

Augustine Agi

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,336
citations

293460

24
h-index

242451

47
g-index

55
all docs

55
docs citations

55
times ranked

1733
citing authors

#	ARTICLE	IF	CITATIONS
1	Designed mesoporous silica nanoparticles to mitigate against reservoir fines migration. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 2677-2692.	2.9	3
2	Application of iron oxide nanoparticles in oil recovery – A critical review of the properties, formulation, recent advances and prospects. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109438.	2.1	32
3	Mechanistic study of nanoparticles-assisted xanthan gum polymer flooding for enhanced oil recovery: a comparative study. <i>Journal of Petroleum Exploration and Production</i> , 2022, 12, 207-213.	1.2	12
4	Extraction, characterization and evaluation of saponin-based natural surfactant for enhanced oil recovery. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	16
5	Application of Polymers for Chemical Enhanced Oil Recovery: A Review. <i>Polymers</i> , 2022, 14, 1433.	2.0	55
6	SDS – Aluminum Oxide Nanofluid for Enhanced Oil Recovery: IFT, Adsorption, and Oil Displacement Efficiency. <i>ACS Omega</i> , 2022, 7, 14022-14030.	1.6	25
7	Surface modification of nanoparticles to improve oil recovery Mechanisms: A critical review of the methods, influencing Parameters, advances and prospects. <i>Journal of Molecular Liquids</i> , 2022, 360, 119502.	2.3	21
8	Current developments and future outlook in nanofluid flooding: A comprehensive review of various parameters influencing oil recovery mechanisms. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 138-162.	2.9	71
9	Development and Identification of Petrophysical Rock Types for Effective Reservoir Characterization: Case Study of the Kristine Field, Offshore Sabah. <i>Natural Resources Research</i> , 2021, 30, 2497-2511.	2.2	7
10	Facile purification of palygorskite and its effect on the performance of reverse osmosis thin film nanocomposite membrane. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1832-1841.	1.6	2
11	Formulation of bionanomaterials: A review of particle design towards oil recovery applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 82-102.	2.9	16
12	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.	1.2	12
13	Huff-n-Puff Technology for Enhanced Oil Recovery in Shale/Tight Oil Reservoirs: Progress, Gaps, and Perspectives. <i>Energy & Fuels</i> , 2021, 35, 17279-17333.	2.5	41
14	Effect of the surface charge of entrapped polypropylene at nanosilica-composite on cuttings transport capacity of water-based muds. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 61-82.	1.6	23
15	Study of cuttings lifting with different annular velocities using partially hydrolyzed polyacrylamide and enriched polypropylene – nanosilica composite in deviated and horizontal wells. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 971-993.	1.6	9
16	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.	2.2	7
17	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.	1.6	13
18	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.	3.6	30

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19	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.	2.7	37
20	Comparing natural and synthetic polymeric nanofluids in a mid-permeability sandstone reservoir condition. <i>Journal of Molecular Liquids</i> , 2020, 317, 113947.	2.3	25
21	Influence of (3-aminopropyl) triethoxysilane on silica nanoparticle for enhanced oil recovery. <i>Journal of Molecular Liquids</i> , 2020, 315, 113740.	2.3	33
22	Comparative numerical study for polymer alternating gas (PAG) flooding in high permeability condition. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	15
23	Synergistic application of aluminium oxide nanoparticles and oilfield polyacrylamide for enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2019, 182, 106345.	2.1	72
24	A novel approach to enhance rheological and filtration properties of water-based mud using polypropylene-silica nanocomposite. <i>Journal of Petroleum Science and Engineering</i> , 2019, 181, 106264.	2.1	37
25	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.	1.1	23
26	An overview of chemical enhanced oil recovery: recent advances and prospects. <i>International Nano Letters</i> , 2019, 9, 171-202.	2.3	302
27	Hybrid suspension of polymer and nanoparticles for enhanced oil recovery. <i>Polymer Bulletin</i> , 2019, 76, 6193-6230.	1.7	49
28	Ultrasonic assisted ultrafiltration process for emulsification of oil field produced water treatment. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 214-222.	3.8	39
29	Intermittent and short duration ultrasound in a simulated porous medium. <i>Petroleum</i> , 2019, 5, 42-51.	1.3	10
30	Comparative study of ultrasound assisted water and surfactant flooding. <i>Journal of King Saud University, Engineering Sciences</i> , 2019, 31, 296-303.	1.2	21
31	Natural polymer flow behaviour in porous media for enhanced oil recovery applications: a review. <i>Journal of Petroleum Exploration and Production</i> , 2018, 8, 1349-1362.	1.2	59
32	A comprehensive review of experimental studies of nanoparticles-stabilized foam for enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2018, 164, 43-74.	2.1	224
33	Intermittent ultrasonic wave to improve oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2018, 166, 577-591.	2.1	33
34	Micelle Formation of Aerosol-OT Surfactants in Sea Water Salinity. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 2515-2519.	1.7	12
35	Effect of Temperature and Acid Concentration on Rhizophora mucronata Tannin as a Corrosion Inhibitor. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018, 4, 1.	1.2	6
36	Magnetite-sporopollenin/graphene oxide as new preconcentration adsorbent for removal of polar organophosphorus pesticides in vegetables. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35130-35142.	2.7	21

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37	Recent advances and prospects in polymeric nanofluids application for enhanced oil recovery. Journal of Industrial and Engineering Chemistry, 2018, 66, 1-19.	2.9	132
38	Mechanism governing nanoparticle flow behaviour in porous media: insight for enhanced oil recovery applications. International Nano Letters, 2018, 8, 49-77.	2.3	84
39	Comparative study of continuous and intermittent ultrasonic ultrafiltration membrane for treatment of synthetic produced water containing emulsion. Chemical Engineering and Processing: Process Intensification, 2018, 132, 137-147.	1.8	18
40	Treated Rhizophora mucronata tannin as a corrosion inhibitor in chloride solution. PLoS ONE, 2018, 13, e0200595.	1.1	12
41	Uncertainty analysis of hydrocarbon in place calculation using 3D seismic and well data during appraisal stage – Case study of Goldie Field, offshore Sarawak. Journal of Natural Gas Science and Engineering, 2018, 57, 238-265.	2.1	13
42	Assessing the effects of nanoparticle type and concentration on the stability of CO ₂ foams and the performance in enhanced oil recovery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 511, 222-231.	2.3	71
43	Transportation of Metal Oxide Nanoparticles Through Various Porous Media for Enhanced Oil Recovery. , 2015, , .		20
44	Influence of clay particles on Al ₂ O ₃ and TiO ₂ nanoparticles transport and retention through limestone porous media: measurements and mechanisms. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	32
45	TiO ₂ nanoparticle transport and retention through saturated limestone porous media under various ionic strength conditions. Chemosphere, 2015, 134, 7-15.	4.2	59
46	Calcite precipitation from by-product red gypsum in aqueous carbonation process. RSC Advances, 2014, 4, 45548-45557.	1.7	29
47	Impact of Metal Oxide Nanoparticles on Enhanced Oil Recovery from Limestone Media at Several Temperatures. Energy & Fuels, 2014, 28, 6255-6266.	2.5	266
48	Artificial Weathering as a Function of CO ₂ Injection in Pahang Sandstone Malaysia: Investigation of Dissolution Rate in Surficial Condition. Scientific Reports, 2014, 4, 3645.	1.6	2
49	A comparative study of surfactant adsorption by clay minerals. Journal of Petroleum Science and Engineering, 2013, 101, 21-27.	2.1	115
50	The origin of oil in the Cretaceous succession from the South Pars Oil Layer of the Persian Gulf. International Journal of Earth Sciences, 2013, 102, 1337-1355.	0.9	6
51	The effects of polymer and surfactant on polymer enhanced foam stability. , 2013, , .		12
52	Equilibrium Adsorption Isotherms of Anionic, Nonionic Surfactants and Their Mixtures to Shale and Sandstone. Modern Applied Science, 2009, 3, .	0.4	36
53	Effects of Salinity on Nanosilica Applications in Altering Limestone Rock Wettability for Enhanced Oil Recovery. Advanced Materials Research, 0, 1125, 200-204.	0.3	12
54	Recent advances in ASP flooding and the implementation of nanoparticles to enhance oil recovery: a short review. Petroleum Science and Technology, 0, , 1-18.	0.7	3

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55	A Short Review of Biopolymers for Enhanced of Oil Recovery in Mature Fields. Petroleum Chemistry, 0, 1.	0.4	1