

Mingjun Yang

List of Publications by Year in descending order

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138
papers

5,316
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66234

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times ranked

1893
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Effects of underlying gas on formation and gas production of methane hydrate in muddy low-permeability cores. <i>Fuel</i> , 2022, 309, 122128. | 3.4 | 24 |
| 2 | Post-combustion CO ₂ capture and separation in flue gas based on hydrate technology—A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 154, 111806. | 8.2 | 52 |
| 3 | Gas production enhancement effect of underlying gas on methane hydrates in marine sediments by depressurization. <i>Fuel</i> , 2022, 310, 122415. | 3.4 | 24 |
| 4 | In-situ investigation on methane hydrate decomposition characteristics under variational seawater flow process. <i>Fuel</i> , 2022, 310, 122123. | 3.4 | 7 |
| 5 | Thermodynamics analysis and temperature response mechanism during methane hydrate production by depressurization. <i>Energy</i> , 2022, 241, 122902. | 4.5 | 17 |
| 6 | Production Characteristics of Natural Gas Hydrate in Muddy Marine Sediments of Different Moistures by Depressurization. <i>Energy & Fuels</i> , 2022, 36, 1522-1530. | 2.5 | 9 |
| 7 | The promoting effect and mechanisms of oxygen-containing groups on the enhanced formation of methane hydrate for gas storage. <i>Chemical Engineering Journal</i> , 2022, 435, 134917. | 6.6 | 11 |
| 8 | Experimental Study on Methane Hydrate Formation and Dissociation in the Sediments of South China Sea. <i>Lecture Notes in Civil Engineering</i> , 2022, , 170-178. | 0.3 | 0 |
| 9 | Thermodynamics analysis and ice behavior during the depressurization process of methane hydrate reservoir. <i>Energy</i> , 2022, 250, 123801. | 4.5 | 14 |
| 10 | Effects of Particle Sizes on Growth Characteristics of Propane Hydrate in Uniform/Nonuniform Sands for Desalination Application. <i>Energy & Fuels</i> , 2022, 36, 1003-1014. | 2.5 | 7 |
| 11 | Investigation on plugging prediction of multiphase flow in natural gas hydrate sediment with different field scales. <i>Fuel</i> , 2022, 325, 124936. | 3.4 | 32 |
| 12 | Effect of Methane Solubility on Hydrate Formation and Dissociation: Review and Perspectives. <i>Energy & Fuels</i> , 2022, 36, 7269-7283. | 2.5 | 5 |
| 13 | Experimental observation of methane hydrate dissociation via different depressurization modes under water phase flow. <i>Fuel</i> , 2021, 283, 118908. | 3.4 | 30 |
| 14 | Utilization of water-gas flow on natural gas hydrate recovery with different depressurization modes. <i>Fuel</i> , 2021, 288, 119583. | 3.4 | 16 |
| 15 | Experimental analysis on thermodynamic stability and methane leakage during solid fluidization process of methane hydrate. <i>Fuel</i> , 2021, 284, 119020. | 3.4 | 16 |
| 16 | Hydrate blockage observation and removal using depressurization in a fully visual flow loop. <i>Fuel</i> , 2021, 294, 120588. | 3.4 | 15 |
| 17 | Behaviors of NaCl Ions Intruding into Methane Hydrate under a Static Electric Field. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18483-18493. | 1.5 | 11 |
| 18 | Effects of temperature holding on methane hydrate decomposition process by thermal stimulation. <i>Journal of Chemical Thermodynamics</i> , 2021, 159, 106487. | 1.0 | 9 |

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|----|---|-----|-----------|
| 19 | Kinetics and spatial distribution of tetrahydrofuran/methane hydrate formation in an unstirred reactor: Application in natural gas storage. <i>Fuel</i> , 2021, 300, 121011. | 3.4 | 14 |
| 20 | The synthetic effect of traditional-thermodynamic-factors (temperature, salinity, pressure) and fluid flow on natural gas hydrate recovery behaviors. <i>Energy</i> , 2021, 233, 121147. | 4.5 | 18 |
| 21 | Ice behaviors and heat transfer characteristics during the isothermal production process of methane hydrate reservoirs by depressurization. <i>Energy</i> , 2021, 232, 121030. | 4.5 | 28 |
| 22 | Dynamic permeability and gas production characteristics of methane hydrate-bearing marine muddy cores: Experimental and modeling study. <i>Fuel</i> , 2021, 306, 121630. | 3.4 | 14 |
| 23 | Production Behaviors of Water-Saturated Methane Hydrate Deposits during the Depressurization with/without Thermal Water Compensation Process. <i>Energy & Fuels</i> , 2021, 35, 1638-1647. | 2.5 | 16 |
| 24 | Effect of NaCl concentration on depressurization-induced methane hydrate dissociation near ice-freezing point: Associated with metastable phases. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 96, 104304. | 2.1 | 2 |
| 25 | Quantitative analysis of CO ₂ hydrate formation in porous media by proton NMR. <i>AIChE Journal</i> , 2020, 66, e16820. | 1.8 | 27 |
| 26 | Quantitatively study on methane hydrate formation/decomposition process in hydrate-bearing sediments using low-field MRI. <i>Fuel</i> , 2020, 262, 116555. | 3.4 | 29 |
| 27 | NMR quantitative investigation on methane hydrate formation characteristics under different driving forces. <i>Fuel</i> , 2020, 261, 116364. | 3.4 | 28 |
| 28 | Experimental investigation on novel desalination system via gas hydrate. <i>Desalination</i> , 2020, 478, 114284. | 4.0 | 55 |
| 29 | Effect of multiphase flow on natural gas hydrate production in marine sediment. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 73, 103066. | 2.1 | 22 |
| 30 | New insights on water-gas flow and hydrate decomposition behaviors in natural gas hydrates deposits with various saturations. <i>Applied Energy</i> , 2020, 259, 114185. | 5.1 | 46 |
| 31 | New model for particle removal from surface in presence of deformed liquid bridge. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 268-272. | 5.0 | 9 |
| 32 | The enhancement effect of water-gas two-phase flow on depressurization process: Important for gas hydrate production. <i>Applied Energy</i> , 2020, 276, 115559. | 5.1 | 22 |
| 33 | Hydrate slurry flow characteristics influenced by formation, agglomeration and deposition in a fully visual flow loop. <i>Fuel</i> , 2020, 277, 118066. | 3.4 | 48 |
| 34 | Data on the critical condition of silica and ice particles removal from surface. <i>Data in Brief</i> , 2020, 29, 105363. | 0.5 | 0 |
| 35 | Formation and production characteristics of methane hydrates from marine sediments in a core holder. <i>Applied Energy</i> , 2020, 275, 115393. | 5.1 | 17 |
| 36 | Gas permeability characteristics of marine sediments with and without methane hydrates in a core holder. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 76, 103215. | 2.1 | 26 |

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|----|--|-----|-----------|
| 37 | Molecular dynamics simulation of the effects of different thermodynamic parameters on methane hydrate dissociation: An analysis of temperature, pressure and gas concentrations. <i>Fluid Phase Equilibria</i> , 2020, 516, 112606. | 1.4 | 17 |
| 38 | Visualization study on the promotion of natural gas hydrate production by water flow erosion. <i>Fuel</i> , 2019, 235, 63-71. | 3.4 | 65 |
| 39 | Effects of water-gas two-phase flow on methane hydrate dissociation in porous media. <i>Fuel</i> , 2019, 255, 115637. | 3.4 | 29 |
| 40 | A high-pressure visual flow loop for hydrate blockage detection and observation. <i>Review of Scientific Instruments</i> , 2019, 90, 074102. | 0.6 | 13 |
| 41 | MRI observation of CO ₂ -C ₃ H ₈ hydrate-induced water migration in glass sand. <i>Chemical Engineering Science</i> , 2019, 207, 1096-1106. | 1.9 | 17 |
| 42 | Hydrate reformation characteristics in natural gas hydrate dissociation process: A review. <i>Applied Energy</i> , 2019, 256, 113878. | 5.1 | 115 |
| 43 | Experimental investigation on the decomposition characteristics of natural gas hydrates in South China Sea sediments by a micro-differential scanning calorimeter. <i>Applied Energy</i> , 2019, 254, 113653. | 5.1 | 29 |
| 44 | Visualization study on the promotion of depressurization and water flow erosion for gas hydrate production. <i>Energy Procedia</i> , 2019, 158, 5563-5568. | 1.8 | 5 |
| 45 | In-situ observation of MH formation/decomposition in unconsolidated sands recovered from the South China Sea. <i>Energy Procedia</i> , 2019, 158, 5433-5438. | 1.8 | 2 |
| 46 | Effects of pressure and sea water flow on natural gas hydrate production characteristics in marine sediment. <i>Applied Energy</i> , 2019, 238, 274-283. | 5.1 | 55 |
| 47 | Gas production from different classes of methane hydrate deposits by the depressurization method. <i>International Journal of Energy Research</i> , 2019, 43, 5493-5505. | 2.2 | 21 |
| 48 | Dissociation characteristics of methane hydrate using depressurization combined with thermal stimulation. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 2089-2098. | 1.7 | 26 |
| 49 | Experimental investigation of natural gas hydrate production characteristics via novel combination modes of depressurization with water flow erosion. <i>Fuel</i> , 2019, 252, 295-303. | 3.4 | 41 |
| 50 | Experimental investigation into the dissociation of methane hydrate near ice-freezing point induced by depressurization and the concomitant metastable phases. <i>Journal of Natural Gas Science and Engineering</i> , 2019, 65, 125-134. | 2.1 | 22 |
| 51 | Progress and trends in hydrate based desalination (HBD) technology: A review. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 2037-2043. | 1.7 | 54 |
| 52 | Dissociation characteristics of methane hydrates in South China Sea sediments by depressurization. <i>Applied Energy</i> , 2019, 243, 266-273. | 5.1 | 67 |
| 53 | CO ₂ /N ₂ mixture sequestration in depleted natural gas hydrate reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2019, 175, 72-82. | 2.1 | 23 |
| 54 | Phase Equilibrium Data of CO ₂ -MCP Hydrates and CO ₂ Gas Uptake Comparisons with CO ₂ -CP Hydrates and CO ₂ -C ₃ H ₈ Hydrates. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 372-379. | 1.0 | 15 |

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| 55 | Displacement and Dissolution Characteristics of CO ₂ /Brine System in Unconsolidated Porous Media. <i>Transport in Porous Media</i> , 2018, 122, 595-609. | 1.2 | 2 |
| 56 | Experimental Analysis on the Probability Density Distribution of Methane Hydrate Induction Times in Porous Media. <i>ChemistrySelect</i> , 2018, 3, 3781-3786. | 0.7 | 8 |
| 57 | Effects of additives on continuous hydrate-based flue gas separation. <i>Applied Energy</i> , 2018, 221, 374-385. | 5.1 | 57 |
| 58 | Velocity mapping of steady water flow through methane hydrate bearing samples. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 53, 385-393. | 2.1 | 9 |
| 59 | CO ₂ sequestration in depleted methane hydrate deposits with excess water. <i>International Journal of Energy Research</i> , 2018, 42, 2536-2547. | 2.2 | 21 |
| 60 | Dynamic measurements of methane hydrate formation/dissociation in different gas flow direction. <i>Applied Energy</i> , 2018, 227, 703-709. | 5.1 | 29 |
| 61 | Measurement of water phase permeability in the methane hydrate dissociation process using a new method. <i>International Journal of Heat and Mass Transfer</i> , 2018, 118, 1316-1324. | 2.5 | 45 |
| 62 | CO ₂ sequestration in depleted methane hydrate sandy reservoirs. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 49, 428-434. | 2.1 | 41 |
| 63 | Production characteristics of two class water-excess methane hydrate deposits during depressurization. <i>Fuel</i> , 2018, 232, 99-107. | 3.4 | 60 |
| 64 | Permeability estimation of porous media by using an improved capillary bundle model based on micro-CT derived pore geometries. <i>Heat and Mass Transfer</i> , 2017, 53, 49-58. | 1.2 | 29 |
| 65 | Methane hydrate reformation in porous media with methane migration. <i>Chemical Engineering Science</i> , 2017, 168, 344-351. | 1.9 | 66 |
| 66 | Advances in nuclear magnetic resonance (NMR) techniques for the investigation of clathrate hydrates. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 74, 1346-1360. | 8.2 | 52 |
| 67 | Effects of Multiple Factors on Methane Hydrate Reformation in a Porous Medium. <i>ChemistrySelect</i> , 2017, 2, 6030-6035. | 0.7 | 8 |
| 68 | Methane Hydrate Formation and Decomposition Properties During Gas Migration in Porous Medium. <i>Energy Procedia</i> , 2017, 105, 4668-4673. | 1.8 | 12 |
| 69 | Behavior of CO ₂ /water flow in porous media for CO ₂ geological storage. <i>Magnetic Resonance Imaging</i> , 2017, 37, 100-106. | 1.0 | 11 |
| 70 | Enhanced CH ₄ recovery and CO ₂ storage via thermal stimulation in the CH ₄ /CO ₂ replacement of methane hydrate. <i>Chemical Engineering Journal</i> , 2017, 308, 40-49. | 6.6 | 207 |
| 71 | Gas recovery from depressurized methane hydrate deposits with different water saturations. <i>Applied Energy</i> , 2017, 187, 180-188. | 5.1 | 85 |
| 72 | Hydrate-based CO ₂ capture from flue gas in constant pressure process with the presence of THF. <i>Energy Procedia</i> , 2017, 142, 3939-3943. | 1.8 | 22 |

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|----|--|-----|-----------|
| 73 | The influence of electric field and peroxide of THF on the THF hydrate formation. Energy Procedia, 2017, 142, 3956-3961. | 1.8 | 4 |
| 74 | Analysis of the Physical Properties of Hydrate Sediments Recovered from the Pearl River Mouth Basin in the South China Sea: Preliminary Investigation for Gas Hydrate Exploitation. Energies, 2017, 10, 531. | 1.6 | 37 |
| 75 | Hydrate phase equilibrium for CH ₄ -CO ₂ -H ₂ O system in porous media. Canadian Journal of Chemical Engineering, 2016, 94, 1592-1598. | 0.9 | 15 |
| 76 | Methane hydrate formation in excess water simulating marine locations and the impact of thermal stimulation on energy recovery. Applied Energy, 2016, 177, 409-421. | 5.1 | 168 |
| 77 | In situ measurement of the dispersion coefficient of liquid/supercritical CO ₂ -CH ₄ in a sandpack using CT. RSC Advances, 2016, 6, 42367-42376. | 1.7 | 12 |
| 78 | A rapid method for the measurement and estimation of CO ₂ diffusivity in liquid hydrocarbon-saturated porous media using MRI. Magnetic Resonance Imaging, 2016, 34, 437-441. | 1.0 | 10 |
| 79 | Solar radiation transfer and performance analysis for a low concentrating photovoltaic/thermal system. Environmental Progress and Sustainable Energy, 2016, 35, 263-270. | 1.3 | 6 |
| 80 | Promotion of hydrate-based CO ₂ capture from flue gas by additive mixtures (THF) Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 462 Td ((tetrahy | 4.5 | 82 |
| 81 | Tetrahydrofuran hydrate decomposition characteristics in porous media. Russian Journal of Physical Chemistry A, 2016, 90, 2377-2382. | 0.1 | 3 |
| 82 | Hydrate-based heavy metal separation from aqueous solution. Scientific Reports, 2016, 6, 21389. | 1.6 | 42 |
| 83 | Experimental study of two-phase flow properties of CO ₂ -containing N ₂ in porous media. RSC Advances, 2016, 6, 59360-59369. | 1.7 | 6 |
| 84 | Investigation on the induction time of methane hydrate formation in porous media under quiescent conditions. Journal of Petroleum Science and Engineering, 2016, 145, 565-572. | 2.1 | 46 |
| 85 | Assessment of gas production from natural gas hydrate using depressurization, thermal stimulation and combined methods. RSC Advances, 2016, 6, 47357-47367. | 1.7 | 56 |
| 86 | Effect of fuel origin on synergy during co-gasification of biomass and coal in CO ₂ . Bioresource Technology, 2016, 200, 789-794. | 4.8 | 111 |
| 87 | Effect of depressurization pressure on methane recovery from hydrate-gas-water bearing sediments. Fuel, 2016, 166, 419-426. | 3.4 | 93 |
| 88 | Size Effect of Porous Media on Methane Hydrate Formation and Dissociation in an Excess Gas Environment. Industrial & Engineering Chemistry Research, 2016, 55, 7981-7991. | 1.8 | 108 |
| 89 | Pure methane, carbon dioxide, and nitrogen adsorption on anthracite from China over a wide range of pressures and temperatures: experiments and modeling. RSC Advances, 2015, 5, 52612-52623. | 1.7 | 35 |
| 90 | Experiment Study on Temperature Distribution in Water-Saturated Porous Media. Applied Magnetic Resonance, 2015, 46, 793-808. | 0.6 | 0 |

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| 91 | <i>In Situ</i> Observation of Methane Hydrate Dissociation under Different Backpressures. <i>Energy & Fuels</i> , 2015, 29, 3251-3256. | 2.5 | 31 |
| 92 | Effects of C ₃ H ₈ on hydrate formation and dissociation for integrated CO ₂ capture and desalination technology. <i>Energy</i> , 2015, 93, 1971-1979. | 4.5 | 56 |
| 93 | Methane hydrate formation/reformation in three experimental modes: A preliminary investigation of blockage prevention during exploitation. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 27, 1814-1820. | 2.1 | 33 |
| 94 | Evaluation of Gas Production from Methane Hydrate Sediments with Heat Transfer from Over-Underburden Layers. <i>Energy & Fuels</i> , 2015, 29, 1028-1039. | 2.5 | 32 |
| 95 | Microstructure Observations of Natural Gas Hydrate Occurrence in Porous Media Using Microfocus X-ray Computed Tomography. <i>Energy & Fuels</i> , 2015, 29, 4835-4841. | 2.5 | 81 |
| 96 | Investigation of the induction time for THF hydrate formation in porous media. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 24, 357-364. | 2.1 | 67 |
| 97 | In-situ visual observation for the formation and dissociation of methane hydrates in porous media by magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2015, 33, 485-490. | 1.0 | 45 |
| 98 | Application of X-ray CT investigation of CO ₂ -brine flow in porous media. <i>Experiments in Fluids</i> , 2015, 56, 1. | 1.1 | 9 |
| 99 | Effects of an additive mixture (THF+TBAB) on CO ₂ hydrate phase equilibrium. <i>Fluid Phase Equilibria</i> , 2015, 401, 27-33. | 1.4 | 32 |
| 100 | MRI investigation of water-oil two phase flow in straight capillary, bifurcate channel and monolayered glass bead pack. <i>Magnetic Resonance Imaging</i> , 2015, 33, 918-926. | 1.0 | 5 |
| 101 | Evaluation of gas production from methane hydrates using depressurization, thermal stimulation and combined methods. <i>Applied Energy</i> , 2015, 145, 265-277. | 5.1 | 328 |
| 102 | Dynamic stability characteristics of fluid flow in CO ₂ miscible displacements in porous media. <i>RSC Advances</i> , 2015, 5, 34839-34853. | 1.7 | 10 |
| 103 | Minimum miscibility pressure estimation for a CO ₂ /n-decane system in porous media by X-ray CT. <i>Experiments in Fluids</i> , 2015, 56, 1. | 1.1 | 20 |
| 104 | Effect of NaCl on methane hydrate formation and dissociation in porous media. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 27, 178-189. | 2.1 | 104 |
| 105 | Behaviour of hydrate-based technology for H ₂ /CO ₂ separation in glass beads. <i>Separation and Purification Technology</i> , 2015, 141, 170-178. | 3.9 | 24 |
| 106 | Density measurement and equal density temperature of CO ₂ +brine from Dagang formation from 313 to 363 K. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 141-148. | 1.2 | 2 |
| 107 | MRI measurements of CO ₂ -CH ₄ hydrate formation and dissociation in porous media. <i>Fuel</i> , 2015, 140, 126-135. | 3.4 | 53 |
| 108 | An experiment study on fluid heat and mass transfer properties in porous media using MRI. <i>Russian Journal of Physical Chemistry A</i> , 2014, 88, 2214-2219. | 0.1 | 2 |

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|-----|---|-----|-----------|
| 109 | The status of natural gas hydrate research in China: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 31, 778-791. | 8.2 | 235 |
| 110 | Hydrate phase equilibrium measurements for (THF+SDS+CO ₂ +N ₂) aqueous solution systems in porous media. <i>Fluid Phase Equilibria</i> , 2014, 370, 12-18. | 1.4 | 17 |
| 111 | Hydrate-based technology for CO ₂ capture from fossil fuel power plants. <i>Applied Energy</i> , 2014, 116, 26-40. | 5.1 | 118 |
| 112 | Effects of operating mode and pressure on hydrate-based desalination and CO ₂ capture in porous media. <i>Applied Energy</i> , 2014, 135, 504-511. | 5.1 | 66 |
| 113 | Density Measurement and PC-SAFT/tPC-PSAFT Modeling of the CO ₂ + H ₂ O System over a Wide Temperature Range. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 1400-1410. | 1.0 | 13 |
| 114 | CO ₂ Hydrate Formation Characteristics in a Water/Brine-Saturated Silica Gel. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 10753-10761. | 1.8 | 31 |
| 115 | Analysis of heat transfer effects on gas production from methane hydrate by depressurization. <i>International Journal of Heat and Mass Transfer</i> , 2014, 77, 529-541. | 2.5 | 143 |
| 116 | The effects of porous medium and temperature on exothermic tetrahydrofuran hydrate formation. <i>Journal of Chemical Thermodynamics</i> , 2014, 78, 167-174. | 1.0 | 11 |
| 117 | Dynamic measurements of hydrate based gas separation in cooled silica gel. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 322-330. | 2.9 | 22 |
| 118 | Study of the fluid flow characteristics in a porous medium for CO ₂ geological storage using MRI. <i>Magnetic Resonance Imaging</i> , 2014, 32, 574-584. | 1.0 | 5 |
| 119 | Measurement of Temperature Distribution for the Hydrate Formation and Dissociation in Porous Media. , 2014, , . | | 1 |
| 120 | In-situ observation for formation and dissociation of carbon dioxide hydrate in porous media by magnetic resonance imaging. <i>Science China Earth Sciences</i> , 2013, 56, 611-617. | 2.3 | 25 |
| 121 | Dynamic Measurements of CO ₂ Flow in Water Saturated Porous Medium at Low Temperature Using MRI. <i>Energy Procedia</i> , 2013, 37, 1267-1274. | 1.8 | 10 |
| 122 | Magnetic Resonance Imaging of CO ₂ /Water Two Phase Flow in Porous Media. <i>Energy Procedia</i> , 2013, 37, 6839-6845. | 1.8 | 6 |
| 123 | Numerical simulation of gas production from hydrate deposits using a single vertical well by depressurization in the Qilian Mountain permafrost, Qinghai-Tibet Plateau, China. <i>Energy</i> , 2013, 52, 308-319. | 4.5 | 117 |
| 124 | Effects of additive mixtures (THF/SDS) on carbon dioxide hydrate formation and dissociation in porous media. <i>Chemical Engineering Science</i> , 2013, 90, 69-76. | 1.9 | 63 |
| 125 | Study of Selected Factors Affecting Hydrate-Based Carbon Dioxide Separation from Simulated Fuel Gas in Porous Media. <i>Energy & Fuels</i> , 2013, 27, 3341-3348. | 2.5 | 67 |
| 126 | Effects of Additive Mixture (THF/SDS) on the Thermodynamic and Kinetic Properties of CO ₂ /H ₂ Hydrate in Porous Media. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 4911-4918. | 1.8 | 53 |

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|-----|---|-----|-----------|
| 127 | CO ₂ Hydrate Formation and Dissociation in Cooled Porous Media: A Potential Technology for CO ₂ Capture and Storage. <i>Environmental Science & Technology</i> , 2013, 47, 9739-9746. | 4.6 | 55 |
| 128 | In situ observation of hydrate growth habit in porous media using magnetic resonance imaging. <i>Europhysics Letters</i> , 2013, 101, 36004. | 0.7 | 19 |
| 129 | Numerical Simulation of Methane Production from Hydrates Induced by Different Depressurizing Approaches. <i>Energies</i> , 2012, 5, 438-458. | 1.6 | 49 |
| 130 | Heat Transfer Analysis of Methane Hydrate Sediment Dissociation in a Closed Reactor by a Thermal Method. <i>Energies</i> , 2012, 5, 1292-1308. | 1.6 | 48 |
| 131 | Characteristics of CO ₂ Hydrate Formation and Dissociation in Glass Beads and Silica Gel. <i>Energies</i> , 2012, 5, 925-937. | 1.6 | 43 |
| 132 | An experimental study on CO ₂ /water displacement in porous media using high-resolution Magnetic Resonance Imaging. <i>International Journal of Greenhouse Gas Control</i> , 2012, 10, 501-509. | 2.3 | 39 |
| 133 | Numerical Simulation of the Gas Production Behavior of Hydrate Dissociation by Depressurization in Hydrate-Bearing Porous Medium. <i>Energy & Fuels</i> , 2012, 26, 1681-1694. | 2.5 | 52 |
| 134 | Effects of Halogen Ions on Phase Equilibrium of Methane Hydrate in Porous Media. <i>International Journal of Thermophysics</i> , 2012, 33, 821-830. | 1.0 | 12 |
| 135 | MRI measurements of CO ₂ hydrate dissociation rate in a porous medium. <i>Magnetic Resonance Imaging</i> , 2011, 29, 1007-1013. | 1.0 | 36 |
| 136 | Equilibrium conditions for CO ₂ hydrate in porous medium. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 334-338. | 1.0 | 22 |
| 137 | An improved model for predicting hydrate phase equilibrium in marine sediment environment. <i>Journal of Natural Gas Chemistry</i> , 2010, 19, 241-245. | 1.8 | 20 |
| 138 | Influence of Pore Size, Salinity and Gas Composition upon the Hydrate Formation Conditions. <i>Chinese Journal of Chemical Engineering</i> , 2010, 18, 292-296. | 1.7 | 50 |