

Zheng Li

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

465
citations

933264

10
h-index

1199470

12
g-index

12
all docs

12
docs citations

12
times ranked

353
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Evaluation of CO ₂ removal from a CO ₂ + CH ₄ gas mixture using gas hydrate formation in liquid water and THF solutions. <i>Applied Energy</i> , 2015, 158, 133-141. | 5.1 | 87 |
| 2 | Performance evaluation of methane separation from coal mine gas by gas hydrate formation in a stirred reactor and in a fixed bed of silica sand. <i>Fuel</i> , 2015, 143, 586-594. | 3.4 | 69 |
| 3 | Precombustion CO ₂ capture using a hybrid process of adsorption and gas hydrate formation. <i>Energy</i> , 2016, 102, 621-629. | 4.5 | 48 |
| 4 | Preferential enclathration of CO ₂ into tetra-n-butyl phosphonium bromide semiclathrate hydrate in moderate operating conditions: Application for CO ₂ capture from shale gas. <i>Applied Energy</i> , 2017, 199, 370-381. | 5.1 | 48 |
| 5 | Phase Equilibrium Data of Gas Hydrates Formed from a CO ₂ + CH ₄ Gas Mixture in the Presence of Tetrahydrofuran. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 4110-4117. | 1.0 | 46 |
| 6 | Application of tetra-n-butyl ammonium bromide semi-clathrate hydrate for CO ₂ capture from unconventional natural gases. <i>Energy</i> , 2020, 197, 117209. | 4.5 | 39 |
| 7 | Morphology and kinetic investigation of TBAB/TBPB semiclathrate hydrates formed with a CO ₂ +CH ₄ gas mixture. <i>Journal of Crystal Growth</i> , 2019, 511, 79-88. | 0.7 | 38 |
| 8 | Phase equilibria and dissociation enthalpies for tetra-n-butylammonium chloride semiclathrate hydrates formed with CO ₂ , CH ₄ , and CO ₂ + CH ₄ . <i>Journal of Chemical Thermodynamics</i> , 2018, 117, 54-59. | 1.0 | 37 |
| 9 | Enhanced separation of carbon dioxide from a CO ₂ + CH ₄ gas mixture using a hybrid adsorption-hydrate formation process in the presence of coal particles. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 35, 1472-1479. | 2.1 | 26 |
| 10 | Investigation of CO ₂ Capture from a CO ₂ + CH ₄ Gas Mixture by Gas Hydrate Formation in the Fixed Bed of a Molecular Sieve. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 7973-7980. | 1.8 | 20 |
| 11 | Efficient CO ₂ Capture from a Simulated Shale Gas using Tetra- n -butylphosphonium Bromide Semiclathrate Hydrate. <i>Energy Procedia</i> , 2017, 105, 4904-4908. | 1.8 | 6 |
| 12 | Analysis of the Dissolution of CH ₄ /CO ₂ -Mixtures into Liquid Water and the Subsequent Hydrate Formation via In Situ Raman Spectroscopy. <i>Energies</i> , 2020, 13, 793. | 1.6 | 1 |