analysis to Investigate Mass and Heat Transport during Methane Hydrate Dissociation Processes. , 2017, , .		4
42	SS - Gas Hydrate:Numerical Analysis on the Rate-Determining Factors of Depressurization-Induced Gas Production from Methane Hydrate Cores. , 2010, , .		3