

Yongan Gu

List of Publications by Year in descending order

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21
papers

928
citations

759233

12
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

745
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial Tensions of the Crude Oil + Reservoir Brine + CO ₂ Systems at Pressures up to 31 MPa and Temperatures of 27 °C and 58 °C. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 1242-1249.	1.9	178
2	Measurements of Molecular Diffusion Coefficients of Carbon Dioxide, Methane, and Propane in Heavy Oil under Reservoir Conditions. <i>Energy & Fuels</i> , 2006, 20, 2509-2517.	5.1	143
3	Wettability Determination of the Reservoir Brine~Reservoir Rock System with Dissolution of CO ₂ at High Pressures and Elevated Temperatures. <i>Energy & Fuels</i> , 2008, 22, 504-509.	5.1	117
4	Evaluation of Polymers as Direct Thickeners for CO ₂ Enhanced Oil Recovery. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 1069-1079.	1.9	97
5	Application of a Novel Polymer System in Chemical Enhanced Oil Recovery (EOR). <i>Colloid and Polymer Science</i> , 2003, 281, 1046-1054.	2.1	86
6	Determination of CO ₂ Minimum Miscibility Pressure from Measured and Predicted Equilibrium Interfacial Tensions. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 8918-8925.	3.7	86
7	A new solvent-based enhanced heavy oil recovery method: Cyclic production with continuous solvent injection. <i>Fuel</i> , 2014, 115, 426-433.	6.4	52
8	Gasflooding-assisted cyclic solvent injection (GA-CSI) for enhancing heavy oil recovery. <i>Fuel</i> , 2015, 140, 344-353.	6.4	30
9	Effects of polymers as direct CO ₂ thickeners on the mutual interactions between a light crude oil and CO ₂ . <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	22
10	Formation and stability of water-in-oil nanoemulsions with mixed surfactant using in situ combined condensation-dispersion method. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2039-2049.	1.7	20
11	Combined Cyclic Solvent Injection and Waterflooding in the Post-Cold Heavy Oil Production with Sand Reservoirs. <i>Energy & Fuels</i> , 2017, 31, 418-428.	5.1	19
12	Three different periods of CO ₂ dissolution into a light crude oil. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 330-343.	1.7	14
13	Minimum time-step criteria for the Galerkin finite element methods applied to one-dimensional parabolic partial differential equations. <i>Numerical Methods for Partial Differential Equations</i> , 2006, 22, 259-273.	3.6	11
14	Deposition of Spherical Particles onto Cylindrical Solid Surfaces. <i>Journal of Colloid and Interface Science</i> , 2002, 248, 315-328.	9.4	10
15	Deposition of Spherical Particles onto Cylindrical Solid Surfaces. <i>Journal of Colloid and Interface Science</i> , 2002, 248, 329-339.	9.4	9
16	Dynamic solvent process (DSP) for enhancing heavy oil recovery. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 832-841.	1.7	9
17	An Analytical Model for Determination of the Solvent Convective Dispersion Coefficient in the Vapor Extraction Heavy Oil Recovery Process. <i>Transport in Porous Media</i> , 2012, 92, 495-507.	2.6	8
18	Experimental determination of the Hamaker constants for solid-water-oil systems. <i>Journal of Adhesion Science and Technology</i> , 2001, 15, 1263-1283.	2.6	7

#	ARTICLE	IF	CITATIONS
19	Solvent-assisted water pressure cycling (SA-WPC) process in a thin heavy oil reservoir. <i>Fuel</i> , 2020, 270, 117195.	6.4	5
20	Development of Novel Silicon-Based Thickeners for a Supercritical CO ₂ Fracturing Fluid and Study on Its Rheological and Frictional Drag Behavior. <i>Energy & Fuels</i> , 2020, 34, 15752-15762.	5.1	4
21	Gas Pressure Cycling (GPC) and Solvent-Assisted Gas Pressure Cycling (SA-GPC) Enhanced Oil Recovery Processes in a Thin Heavy Oil Reservoir. <i>Energies</i> , 2020, 13, 5047.	3.1	1