

Sivabalan Sakthivel

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

738
citations

516561

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642610

23
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all docs

26
docs citations

26
times ranked

433
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of ammonium based ionic liquids on the rheological behavior of the heavy crude oil for high pressure and high temperature conditions. <i>Petroleum</i> , 2022, 8, 552-566.	1.3	4
2	Imidazolium based ionic liquid stabilized foams for conformance control: bulk and porous scale investigation. <i>RSC Advances</i> , 2021, 11, 29711-29727.	1.7	8
3	Carbon Dots Stabilized Foam for Enhanced Oil Recovery. , 2021, , .		1
4	Specificity and Synergy at the Oil-Brine Interface: New Insights from Experiments and Molecular Dynamics Simulations. <i>Energy & Fuels</i> , 2021, 35, 14647-14657.	2.5	15
5	Enhanced oil recovery by spontaneous imbibition of imidazolium based ionic liquids on the carbonate reservoir. <i>Journal of Molecular Liquids</i> , 2021, 340, 117301.	2.3	18
6	Spontaneous imbibition characteristics of carbon nanofluids in carbonate reservoirs. <i>Energy Reports</i> , 2021, 7, 4235-4248.	2.5	10
7	Wettability Alteration of Carbonate Reservoirs Using Imidazolium-Based Ionic Liquids. <i>ACS Omega</i> , 2021, 6, 30315-30326.	1.6	16
8	Carbon nanodots for enhanced oil recovery in carbonate reservoirs. <i>Energy Reports</i> , 2021, 7, 8943-8959.	2.5	14
9	Wettability Alteration in Carbonate Reservoirs by Carbon Nanofluids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 598, 124819.	2.3	38
10	Eco-efficient rheological improvement of heavy crude oil using lactam based ionic liquids at high temperature high pressure condition. <i>Fuel</i> , 2020, 276, 118027.	3.4	18
11	Experimental Evaluation of Carbon Dots Stabilized Foam for Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2019, 33, 9629-9643.	2.5	35
12	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.	1.0	40
13	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.	3.4	83
14	Imidazolium-based ionic liquids as an anticorrosive agent for completion fluid design. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 949-961.	1.1	20
15	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. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 13521-13534.	1.8	43
16	Effects of Imidazolium-Based Ionic Liquids on the Rheological Behavior of Heavy Crude Oil under High-Pressure and High-Temperature Conditions. <i>Energy & Fuels</i> , 2017, 31, 8764-8775.	2.5	22
17	Spectroscopic investigations to understand the enhanced dissolution of heavy crude oil in the presence of lactam, alkyl ammonium and hydroxyl ammonium based ionic liquids. <i>Journal of Molecular Liquids</i> , 2016, 221, 323-332.	2.3	14
18	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. <i>Energy & Fuels</i> , 2016, 30, 2514-2523.	2.5	71

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19	Eco-Efficient Method for the Dissolution Enhancement of Heavy Crude Oil Using Ionic Liquids. , 2015, , .		3
20	Nature friendly Application of Ionic Liquids for Dissolution Enhancement of Heavy Crude Oil. , 2015, , .		12
21	Use of Aromatic Ionic Liquids in the Reduction of Surface Phenomena of Crude Oilâ€“Water System and their Synergism with Brine. Industrial & Engineering Chemistry Research, 2015, 54, 968-978.	1.8	64
22	Substantial Enhancement of Heavy Crude Oil Dissolution in Low Waxy Crude Oil in the Presence of Ionic Liquid. Industrial & Engineering Chemistry Research, 2015, 54, 7999-8009.	1.8	23
23	Synergistic effect of lactam, ammonium and hydroxyl ammonium based ionic liquids with and without NaCl on the surface phenomena of crude oil/water system. Fluid Phase Equilibria, 2015, 398, 80-97.	1.4	48
24	Adsorption of aliphatic ionic liquids at low waxy crude oilâ€“water interfaces and the effect of brine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 468, 62-75.	2.3	54
25	Eco-efficient and green method for the enhanced dissolution of aromatic crude oil sludge using ionic liquids. RSC Advances, 2014, 4, 31007-31018.	1.7	30
26	Experimental Investigation on the Effect of Aliphatic Ionic Liquids on the Solubility of Heavy Crude Oil Using UVâ€“Visible, Fourier Transform-Infrared, and ¹³ C NMR Spectroscopy. Energy & Fuels, 2014, 28, 6151-6162.	2.5	34