

Yohan Lee

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,122
citations

516215

16
h-index

794141

19
g-index

20
all docs

20
docs citations

20
times ranked

545
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism and kinetics of guest exchange in sII hydrate "Flue gas replacement as revealed by experimental and computational approaches for hydrocarbon recovery and CO ₂ sequestration. Chemical Engineering Journal, 2021, 417, 128119.	6.6	5
2	Natural gas hydrate resources and hydrate technologies: a review and analysis of the associated energy and global warming challenges. Energy and Environmental Science, 2021, 14, 5611-5668.	15.6	147
3	Optimal driving force for the dissociation of CH ₄ hydrates in hydrate-bearing sediments using depressurization. Energy, 2021, 223, 120047.	4.5	14
4	Influence of feed gas composition on structural transformation and guest exchange behaviors in sII hydrate "Flue gas replacement for energy recovery and CO ₂ sequestration. Energy, 2020, 207, 118299.	4.5	8
5	Influence of CH ₄ hydrate exploitation using depressurization and replacement methods on mechanical strength of hydrate-bearing sediment. Applied Energy, 2020, 277, 115569.	5.1	38
6	Influence of Competitive Inclusion of CO ₂ and N ₂ on sII Hydrate"Flue Gas Replacement for Energy Recovery and CO ₂ Sequestration. Environmental Science & Technology, 2020, 54, 7562-7569.	4.6	24
7	Thermodynamic and kinetic influences of NaCl on HFC-125a hydrates and their significance in gas hydrate-based desalination. Chemical Engineering Journal, 2019, 358, 598-605.	6.6	55
8	Structural transition induced by cage-dependent guest exchange in CH ₄ +C ₃ H ₈ hydrates with CO ₂ injection for energy recovery and CO ₂ sequestration. Applied Energy, 2018, 228, 229-239.	5.1	44
9	Guest enclathration and structural transition in CO ₂ + N ₂ + methylcyclopentane hydrates and their significance for CO ₂ capture and sequestration. Chemical Engineering Journal, 2017, 320, 43-49.	6.6	35
10	CH ₄ -CO ₂ replacement occurring in sII natural gas hydrates for CH ₄ recovery and CO ₂ sequestration. Energy Conversion and Management, 2017, 150, 356-364.	4.4	60
11	CH ₄ "Flue gas replacement occurring in sII hydrates and its significance for CH ₄ recovery and CO ₂ sequestration. Chemical Engineering Journal, 2017, 308, 50-58.	6.6	73
12	Accurate measurement of phase equilibria and dissociation enthalpies of HFC-134a hydrates in the presence of NaCl for potential application in desalination. Korean Journal of Chemical Engineering, 2016, 33, 1425-1430.	1.2	35
13	Investigation of Hydrate-induced Ice Desalination (HIID) and its application to a pretreatment of reverse osmosis (RO) process. Desalination, 2016, 395, 8-16.	4.0	26
14	Enclathration of CO ₂ as a co-guest of structure H hydrates and its implications for CO ₂ capture and sequestration. Applied Energy, 2016, 163, 51-59.	5.1	54
15	Enhanced CH ₄ Recovery Induced via Structural Transformation in the CH ₄ /CO ₂ Replacement That Occurs in sII Hydrates. Environmental Science & Technology, 2015, 49, 8899-8906.	4.6	45
16	CH ₄ recovery and CO ₂ sequestration using flue gas in natural gas hydrates as revealed by a micro-differential scanning calorimeter. Applied Energy, 2015, 150, 120-127.	5.1	116
17	Structure identification and dissociation enthalpy measurements of the CO ₂ + N ₂ hydrates for their application to CO ₂ capture and storage. Chemical Engineering Journal, 2014, 246, 20-26.	6.6	88
18	Evaluation of Hydrate Inhibition Performance of Water-soluble Polymers using Torque Measurement and Differential Scanning Calorimeter. Korean Chemical Engineering Research, 2014, 52, 814-820.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Experimental Verification of Methane-Carbon Dioxide Replacement in Natural Gas Hydrates Using a Differential Scanning Calorimeter. Environmental Science & Technology, 2013, 47, 13184-13190.	4.6	139
20	Hydrate-based pre-combustion capture of carbon dioxide in the presence of a thermodynamic promoter and porous silica gels. International Journal of Greenhouse Gas Control, 2013, 14, 193-199.	2.3	115