

# Jianzhong Zhao

## List of Publications by Year in descending order

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times ranked

324  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Effect of horizontal wellbore on the production behavior from marine hydrate bearing sediment. Applied Energy, 2018, 214, 117-130.   | 5.1 | 80        |
| 2  | Tuning the fluid production behaviour of hydrate-bearing sediments by multi-stage depressurization. Chemical Engineering Journal, 2021, 406, 127174.   | 6.6 | 69        |
| 3  | Clathrate hydrate formation of CO <sub>2</sub> /CH <sub>4</sub> mixture at room temperature: Application to direct transport of CO <sub>2</sub> -containing natural gas. Applied Energy, 2019, 249, 190-203. | 5.1 | 52        |
| 4  | Micro-CT analysis of structural characteristics of natural gas hydrate in porous media during decomposition. Journal of Natural Gas Science and Engineering, 2016, 31, 139-148.                              | 2.1 | 44        |
| 5  | Effect of vertical wellbore incorporation on energy recovery from aqueous rich hydrate sediments. Applied Energy, 2018, 229, 637-647.  | 5.1 | 42        |
| 6  | Semi-clathrate hydrate process of methane in porous media-microporous materials of 5A-type zeolites. Fuel, 2018, 220, 185-191.   | 3.4 | 37        |
| 7  | Semi-clathrate hydrate process of methane in porous media-mesoporous materials of SBA-15. Fuel, 2018, 220, 446-452.  | 3.4 | 33        |
| 8  | Hydrate-Based Gas Separation for Methane Recovery from Coal Mine Gas using Tetrahydrofuran. Energy Technology, 2016, 4, 864-869.   | 1.8 | 24        |
| 9  | Experimental study on methane hydrate formation in quartz sand under tri-axial condition. Journal of Natural Gas Science and Engineering, 2021, 85, 103707.  | 2.1 | 20        |
| 10 | Recovering Natural Gas from Gas Hydrates using Horizontal Wellbore. Energy Procedia, 2017, 143, 780-785.   | 1.8 | 14        |
| 11 | Morphable three-dimensional electronic mesoflbers capable of on-demand unfolding. Science China Materials, 2022, 65, 2309-2318.  | 3.5 | 12        |
| 12 | Experimental Study on Fluid Production from Methane Hydrate Sediments under the Marine Triaxial Condition. Energy & Fuels, 2021, 35, 3915-3924.  | 2.5 | 11        |
| 13 | Separation of Methane from Coal Bed Gas via Hydrate Formation in the Presence of Tetrahydrofuran and Sodium Dodecyl Sulfate. Chemistry and Technology of Fuels and Oils, 2013, 49, 251-258.                  | 0.2 | 6         |
| 14 | Experimental Investigation of Effect on Hydrate Formation in Spray Reactor. Journal of Chemistry, 2015, 2015, 1-5.   | 0.9 | 5         |
| 15 | CH <sub>4</sub> Separation from Coal Bed Methane by Hydrate in the SDS and THF Solution. Journal of Chemistry, 2016, 2016, 1-6.  | 0.9 | 4         |
| 16 | Postbuckling Analysis of Ultra-Low Rigidity Serpentine Structures. Journal of Applied Mechanics, Transactions ASME, 2022, 89, .  | 1.1 | 4         |
| 17 | Experimental Study of Gas-Hydrate Dissociation Kinetics at Constant Temperatures Above 0°C. Chemistry and Technology of Fuels and Oils, 2017, 53, 787-793.   | 0.2 | 2         |