

Azza Abbas

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

393
citations

840776

11
h-index

794594

19
g-index

27
all docs

27
docs citations

27
times ranked

253
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of nanoprecipitation on crystalline starch nanoparticle formed by ultrasonic assisted weak-acid hydrolysis of cassava starch and the rheology of their solutions. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 142, 107556.	3.6	49
2	Ultrasonic assisted ultrafiltration process for emulsification of oil field produced water treatment. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 214-222.	8.2	39
3	An insight into a di-chain surfactant adsorption onto sandstone minerals under different salinity-temperature conditions: Chemical EOR applications. <i>Chemical Engineering Research and Design</i> , 2020, 153, 657-665.	5.6	37
4	Application of polymeric nanofluid in enhancing oil recovery at reservoir condition. <i>Journal of Petroleum Science and Engineering</i> , 2020, 194, 107476.	4.2	37
5	Ultrasound-assisted weak-acid hydrolysis of crystalline starch nanoparticles for chemical enhanced oil recovery. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 1251-1271.	7.5	30
6	Numerical study for continuous surfactant flooding considering adsorption in heterogeneous reservoir. <i>Journal of King Saud University, Engineering Sciences</i> , 2020, 32, 91-99.	2.0	25
7	Synergy of the flow behaviour and disperse phase of cellulose nanoparticles in enhancing oil recovery at reservoir condition. <i>PLoS ONE</i> , 2019, 14, e0220778.	2.5	23
8	Comparative study of continuous and intermittent ultrasonic ultrafiltration membrane for treatment of synthetic produced water containing emulsion. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 132, 137-147.	3.6	18
9	Comparative numerical study for polymer alternating gas (PAG) flooding in high permeability condition. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	15
10	Uncertainty analysis of hydrocarbon in place calculation using 3D seismic and well data during appraisal stage – Case study of Goldie Field, offshore Sarawak. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 57, 238-265.	4.4	13
11	Effect of dynamic spreading and the disperse phase of crystalline starch nanoparticles in enhancing oil recovery at reservoir condition of a typical sarawak oil field. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 263-279.	3.1	13
12	Micelle Formation of Aerosol-OT Surfactants in Sea Water Salinity. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 2515-2519.	3.0	12
13	Modelling of continuous surfactant flooding application for marginal oilfields: a case study of Bentiu reservoir. <i>Journal of Petroleum Exploration and Production</i> , 2021, 11, 989-1006.	2.4	12
14	Utilizing Ultrasonic Waves in the Investigation of Contact Stresses, Areas, and Embedment of Spheres in Manufactured Materials Replicating Proppants and Brittle Rocks. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 11635-11650.	3.0	12
15	Comparative study of natural chemical for enhanced oil recovery: Focus on extraction and adsorption at quartz sand surface. <i>Petroleum</i> , 2023, 9, 83-93.	2.8	10
16	Toward Reducing Surfactant Adsorption on Clay Minerals by Lignin for Enhanced Oil Recovery Application. <i>ACS Omega</i> , 2021, 6, 18651-18662.	3.5	9
17	Influence of Ultrasonic on the Flow Behavior and Disperse Phase of Cellulose Nano-particles at Fluid–Fluid Interface. <i>Natural Resources Research</i> , 2020, 29, 1427-1446.	4.7	7
18	Study of Sulfosuccinate and Extended Sulfated Sodium Surfactants on the Malaysian Crude/Water Properties for ASP Application in Limestone. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 6915-6924.	3.0	6

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19	Lignin As a Potential Additive For Minimizing Surfactant Adsorption On Clay Minerals In Different Electrolyte Concentration. , 2019, , .		5
20	Assessment of Pilot Water Shut Off in High Water Production Wells: Case Study in Sudan. International Journal of Petrochemical Science & Engineering, 2017, 2, .	0.2	4
21	A Systematic Study to Assess Displacement Performance of a Naturally-Derived Surfactant in Flow Porous Systems. Energies, 2021, 14, 8310.	3.1	4
22	Impact of Geological Interpretation on Reservoir 3D Static Model: Workflow, Methodology Approach and Delivery Process. , 2019, , .		3
23	Aerosol-OT Micellization Study Under Oil Reservoir Condition. Advanced Science Letters, 2018, 24, 3873-3876.	0.2	3
24	Cyclic Steam Stimulation Effect on Skin Factor Reviewed Case Study. Applied Mechanics and Materials, 0, 818, 287-290.	0.2	2
25	Adsorption of Aerosol-OT on Clay Minerals at High Sodium Salt Concentration. Advanced Science Letters, 2018, 24, 4372-4376.	0.2	2
26	Lignin adsorption in sandpacks during horizontal flow using UV-Vis spectrometry as a quantification tool. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	2
27	Transient pressure analysis for vertical oil exploration wells: a case of Moga field. Journal of Petroleum Exploration and Production, 2018, 8, 521-529.	2.4	1