Morten Hammer

List of Publications by Year
in descending order

37 papers	808 citations	516215 16 h-index	500791 28 g-index
38 all docs	38 docs citations	38 times ranked	605 citing authors

#	Article	IF	Citations
1	Perturbation theories for fluids with short-ranged attractive forces: A case study of the Lennard-Jones spline fluid. Journal of Chemical Physics, 2022, 156, 104504.	1.2	6
2	Thermodynamic Model Evaluations for Hydrogen Pipeline Transportation. , 2022, , .		3
3	Equation of state for confined fluids. Journal of Chemical Physics, 2022, 156, .	1.2	4
4	Coupled CO2â€wellâ€reservoir simulation using a partitioned approach: effect of reservoir properties on well dynamics. , 2021, 11, 103-127.		0
5	A combined fluid-dynamic and thermodynamic model to predict the onset of rapid phase transitions in LNG spills. Journal of Loss Prevention in the Process Industries, 2021, 69, 104354.	1.7	7
6	Upward and downward two-phase flow of CO2 in a pipe: Comparison between experimental data and model predictions. International Journal of Multiphase Flow, 2021, 138, 103590.	1.6	4
7	Depressurization of CO2-N2 and CO2-He in a pipe: Experiments and modelling of pressure and temperature dynamics. International Journal of Greenhouse Gas Control, 2021, 109, 103361.	2.3	5
8	HLLC-type methods for compressible two-phase flow in ducts with discontinuous area changes. Computers and Fluids, 2021, 227, 105023.	1.3	4
9	Depressurization of CO2 in a pipe: High-resolution pressure and temperature data and comparison with model predictions. Energy, 2020, 211, 118560.	4.5	22
10	Accurate quantum-corrected cubic equations of state for helium, neon, hydrogen, deuterium and their mixtures. Fluid Phase Equilibria, 2020, 524, 112790.	1.4	14
11	Equation of state and force fields for Feynmanâ€"Hibbs-corrected Mie fluids. II. Application to mixtures of helium, neon, hydrogen, and deuterium. Journal of Chemical Physics, 2020, 152, 074507.	1.2	19
12	Choice of reference, influence of non-additivity, and present challenges in thermodynamic perturbation theory for mixtures. Journal of Chemical Physics, 2020, 152, 134106.	1.2	5
13	Equation of state and force fields for Feynmanâ€"Hibbs-corrected Mie fluids. I. Application to pure helium, neon, hydrogen, and deuterium. Journal of Chemical Physics, 2019, 151, .	1.2	23
14	Thermodynamic properties of the 3D Lennard-Jones/spline model. Molecular Physics, 2019, 117, 3754-3769.	0.8	21
15	Simulation of a Full-Scale CO2 Fracture Propagation Test. , 2018, , .		1
16	Predicting triggering and consequence of delayed LNG RPT. Journal of Loss Prevention in the Process Industries, 2018, 55, 124-133.	1.7	14
17	The spinodal of single- and multi-component fluids and its role in the development of modern equations of state. Fluid Phase Equilibria, 2017, 436, 98-112.	1.4	39
18	Thermodynamic models to accurately describe the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi>P</mml:mi><mml:mi>V</mml:mi><mml:mi>T</mml:mi><mml:mi>x</mml:mi><mml:mi>y</mr of water / carbon dioxide mixtures. Fluid Phase Equilibria, 2017, 442, 125-139.	1.4	39

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19	Well integrity for CO2 injection from ships: Simulation of the effect of flow and material parameters on thermal stresses. International Journal of Greenhouse Gas Control, 2017, 62, 130-141.	2.3	24
20	Thermodynamic Modeling with Equations of State: Present Challenges with Established Methods. Industrial & Engineering Chemistry Research, 2017, 56, 3503-3515.	1.8	95
21	Towards a thorough Validation of Simulation Tools for CO2 Pipeline Transport. Energy Procedia, 2017, 114, 6730-6740.	1.8	2
22	Computation of three-dimensional three-phase flow of carbon dioxide using a high-order WENO scheme. Journal of Computational Physics, 2017, 348, 1-22.	1.9	8
23	A fracture-propagation-control model for pipelines transporting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">CO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></m mixtures including a new method for material-model calibration. Engineering Structures, 2017, 143, 245-260.	2.6	16
24	CO2 transport: Data and models â€" A review. Applied Energy, 2016, 169, 499-523.	5.1	106
25	Key findings and recommendations from the IMPACTS project. International Journal of Greenhouse Gas Control, 2016, 54, 588-598.	2.3	15
26	Fracture propagation control in CO 2 pipelines: Validation of a coupled fluidâ€"structure model. Engineering Structures, 2016, 123, 192-212.	2.6	39
27	Depressurization of CO2-rich mixtures in pipes: Two-phase flow modelling and comparison with experiments. International Journal of Greenhouse Gas Control, 2015, 37, 398-411.	2.3	50
28	CO2 Capture from Off-shore Gas Turbines Using Supersonic Gas Separation. Energy Procedia, 2014, 63, 243-252.	1.8	18
29	Experiments and modelling of two-phase transient flow during pipeline depressurization of CO2 with various N2 compositions. Energy Procedia, 2014, 63, 2448-2457.	1.8	22
30	CO2 Pipeline Integrity: Comparison of a Coupled Fluid-structure Model and Uncoupled Two-curve Methods. Energy Procedia, 2014, 51, 382-391.	1.8	15
31	A method for simulating two-phase pipe flow with real equations of state. Computers and Fluids, 2014, 100, 45-58.	1.3	15
32	IMPACTS: Economic Trade-offs for CO2 Impurity Specification. Energy Procedia, 2014, 63, 7379-7388.	1.8	10
33	Need for experiments on shut-ins and depressurizations in CO2 injection wells. Energy Procedia, 2014, 63, 3022-3029.	1.8	10
34	Pipeline transport of CO2 mixtures: Models for transient simulation. International Journal of Greenhouse Gas Control, 2013, 15, 174-185.	2.3	65
35	CO2 Pipeline Integrity: A Coupled Fluid-structure Model Using a Reference Equation of State for CO2. Energy Procedia, 2013, 37, 3113-3122.	1.8	14
36	Method Using a Densityâ€"Energy State Function with a Reference Equation of State for Fluid-Dynamics Simulation of Vaporâ€"Liquidâ€"Solid Carbon Dioxide. Industrial & Engineering Chemistry Research, 2013, 52, 9965-9978.	1.8	33

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37	Time Efficient Solution of Phase Equilibria in Dynamic and Distributed Systems with Differential Algebraic Equation Solvers. Industrial & Engineering Chemistry Research, 2013, 52, 2130-2140.	1.8	19