Sigurd Weidemann LÃ¸vseth

List of Publications by Year
in descending order

29 papers	586 citations	758635 12 h-index	610482 24 g-index
30 all docs	30 docs citations	30 times ranked	527 citing authors

#	Article	IF	Citations
1	Liquid and Dense Phase Thermal Conductivity Measurements of CO₂ + N₂ and CO₂ + CH₄ Mixtures at Temperatures from 223 K to 308 K and Pressures up to 20 MPa. Journal of Chemical & Engineering Data, 2021, 66, 4018-4029.	1.0	1
2	Depressurization of CO2 in a pipe: High-resolution pressure and temperature data and comparison with model predictions. Energy, 2020, 211, 118560.	4.5	22
3	Thermodynamics of the carbon dioxide plus nitrogen plus methane (CO2Â+ N2Â+ CH4) system: Measurements of vapor-liquid equilibrium data at temperatures from 223 to 298ÂK and verification of EOS-CG-2019 equation of state. Fluid Phase Equilibria, 2020, 509, 112444.	1.4	4
4	Thermodynamics of the carbon dioxide plus argon (CO2Â+ Ar) system: An improved reference mixture model and measurements of vapor-liquid, vapor-solid, liquid-solid and vapor-liquid-solid phase equilibrium data at the temperatures 213â€“299ÂK and pressures up to 16ÂMPa. Fluid Phase Equilibria, 2018, 466, 48-78.	1.4	13
5	Vapor - liquid equilibrium of the carbon dioxide/methane mixture at three isotherms. Fluid Phase Equilibria, 2018, 462, 44-58.	1.4	13
6	Vapor-liquid equilibrium data for the carbon dioxide and carbon monoxide (CO2Â+ÂCO) system at the temperatures 253, 273, 283 and 298ÂK and pressures up to 13ÂMPa. Fluid Phase Equilibria, 2018, 473, 37-49.	1.4	7
7	CO2 transport: Data and models â€“ A review. Applied Energy, 2016, 169, 499-523.	5.1	106
8	Measurements of CO2-rich Mixture Properties: Status and CCS Needs. Energy Procedia, 2016, 86, 469-478.	1.8	7
9	Vapor-liquid equilibrium data for the carbon dioxide and oxygen (CO2Â+ÂO2) system at the temperatures 218, 233, 253, 273, 288 and 298ÂK and pressures up to 14ÂMPa. Fluid Phase Equilibria, 2016, 421, 67-87.	1.4	37
10	Vaporâ€“liquid equilibrium data for the carbon dioxide and nitrogen (CO2Â+ÂN2) system at the temperatures 223, 270, 298 and 303ÂK and pressures up to 18ÂMPa. Fluid Phase Equilibria, 2016, 409, 207-241.	1.4	35
11	From Droplets to Process: Multilevel Research Approach to Reduce Emissions from LNG Processes. Energy Procedia, 2015, 64, 3-12.	1.8	4
12	Flow Pattern Transitions in and Hysteresis Effects of Falling Film Flow over Horizontal Tubes Related to LNG Heat Exchangers. Energy Procedia, 2015, 64, 23-32.	1.8	19
13	Formulating the optimization problem when using sequential quadratic programming applied to a simple LNG process. Computers and Chemical Engineering, 2015, 82, 1-12.	2.0	16
14	Accurate Phase Equilibrium Measurements of CO2 Mixtures. Energy Procedia, 2014, 51, 392-401.	1.8	10
15	Annotated bibliographyâ€”Use of optimization in LNG process design and operation. Computers and Chemical Engineering, 2014, 71, 391-414.	2.0	54
16	Experimental Investigations of Impurity Impact on CO2 Mixture Phase Equilibria. Energy Procedia, 2014, 63, 2589-2595.	1.8	5
17	Accurate Measurements of CO2 Rich Mixture Phase Equilibria Relevant for CCS Transport and Conditioning. Energy Procedia, 2013, 37, 2897-2903.	1.8	12
18	CO2Mix Project: Experimental Determination of Thermo Physical Properties of CO2-Rich Mixtures. Energy Procedia, 2013, 37, 2888-2896.	1.8	23

#	Article	IF	Citations
19	Optimization of a simple LNG process using sequential quadratic programming. Computers and Chemical Engineering, 2013, 56, 27-36.	2.0	69
20	Value Chain Analysis of CO2 Storage by Using the ECCO Tool: Storage Economics. Energy Procedia, 2013, 37, 7066-7077.	1.8	4
21	ECCO Tool: Analysis of CCS value chains. Energy Procedia, 2012, 23, 323-332.	1.8	3
22	ECCO tool for CO2 value chain case study analysis. Energy Procedia, 2011, 4, 2502-2509.	1.8	7
23	Er-doped fiber distributed feedback lasers: properties, applications and design considerations. , 2003, , .		7
24	Fundamental and higher order mode thresholds of DFB fiber lasers. Journal of Lightwave Technology, 2002, 20, 494-501.	2.7	18
25	Analysis of multiple wavelength DFB fiber lasers. IEEE Journal of Quantum Electronics, 2001, 37, 770-780.	1.0	11
26	Dynamic analysis of multiple wavelength DFB fiber lasers. IEEE Journal of Quantum Electronics, 2001, 37, 1237-1245.	1.0	10
27	A linearized optical directional-coupler modulator at 1.3 /spl mu/m. Journal of Lightwave Technology, 2000, 18, 1244-1249.	2.7	13
28	Fiber distributed-feedback lasers used as acoustic sensors in air. Applied Optics, 1999, 38, 4821.	2.1	56
29	<title>Contributions to wavelength shifts of DFB fiber lasers used as acoustic sensors in air</title>. , 1998, 3483, 69.		0