

Sigurd Weidemann LÃvseth

List of Publications by Year in descending order

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papers

586
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all docs

30
docs citations

30
times ranked

527
citing authors

#	ARTICLE	IF	CITATIONS
1	CO2 transport: Data and models – A review. Applied Energy, 2016, 169, 499-523.	5.1	106
2	Optimization of a simple LNG process using sequential quadratic programming. Computers and Chemical Engineering, 2013, 56, 27-36.	2.0	69
3	Fiber distributed-feedback lasers used as acoustic sensors in air. Applied Optics, 1999, 38, 4821.	2.1	56
4	Annotated bibliography – Use of optimization in LNG process design and operation. Computers and Chemical Engineering, 2014, 71, 391-414.	2.0	54
5	Vapor-liquid equilibrium data for the carbon dioxide and oxygen (CO ₂ +O ₂) system at the temperatures 218, 233, 253, 273, 288 and 298 ÅK and pressures up to 14 ÅMPa. Fluid Phase Equilibria, 2016, 421, 67-87.	1.4	37
6	Vapor-liquid equilibrium data for the carbon dioxide and nitrogen (CO ₂ +N ₂) system at the temperatures 223, 270, 298 and 303 ÅK and pressures up to 18 ÅMPa. Fluid Phase Equilibria, 2016, 409, 207-241.	1.4	35
7	CO ₂ Mix Project: Experimental Determination of Thermo Physical Properties of CO ₂ -Rich Mixtures. Energy Procedia, 2013, 37, 2888-2896.	1.8	23
8	Depressurization of CO ₂ in a pipe: High-resolution pressure and temperature data and comparison with model predictions. Energy, 2020, 211, 118560.	4.5	22
9	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
10	Fundamental and higher order mode thresholds of DFB fiber lasers. Journal of Lightwave Technology, 2002, 20, 494-501.	2.7	18
11	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
12	A linearized optical directional-coupler modulator at 1.3 /spl mu/m. Journal of Lightwave Technology, 2000, 18, 1244-1249.	2.7	13
13	Thermodynamics of the carbon dioxide plus argon (CO ₂ + 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 213 – 299 ÅK and pressures up to 16 ÅMPa. Fluid Phase Equilibria, 2018, 466, 48-78.	1.4	13
14	Vapor - liquid equilibrium of the carbon dioxide/methane mixture at three isotherms. Fluid Phase Equilibria, 2018, 462, 44-58.	1.4	13
15	Accurate Measurements of CO ₂ Rich Mixture Phase Equilibria Relevant for CCS Transport and Conditioning. Energy Procedia, 2013, 37, 2897-2903.	1.8	12
16	Analysis of multiple wavelength DFB fiber lasers. IEEE Journal of Quantum Electronics, 2001, 37, 770-780.	1.0	11
17	Dynamic analysis of multiple wavelength DFB fiber lasers. IEEE Journal of Quantum Electronics, 2001, 37, 1237-1245.	1.0	10
18	Accurate Phase Equilibrium Measurements of CO ₂ Mixtures. Energy Procedia, 2014, 51, 392-401.	1.8	10

#	ARTICLE	IF	CITATIONS
19	Er-doped fiber distributed feedback lasers: properties, applications and design considerations. , 2003, , .		7
20	ECCO tool for CO2 value chain case study analysis. Energy Procedia, 2011, 4, 2502-2509.	1.8	7
21	Measurements of CO2-rich Mixture Properties: Status and CCS Needs. Energy Procedia, 2016, 86, 469-478.	1.8	7
22	Vapor-liquid equilibrium data for the carbon dioxide and carbon monoxide (CO ₂ +CO) system at the temperatures 253, 273, 283 and 298ÅK and pressures up to 13ÅMPa. Fluid Phase Equilibria, 2018, 473, 37-49.	1.4	7
23	Experimental Investigations of Impurity Impact on CO2 Mixture Phase Equilibria. Energy Procedia, 2014, 63, 2589-2595.	1.8	5
24	Value Chain Analysis of CO2 Storage by Using the ECCO Tool: Storage Economics. Energy Procedia, 2013, 37, 7066-7077.	1.8	4
25	From Droplets to Process: Multilevel Research Approach to Reduce Emissions from LNG Processes. Energy Procedia, 2015, 64, 3-12.	1.8	4
26	Thermodynamics of the carbon dioxide plus nitrogen plus methane (CO ₂ + N ₂ + CH ₄) system: Measurements of vapor-liquid equilibrium data at temperatures from 223 to 298ÅK and verification of EOS-CG-2019 equation of state. Fluid Phase Equilibria, 2020, 509, 112444.	1.4	4
27	ECCO Tool: Analysis of CCS value chains. Energy Procedia, 2012, 23, 323-332.	1.8	3
28	Liquid and Dense Phase Thermal Conductivity Measurements of CO ₂ + N ₂ and CO ₂ + CH ₄ 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
29	<title>Contributions to wavelength shifts of DFB fiber lasers used as acoustic sensors in air</title>. , 1998, 3483, 69.		0