

Jitendra Shital Sangwai

List of Publications by Year in descending order

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161
papers

5,421
citations

71102

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all docs

161
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161
times ranked

3002
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergistic effect of nickel nanoparticles with tetralin on the rheology and upgradation of extra heavy oil. <i>Fuel</i> , 2022, 308, 122035.	6.4	9
2	Effect of sodium tripolyphosphate (STPP) and tetrasodium pyrophosphate (TSPP) on the formation kinetics of CO ₂ hydrate in bulk and porous media in the presence of pure water and seawater relevant for CO ₂ sequestration. <i>International Journal of Greenhouse Gas Control</i> , 2022, 114, 103564.	4.6	10
3	Performance of thermophilic strain on the reduction of viscosity of crude oil under high pressure and high temperature conditions: Experiments and modeling. <i>Journal of Petroleum Science and Engineering</i> , 2022, 210, 110016.	4.2	7
4	Comprehensive Review on the Role of Surfactants in the Chemical Enhanced Oil Recovery Process. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 21-64.	3.7	71
5	Silica nanofluid in low salinity seawater containing surfactant and polymer: Oil recovery efficiency, wettability alteration and adsorption studies. <i>Journal of Petroleum Science and Engineering</i> , 2022, 211, 110148.	4.2	15
6	Effect of guest-dependent reference hydrate vapor pressure in thermodynamic modeling of gas hydrate phase equilibria, with various combinations of equations of state and activity coefficient models. <i>Fluid Phase Equilibria</i> , 2022, 556, 113356.	2.5	5
7	Effect of Methylamine, Amylamine, and Decylamine on the Formation and Dissociation Kinetics of CO ₂ Hydrate Relevant for Carbon Dioxide Sequestration. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 2672-2684.	3.7	17
8	Natural Gas Hydrates: Energy Locked in Cages. <i>Clean Energy Production Technologies</i> , 2022, , 155-171.	0.5	1
9	Evaluation of ionanofluid for chemical-enhanced oil recovery for matured crude oil reservoirs. <i>International Journal of Oil, Gas and Coal Technology</i> , 2022, 29, 329.	0.2	0
10	Experimental Study and ANN Analysis of Rheological Behavior of Mineral Oil-Based SiO ₂ Nanofluids. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2022, 29, 956-964.	2.9	8
11	Engineering the Wettability Alteration of Sandstone Using Surfactant-Assisted Functional Silica Nanofluids in Low-Salinity Seawater for Enhanced Oil Recovery. <i>ACS Engineering Au</i> , 2022, 2, 421-435.	5.1	15
12	Rheology of Cyclopentane sII Hydrate Slurry in Water-in-Model Oil Emulsions: Effect of Surfactant Concentration and Water Droplet Size Relevant for Flow Assurance. <i>Energy & Fuels</i> , 2022, 36, 6069-6082.	5.1	7
13	Pore-scale flow simulation of supercritical CO ₂ and oil flow for simultaneous CO ₂ geo-sequestration and enhanced oil recovery. <i>Environmental Science and Pollution Research</i> , 2022, 29, 76003-76025.	5.3	8
14	Pore-Scale Investigation and Performance Evaluation of SMART LowSal Flooding for Enhanced Oil Recovery from Matured Reservoirs Using a Lab-on-a-Chip. <i>Energy & Fuels</i> , 2022, 36, 8115-8127.	5.1	2
15	Stability of nanoparticle stabilized oil-in-water Pickering emulsion under high pressure and high temperature conditions: comparison with surfactant stabilized oil-in-water emulsion. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 1204-1217.	2.4	18
16	Effect of monovalent and divalent alkali [NaOH and Ca(OH) ₂] on the interfacial tension of pure hydrocarbon-water systems relevant for enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2021, 197, 107892.	4.2	12
17	Analysis of high performing graphene oxide nanosheets based non-damaging drilling fluids through rheological measurements and CFD studies. <i>Powder Technology</i> , 2021, 377, 379-395.	4.2	26
18	Kinetic and Morphology Study of Equimolar CO ₂ –CH ₄ Hydrate Formation in the Presence of Cyclooctane and L-Tryptophan. <i>Energy & Fuels</i> , 2021, 35, 636-648.	5.1	15

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19	Interaction of low salinity surfactant nanofluids with carbonate surfaces and molecular level dynamics at fluid-fluid interface at ScCO ₂ loading. Journal of Colloid and Interface Science, 2021, 586, 315-325.	9.4	27
20	Interaction of lubricants on the rheological and filtration loss properties of water-based drilling fluids. Petroleum Science and Technology, 2021, 39, 235-248.	1.5	3
21	Wettability Alteration of the Oil-Wet Carbonate by Viscosity-Augmented Guar Galactomannan for Enhanced Oil Recovery. ACS Applied Polymer Materials, 2021, 3, 1983-1994.	4.4	11
22	Impact of zinc oxide nanoparticles on the rheological and fluid-loss properties, and the hydraulic performance of non-damaging drilling fluid. Journal of Natural Gas Science and Engineering, 2021, 88, 103834.	4.4	29
23	Kinetics of Methane Hydrate Formation in the Presence of 1-Dodecyl-2-pyrrolidinone and Tetrahydrofuran in Pure Water. Industrial & Engineering Chemistry Research, 2021, 60, 7588-7598.	3.7	14
24	Natural Gas Hydrates in the Krishna-Godavari Basin Sediments under Marine Reservoir Conditions: Thermodynamics and Dissociation Kinetics using Thermal Stimulation. Energy & Fuels, 2021, 35, 8685-8698.	5.1	15
25	Polymer-Assisted Chemical Inhibitor Flooding: A Novel Approach for Energy Recovery from Hydrate-Bearing Sediments. Industrial & Engineering Chemistry Research, 2021, 60, 8043-8055.	3.7	12
26	Phase Equilibrium of Methane Hydrates in the Presence of MgBr ₂ , CaBr ₂ , and ZnBr ₂ Aqueous Solutions. Journal of Chemical & Engineering Data, 2021, 66, 2519-2530.	1.9	13
27	Impact of Biosurfactants, Surfactin, and Rhamnolipid Produced from <i>Bacillus subtilis</i> and <i>Pseudomonas aeruginosa</i> , on the Enhanced Recovery of Crude Oil and Its Comparison with Commercial Surfactants. Energy & Fuels, 2021, 35, 9883-9893.	5.1	11
28	A Comprehensive Review on Well Completion Operations and Artificial Lift Techniques for Methane Gas Production from Natural Gas Hydrate Reservoirs. Energy & Fuels, 2021, 35, 11740-11760.	5.1	20
29	CO ₂ –CH ₄ Hydrate Formation Using <i>l</i> -Tryptophan and Cyclooctane Employing a Conventional Stirred Tank Reactor. Energy & Fuels, 2021, 35, 13224-13239.	5.1	11
30	A systematic molecular investigation on Sodium Dodecyl Benzene Sulphonate (SDBS) as a Low Dosage Hydrate Inhibitor (LDHI) and the role of Benzene Ring in the structure. Journal of Molecular Liquids, 2021, 337, 116374.	4.9	19
31	Performance evaluation of esters and graphene nanoparticles as an additives on the rheological and lubrication properties of water-based drilling mud. Journal of Petroleum Science and Engineering, 2021, 204, 108680.	4.2	29
32	Nanofluids of silica nanoparticles in low salinity water with surfactant and polymer (SMART LowSal) for enhanced oil recovery. Journal of Molecular Liquids, 2021, 342, 117388.	4.9	25
33	Separation of coal mine methane gas mixture via sII and sH hydrate formation. Fuel, 2021, 305, 121467.	6.4	23
34	Chemical and structural characterisation of nC ₇ asphaltenes extracted from atmospheric tower bottom and low waxy crude oil from Indian reservoir. International Journal of Oil, Gas and Coal Technology, 2021, 26, 157.	0.2	1
35	Novel Surfactants for Enhanced Oil Recovery. Petroleum Engineering, 2021, , 207-223.	1.0	4
36	Low Salinity Surfactant Flooding: Role of Surfactant and Salt. Petroleum Engineering, 2021, , 225-243.	1.0	0

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37	High Pressure Rheology of Gas Hydrate in Multiphase Flow Systems. Lecture Notes in Civil Engineering, 2021, , 321-327.	0.4	12
38	Phase Equilibria and Kinetics of Methane Hydrate Formation and Dissociation in Krishnaâ€“Godavari Basin Marine Sediments. Lecture Notes in Civil Engineering, 2021, , 405-411.	0.4	4
39	Nanofluids of Kaolinite and Silica in Low Saline Seawater (LowSal) with and without Surfactant: Interfacial Tension and Wettability Alteration of Oilâ€“Waterâ€“Rock System for Low Salinity-Enhanced Oil Recovery. Industrial & Engineering Chemistry Research, 2021, 60, 291-313.	3.7	27
40	Effect of Asphaltenes on the Kinetics of Methane Hydrate Formation and Dissociation in Oil-in-Water Dispersion Systems Containing Light Saturated and Aromatic Hydrocarbons. Energy & Fuels, 2021, 35, 17410-17423.	5.1	8
41	Effect of Sodium Hydroxide on the Interfacial Tension of Hydrocarbonâ€“Water System. Lecture Notes in Civil Engineering, 2021, , 413-418.	0.4	1
42	Effect of Nanoparticles on the Viscosity Alteration of Vacuum Residue. Lecture Notes in Civil Engineering, 2021, , 419-424.	0.4	8
43	Rheology of heavy crude oil and asphaltene-polymer composite blends. , 2020, , 161-192.		4
44	High-Pressure Rheology of Methane Hydrate Sediment Slurry Using a Modified Couette Geometry. Industrial & Engineering Chemistry Research, 2020, 59, 4079-4092.	3.7	12
45	Zirconium oxide nanoparticle as an effective additive for non-damaging drilling fluid: A study through rheology and computational fluid dynamics investigation. Journal of Petroleum Science and Engineering, 2020, 187, 106826.	4.2	27
46	Investigations on the thermal and electrical conductivity of polyethylene glycol-based CuO and ZnO nanofluids. Indian Chemical Engineer, 2020, 62, 402-412.	1.5	6
47	Pore scale investigation of low salinity surfactant nanofluid injection into oil saturated sandstone via X-ray micro-tomography. Journal of Colloid and Interface Science, 2020, 562, 370-380.	9.4	78
48	Passive Mixer cum Reactor Using Threaded Inserts: Investigations of Flow, Mixing, and Heat Transfer Characteristics. Industrial & Engineering Chemistry Research, 2020, 59, 3943-3961.	3.7	11
49	Comprehensive Review on Exploration and Drilling Techniques for Natural Gas Hydrate Reservoirs. Energy & Fuels, 2020, 34, 11813-11839.	5.1	76
50	In Situ Wettability Investigation of Aging of Sandstone Surface in Alkane via X-ray Microtomography. Energies, 2020, 13, 5594.	3.1	6
51	Synergistic Effect of Brine System Containing Mixed Monovalent (NaCl, KCl) and Divalent ($MgCl_2$, $MgSO_4$) Salts on the Interfacial Tension of Pure Hydrocarbonâ€“Brine System Relevant for Low Salinity Water Flooding. Energy & Fuels, 2020, 34, 4201-4212.	5.1	14
52	High pressure rheological studies of methane hydrate slurries formed from water-hexane, water-heptane, and water-decane multiphase systems. Journal of Natural Gas Science and Engineering, 2020, 81, 103365.	4.4	26
53	Effect of Cyclooctane and l -Tryptophan on Hydrate Formation from an Equimolar CO_2 - CH_4 Gas Mixture Employing a Horizontal-Tray Packed Bed Reactor. Energy & Fuels, 2020, 34, 9840-9851.	5.1	23
54	Oil Recovery Efficiency and Mechanism of Low Salinity-Enhanced Oil Recovery for Light Crude Oil with a Low Acid Number. ACS Omega, 2020, 5, 1506-1518.	3.5	31

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55	Low Salinity Polymer Flooding: Effect on Polymer Rheology, Injectivity, Retention, and Oil Recovery Efficiency. <i>Energy & Fuels</i> , 2020, 34, 5715-5732.	5.1	53
56	Effect of Nanoparticles on the Performance of Drilling Fluids. <i>Green Energy and Technology</i> , 2020, , 279-297.	0.6	5
57	Interaction of Nanoparticles with Reservoir Fluids and Rocks for Enhanced Oil Recovery. <i>Green Energy and Technology</i> , 2020, , 299-328.	0.6	5
58	Characterization and rheology of Krishna-Godavari basin sediments. <i>Marine and Petroleum Geology</i> , 2019, 110, 275-286.	3.3	16
59	Wettability Alteration of Quartz Surface by Low-Salinity Surfactant Nanofluids at High-Pressure and High-Temperature Conditions. <i>Energy & Fuels</i> , 2019, 33, 7062-7068.	5.1	89
60	Formation and Dissociation Kinetics of Methane Hydrate in Aqueous Oilfield Polymer Solutions (Polyacrylamide, Xanthan Gum, and Guar Gum) and Their Performance Evaluation as Low-Dosage Kinetic Hydrate Inhibitors (LDHI). <i>Energy & Fuels</i> , 2019, 33, 6335-6349.	5.1	35
61	Insights into Cage Occupancies during Gas Exchange in CH ₄ +CO ₂ and CH ₄ +N ₂ +CO ₂ Mixed Hydrate Systems Relevant for Methane Gas Recovery and Carbon Dioxide Sequestration in Hydrate Reservoirs: A Thermodynamic Approach. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 14462-14475.	3.7	39
62	Effect of Al ₂ O ₃ nanoparticle on viscoelastic and filtration properties of a salt-polymer-based drilling fluid. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, , 1-13.	2.3	10
63	Computational and Experimental Study of Sand Entrapment in a Hydrocyclone During Desanding Operations in Oil Fields: Consequences for Leakage and Separation Efficiency. <i>SPE Production and Operations</i> , 2019, 34, 520-535.	0.6	4
64	Morphology Study of Mixed Methane-Tetrahydrofuran Hydrates with and without the Presence of Salt. <i>Energy & Fuels</i> , 2019, 33, 4865-4876.	5.1	41
65	Natural Gas Production from a Marine Clayey Hydrate Reservoir Formed in Seawater Using Depressurization at Constant Pressure, Depressurization by Constant Rate Gas Release, Thermal Stimulation, and Their Implications for Real Field Applications. <i>Energy & Fuels</i> , 2019, 33, 3108-3122.	5.1	30
66	Phase Equilibrium of Methane Hydrate in Aqueous Solutions of Polyacrylamide, Xanthan Gum, and Guar Gum. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 1650-1661.	1.9	26
67	Flow, mixing, and heat transfer in fluidic oscillators. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 542-559.	1.7	20
68	Low-Salinity Surfactant Nanofluid Formulations for Wettability Alteration of Sandstone: Role of the SiO ₂ Nanoparticle Concentration and Divalent Cation/SO ₄ ²⁻ Ratio. <i>Energy & Fuels</i> , 2019, 33, 739-746.	5.1	50
69	Synergistic effect of mixed anionic and cationic surfactant systems on the interfacial tension of crude oil-water and enhanced oil recovery. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 969-981.	2.4	47
70	Phase Equilibrium of Methane Hydrate in the Presence of Aqueous Solutions of Quaternary Ammonium Salts. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 2410-2419.	1.9	28
71	Wettability Alteration of Mineral Surface during Low-Salinity Water Flooding: Role of Salt Type, Pure Alkanes, and Model Oils Containing Polar Components. <i>Energy & Fuels</i> , 2018, 32, 3127-3137.	5.1	42
72	Gas Hydrates as a Potential Energy Resource for Energy Sustainability. <i>Green Energy and Technology</i> , 2018, , 265-287.	0.6	21

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73	Effect of Monovalent and Divalent Salts on the Interfacial Tension of <i>n</i> -Heptane against Aqueous Anionic Surfactant Solutions. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 2341-2350.	1.9	31
74	Semiclathrate Hydrate of Methane and Quaternary Ammonium Salts for Natural Gas Storage and Gas Separation. , 2018, , .		2
75	Effect of Polyethylene Glycol Aqueous Solution on Methane Production from an Artificial Hydrate Reservoir. , 2018, , .		0
76	Nanoparticle Stabilized Solvent-Based Emulsion for Enhanced Heavy Oil Recovery. , 2018, , .		13
77	Thermodynamic modeling of phase equilibria of clathrate hydrates formed from CH ₄ , CO ₂ , C ₂ H ₆ , N ₂ and C ₃ H ₈ , with different equations of state. <i>Journal of Chemical Thermodynamics</i> , 2018, 117, 180-192.	2.0	32
78	Effect of aromatic/aliphatic based ionic liquids on the phase behavior of methane hydrates: Experiments and modeling. <i>Journal of Chemical Thermodynamics</i> , 2018, 117, 9-20.	2.0	40
79	Kinetic and thermodynamic behavior of the biodegradation of waxy crude oil using <i>Bacillus subtilis</i> . <i>Journal of Petroleum Science and Engineering</i> , 2018, 160, 412-421.	4.2	13
80	Alleviation of Foam Formation in a Surfactant Driven Gas Hydrate System: Insights via a Detailed Morphological Study. <i>ACS Applied Energy Materials</i> , 2018, 1, 6899-6911.	5.1	64
81	Energy recovery from simulated clayey gas hydrate reservoir using depressurization by constant rate gas release, thermal stimulation and their combinations. <i>Applied Energy</i> , 2018, 225, 755-768.	10.1	117
82	Effect of a novel clay/silica nanocomposite on water-based drilling fluids: Improvements in rheological and filtration properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 339-350.	4.7	119
83	Investigations on the formation kinetics of semiclathrate hydrate of methane in an aqueous solution of tetra- <i>n</i> -butyl ammonium bromide and sodium dodecyl sulfate in porous media. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 2415-2422.	2.3	6
84	Polymer Flooding in Artificial Hydrate Bearing Sediments for Methane Gas Recovery. <i>Energy & Fuels</i> , 2018, 32, 6657-6668.	5.1	26
85	Silica nanofluids in polyacrylamide with and without surfactant: Viscosity, surface tension, and interfacial tension with liquid paraffin. <i>Journal of Petroleum Science and Engineering</i> , 2017, 152, 575-585.	4.2	91
86	Interfacial tension of crude oil-water system with imidazolium and lactam-based ionic liquids and their evaluation for enhanced oil recovery under high saline environment. <i>Fuel</i> , 2017, 191, 239-250.	6.4	83
87	Rheological investigation of a random copolymer of polyacrylamide and polyacryloyl hydrazide (PAM- <i>ran</i> - <i>PAH</i>) for oil recovery applications. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	19
88	Effect of biosurfactants produced by <i>Bacillus subtilis</i> and <i>Pseudomonas aeruginosa</i> on the formation kinetics of methane hydrates. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 43, 156-166.	4.4	25
89	High pressure rheology of gas hydrate formed from multiphase systems using modified Couette rheometer. <i>Review of Scientific Instruments</i> , 2017, 88, 025102.	1.3	48
90	Retention of Silica Nanoparticles in Limestone Porous Media. , 2017, , .		14

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91	Imidazolium-based ionic liquids as an anticorrosive agent for completion fluid design. Journal of Earth Science (Wuhan, China), 2017, 28, 949-961.	3.2	20
92	Effect of Imidazolium-Based Ionic Liquids on the Interfacial Tension of the Alkane-Water System and Its Influence on the Wettability Alteration of Quartz under Saline Conditions through Contact Angle Measurements. Industrial & Engineering Chemistry Research, 2017, 56, 13521-13534.	3.7	43
93	Thermodynamic modeling of phase equilibrium of carbon dioxide clathrate hydrate in aqueous solutions of promoters and inhibitors suitable for gas separation. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 709-722.	1.5	26
94	Effect of monovalent and divalent salts on the interfacial tension of pure hydrocarbon-brine systems relevant for low salinity water flooding. Journal of Petroleum Science and Engineering, 2017, 157, 1106-1114.	4.2	83
95	Effects of Imidazolium-Based Ionic Liquids on the Rheological Behavior of Heavy Crude Oil under High-Pressure and High-Temperature Conditions. Energy & Fuels, 2017, 31, 8764-8775.	5.1	22
96	Morphological Studies of Mixed Methane Tetrahydrofuran Hydrates in Saline Water for Energy Storage Application. Energy Procedia, 2017, 143, 786-791.	1.8	17
97	Enhanced microbial degradation of waxy crude oil: a review on current status and future perspective. International Journal of Oil, Gas and Coal Technology, 2017, 16, 130.	0.2	13
98	Effects of crude oil-water emulsions at various water-cut on the performance of the centrifugal pump. International Journal of Oil, Gas and Coal Technology, 2017, 16, 71.	0.2	1
99	Enhanced microbial degradation of waxy crude oil: a review on current status and future perspective. International Journal of Oil, Gas and Coal Technology, 2017, 16, 130.	0.2	0
100	Kinetics of methane hydrate formation in an aqueous solution of thermodynamic promoters (THF and Tj ETQq0 0 0 rgBT /Overlock 10 T 35, 1519-1534.	4.4	91
101	A study on the influence of nanofluids on gas hydrate formation kinetics and their potential: Application to the CO ₂ capture process. Journal of Natural Gas Science and Engineering, 2016, 32, 95-108.	4.4	101
102	Influence of thermal stimulation on the methane hydrate dissociation in porous media under confined reservoir. Journal of Petroleum Science and Engineering, 2016, 147, 547-559.	4.2	62
103	Gas Hydrate Equilibrium Measurement of Methane + Carbon Dioxide + Tetrahydrofuran+ Water System at High CO ₂ Concentrations. Procedia Engineering, 2016, 148, 1220-1224.	1.2	24
104	Influence of thermophilic Bacillus subtilis YB7 on the biodegradation of long chain paraffinic hydrocarbons (C ₁₆ H ₃₄ to C ₃₆ H ₇₄). RSC Advances, 2016, 6, 82541-82552.	3.6	5
105	Efficacy of Bacillus subtilis for the biodegradation and viscosity reduction of waxy crude oil for enhanced oil recovery from mature reservoirs. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 2327-2335.	2.3	6
106	Phase Equilibrium of the Methane Hydrate System in the Presence of Mixed Promoters (THF + TBAB) and the Effect of Inhibitors (NaCl, Methanol, and Ethylene Glycol). Journal of Chemical & Engineering Data, 2016, 61, 3607-3617.	1.9	29
107	Spectroscopic investigations to understand the enhanced dissolution of heavy crude oil in the presence of lactam, alkyl ammonium and hydroxyl ammonium based ionic liquids. Journal of Molecular Liquids, 2016, 221, 323-332.	4.9	14
108	Silica Nanofluids in an Oilfield Polymer Polyacrylamide: Interfacial Properties, Wettability Alteration, and Applications for Chemical Enhanced Oil Recovery. Industrial & Engineering Chemistry Research, 2016, 55, 12387-12397.	3.7	180

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109	A robust model for the phase stability of clathrate hydrate of methane in an aqueous systems of TBAB, TBAB+NaCl and THF suitable for storage and transportation of natural gas. Journal of Natural Gas Science and Engineering, 2016, 33, 509-517.	4.4	37
110	Effect of molecular weight of polyethylene glycol (PEG), a hydrate inhibitive water-based drilling fluid additive, on the formation and dissociation kinetics of methane hydrate. Journal of Natural Gas Science and Engineering, 2016, 35, 1441-1452.	4.4	35
111	Effect of Nanofluids of CuO and ZnO in Polyethylene Glycol and Polyvinylpyrrolidone on the Thermal, Electrical, and Filtration-Loss Properties of Water-Based Drilling Fluids. SPE Journal, 2016, 21, 405-415.	3.1	94
112	A hybrid differential evolution algorithm approach towards assisted history matching and uncertainty quantification for reservoir models. Journal of Petroleum Science and Engineering, 2016, 142, 21-35.	4.2	10
113	Effect of Alkyl Ammonium Ionic Liquids on the Interfacial Tension of the Crude Oil-Water System and Their Use for the Enhanced Oil Recovery Using Ionic Liquid-Polymer Flooding. Energy & Fuels, 2016, 30, 2514-2523.	5.1	71
114	Systematic investigations on the biodegradation and viscosity reduction of long chain hydrocarbons using Pseudomonas aeruginosa and Pseudomonas fluorescens. Environmental Sciences: Processes and Impacts, 2016, 18, 386-397.	3.5	8
115	Eco-Efficient Method for the Dissolution Enhancement of Heavy Crude Oil Using Ionic Liquids. , 2015, , .		3
116	Nature friendly Application of Ionic Liquids for Dissolution Enhancement of Heavy Crude Oil. , 2015, , .		12
117	Effects of Electrolytes on the Stability and Dynamic Rheological Properties of an Oil-in-Water Pickering Emulsion Stabilized by a Nanoparticle-Surfactant-Polymer System. Industrial & Engineering Chemistry Research, 2015, 54, 5842-5852.	3.7	29
118	Effect of NaCl, methanol and ethylene glycol on the phase equilibrium of methane hydrate in aqueous solutions of tetrahydrofuran (THF) and tetra-n-butyl ammonium bromide (TBAB). Fluid Phase Equilibria, 2015, 402, 9-17.	2.5	57
119	Effect of Molecular Weight of Polyethylene Glycol on the Equilibrium Dissociation Pressures of Methane Hydrate System. Journal of Chemical & Engineering Data, 2015, 60, 1878-1885.	1.9	41
120	The Performance of Toluene and Naphtha as Viscosity and Drag Reducing Solvents for the Pipeline Transportation of Heavy Crude Oil. Petroleum Science and Technology, 2015, 33, 952-960.	1.5	19
121	Use of Oil-in-water Pickering Emulsion Stabilized by Nanoparticles in Combination With Polymer Flood for Enhanced Oil Recovery. Petroleum Science and Technology, 2015, 33, 1595-1604.	1.5	68
122	An efficient model for the prediction of CO ₂ hydrate phase stability conditions in the presence of inhibitors and their mixtures. Journal of Chemical Thermodynamics, 2015, 85, 163-170.	2.0	44
123	Estimation of uncertainty in sonic porosity using microcomputerized tomography images. Journal of Petroleum Science and Engineering, 2015, 125, 100-106.	4.2	2
124	Viscoelastic Properties of Oil-in-Water (o/w) Pickering Emulsion Stabilized by Surfactant-Polymer and Nanoparticle-Surfactant-Polymer Systems. Industrial & Engineering Chemistry Research, 2015, 54, 1576-1584.	3.7	63
125	Use of Aromatic Ionic Liquids in the Reduction of Surface Phenomena of Crude Oil-Water System and their Synergism with Brine. Industrial & Engineering Chemistry Research, 2015, 54, 968-978.	3.7	64
126	Kinetics of methane hydrate formation in the presence of activated carbon and nano-silica suspensions in pure water. Journal of Natural Gas Science and Engineering, 2015, 26, 810-818.	4.4	90

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127	Substantial Enhancement of Heavy Crude Oil Dissolution in Low Waxy Crude Oil in the Presence of Ionic Liquid. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7999-8009.	3.7	23
128	Thermodynamic modeling of binary phase diagram of 2-amino-2-methyl-1, 3-propanediol and TRIS(hydroxymethyl)aminomethane system with experimental verification. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2015, 50, 126-133.	1.6	11
129	Synergistic effect of lactam, ammonium and hydroxyl ammonium based ionic liquids with and without NaCl on the surface phenomena of crude oil/water system. <i>Fluid Phase Equilibria</i> , 2015, 398, 80-97.	2.5	48
130	Comparative effectiveness of production performance of Pickering emulsion stabilized by nanoparticle-surfactant-polymer over surfactant-polymer (SP) flooding for enhanced oil recovery for Brownfield reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2015, 129, 221-232.	4.2	97
131	Action of biosurfactant producing thermophilic <i>Bacillus subtilis</i> on waxy crude oil and long chain paraffins. <i>International Biodeterioration and Biodegradation</i> , 2015, 105, 168-177.	3.9	36
132	Biosurfactant from <i>Pseudomonas</i> species with waxes as carbon source - Their production, modeling and properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 31, 100-111.	5.8	30
133	Enhanced Oil Recovery Techniques for Indian Reservoirs. <i>Springer Geology</i> , 2015, , 237-269.	0.3	3
134	Bioremediation of Coastal and Marine Pollution due to Crude Oil Using a Microorganism <i>Bacillus subtilis</i> . <i>Procedia Engineering</i> , 2015, 116, 213-220.	1.2	34
135	Fast degradation and viscosity reduction of waxy crude oil and model waxy crude oil using <i>Bacillus subtilis</i> . <i>Journal of Petroleum Science and Engineering</i> , 2015, 134, 158-166.	4.2	27
136	Adsorption of aliphatic ionic liquids at low waxy crude oil-water interfaces and the effect of brine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 468, 62-75.	4.7	54
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