# Junbong Jang

List of Publications by Year
in descending order



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|---|---|---|---|
| 24 papers | 1,961 citations | 430874 18 h-index | 642732 23 g-index |
| 24 all docs | 24 docs citations | 24 times ranked | 1125 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Physical properties of hydrateâ€bearing sediments. Reviews of Geophysics, 2009, 47, . | 23.0 | 746 |
| 2 | Hydro-bio-geomechanical properties of hydrate-bearing sediments from Nankai Trough. Marine and Petroleum Geology, 2015, 66, 434-450. | 3.3 | 190 |
| 3 | 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 |
| 4 | Gas Production from Hydrate-Bearing Sediments: The Role of Fine Particles. Energy & Fuels, 2012, 26, 480-487. | 5.1 | 111 |
| 5 | Permeability anisotropy and relative permeability in sediments from the National Gas Hydrate Program Expedition 02, offshore India. Marine and Petroleum Geology, 2019, 108, 705-713. | 3.3 | 82 |
| 6 | An international code comparison study on coupled thermal, hydrologic and geomechanical processes of natural gas hydrate-bearing sediments. Marine and Petroleum Geology, 2020, 120, 104566. | 3.3 | 80 |
| 7 | Fines Classification Based on Sensitivity to Pore-Fluid Chemistry. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, . | 3.0 | 76 |
| 8 | 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 |
| 9 | Hydraulic conductivity in spatially varying media-a pore-scale investigation. Geophysical Journal International, 2011, 184, 1167-1179. | 2.4 | 70 |
| 10 | Pressure Core Characterization Tools for Hydrate-Bearing Sediments. Scientific Drilling, 0, 14, 44-48. | 0.6 | 53 |
| 11 | 2D micromodel study of clogging behavior of fine-grained particles associated with gas hydrate production in NGHP-02 gas hydrate reservoir sediments. Marine and Petroleum Geology, 2019, 108, 714-730. | 3.3 | 52 |
| 12 | Downhole physical property-based description of a gas hydrate petroleum system in NGHP-02 Area C: A channel, levee, fan complex in the Krishna-Godavari Basin offshore eastern India. Marine and Petroleum Geology, 2019, 108, 272-295. | 3.3 | 47 |
| 13 | 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 |
| 14 | Sustainable development and energy geotechnology â€" Potential roles for geotechnical engineering. KSCE Journal of Civil Engineering, 2011, 15, 611-621. | 1.9 | 41 |
| 15 | Physical property characteristics of gas hydrate-bearing reservoir and associated seal sediments collected during NGHP-02 in the Krishna-Godavari Basin, in the offshore of India. Marine and Petroleum Geology, 2019, 108, 249-271. | 3.3 | 41 |
| 16 | Compressibility and particle crushing of Krishna-Godavari Basin sediments from offshore India: Implications for gas production from deep-water gas hydrate deposits. Marine and Petroleum Geology, 2019, 108, 697-704. | 3.3 | 37 |
| 17 | Characterization and Engineering Properties of Dry and Ponded Class-F Fly Ash. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, . | 3.0 | 25 |
| 18 | Capillary pressure across a pore throat in the presence of surfactants. Water Resources Research, 2016, 52, 9586-9599. | 4.2 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Impact of Pore Fluid Chemistry on Fineâ€Grained Sediment Fabric and Compressibility. Journal of Geophysical Research: Solid Earth, 2018, 123, 5495-5514. | 3.4 | 20 |
| 20 | Closure to â€œFines Classification Based on Sensitivity to Pore-Fluid Chemistryâ€•by Junbong Jang and J. Carlos Santamarina. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, . | 3.0 | 13 |
| 21 | Potential freshening impacts on fines migration and pore-throat clogging during gas hydrate production: 2-D micromodel study with Diatomaceous UBGH2 sediments. Marine and Petroleum Geology, 2020, 116, 104244. | 3.3 | 8 |
| 22 | Gas hydrate petroleum systems: What constitutes the â€œsealâ€?. Interpretation, 2020, 8, T231-T248. | 1.1 | 7 |
| 23 | Timeâ€Dependent Pore Filling. Water Resources Research, 2018, 54, 10,242. | 4.2 | 4 |
| 24 | Impact of Particle Sizes, Mineralogy and Pore Fluid Chemistry on the Plasticity of Clayey Soils. Sustainability, 2021, 13, 11741. | 3.2 | 4 |