

Augustine Agi

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,336
citations

257429
24
h-index

214788
47
g-index

55
all docs

55
docs citations

55
times ranked

1516
citing authors

#	ARTICLE	IF	CITATIONS
1	Designed mesoporous silica nanoparticles to mitigate against reservoir fines migration. Biomass Conversion and Biorefinery, 2024, 14, 2677-2692.	4.6	3
2	Application of iron oxide nanoparticles in oil recovery – A critical review of the properties, formulation, recent advances and prospects. Journal of Petroleum Science and Engineering, 2022, 208, 109438.	4.2	32
3	Mechanistic study of nanoparticles-assisted xanthan gum polymer flooding for enhanced oil recovery: a comparative study. Journal of Petroleum Exploration and Production, 2022, 12, 207-213.	2.4	12
4	Extraction, characterization and evaluation of saponin-based natural surfactant for enhanced oil recovery. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	16
5	Application of Polymers for Chemical Enhanced Oil Recovery: A Review. Polymers, 2022, 14, 1433.	4.5	55
6	SDS–Aluminum Oxide Nanofluid for Enhanced Oil Recovery: IFT, Adsorption, and Oil Displacement Efficiency. ACS Omega, 2022, 7, 14022-14030.	3.5	25
7	Surface modification of nanoparticles to improve oil recovery Mechanisms: A critical review of the methods, influencing Parameters, advances and prospects. Journal of Molecular Liquids, 2022, 360, 119502.	4.9	21
8	Current developments and future outlook in nanofluid flooding: A comprehensive review of various parameters influencing oil recovery mechanisms. Journal of Industrial and Engineering Chemistry, 2021, 93, 138-162.	5.8	71
9	Development and Identification of Petrophysical Rock Types for Effective Reservoir Characterization: Case Study of the Kristine Field, Offshore Sabah. Natural Resources Research, 2021, 30, 2497-2511.	4.7	7
10	Facile purification of palygorskite and its effect on the performance of reverse osmosis thin film nanocomposite membrane. Journal of Chemical Technology and Biotechnology, 2021, 96, 1832-1841.	3.2	2
11	Formulation of bionanomaterials: A review of particle design towards oil recovery applications. Journal of Industrial and Engineering Chemistry, 2021, 98, 82-102.	5.8	16
12	Modelling of continuous surfactant flooding application for marginal oilfields: a case study of Bentiu reservoir. Journal of Petroleum Exploration and Production, 2021, 11, 989-1006.	2.4	12
13	Huff-n-Puff Technology for Enhanced Oil Recovery in Shale/Tight Oil Reservoirs: Progress, Gaps, and Perspectives. Energy & Fuels, 2021, 35, 17279-17333.	5.1	41
14	Effect of the surface charge of entrapped polypropylene at nanosilica-composite on cuttings transport capacity of water-based muds. Applied Nanoscience (Switzerland), 2020, 10, 61-82.	3.1	23
15	Study of cuttings lifting with different annular velocities using partially hydrolyzed polyacrylamide and enriched polypropylene–nanosilica composite in deviated and horizontal wells. Applied Nanoscience (Switzerland), 2020, 10, 971-993.	3.1	9
16	Influence of Ultrasonic on the Flow Behavior and Disperse Phase of Cellulose Nano-particles at Fluid–Fluid Interface. Natural Resources Research, 2020, 29, 1427-1446.	4.7	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. Applied Nanoscience (Switzerland), 2020, 10, 263-279.	3.1	13
18	Ultrasound-assisted weak-acid hydrolysis of crystalline starch nanoparticles for chemical enhanced oil recovery. International Journal of Biological Macromolecules, 2020, 148, 1251-1271.	7.5	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. Chemical Engineering Research and Design, 2020, 153, 657-665.	5.6	37
20	Comparing natural and synthetic polymeric nanofluids in a mid-permeability sandstone reservoir condition. Journal of Molecular Liquids, 2020, 317, 113947.	4.9	25
21	Influence of (3-aminopropyl) triethoxysilane on silica nanoparticle for enhanced oil recovery. Journal of Molecular Liquids, 2020, 315, 113740.	4.9	33
22	Comparative numerical study for polymer alternating gas (PAG) flooding in high permeability condition. SN Applied Sciences, 2020, 2, 1.	2.9	15
23	Synergistic application of aluminium oxide nanoparticles and oilfield polyacrylamide for enhanced oil recovery. Journal of Petroleum Science and Engineering, 2019, 182, 106345.	4.2	72
24	A novel approach to enhance rheological and filtration properties of water-based mud using polypropylene-silica nanocomposite. Journal of Petroleum Science and Engineering, 2019, 181, 106264.	4.2	37
25	Synergy of the flow behaviour and disperse phase of cellulose nanoparticles in enhancing oil recovery at reservoir condition. PLoS ONE, 2019, 14, e0220778.	2.5	23
26	An overview of chemical enhanced oil recovery: recent advances and prospects. International Nano Letters, 2019, 9, 171-202.	5.0	302
27	Hybrid suspension of polymer and nanoparticles for enhanced oil recovery. Polymer Bulletin, 2019, 76, 6193-6230.	3.3	49
28	Ultrasonic assisted ultrafiltration process for emulsification of oil field produced water treatment. Ultrasonics Sonochemistry, 2019, 51, 214-222.	8.2	39
29	Intermittent and short duration ultrasound in a simulated porous medium. Petroleum, 2019, 5, 42-51.	2.8	10
30	Comparative study of ultrasound assisted water and surfactant flooding. Journal of King Saud University, Engineering Sciences, 2019, 31, 296-303.	2.0	21
31	Natural polymer flow behaviour in porous media for enhanced oil recovery applications: a review. Journal of Petroleum Exploration and Production, 2018, 8, 1349-1362.	2.4	59
32	A comprehensive review of experimental studies of nanoparticles-stabilized foam for enhanced oil recovery. Journal of Petroleum Science and Engineering, 2018, 164, 43-74.	4.2	224
33	Intermittent ultrasonic wave to improve oil recovery. Journal of Petroleum Science and Engineering, 2018, 166, 577-591.	4.2	33
34	Micelle Formation of Aerosol-OT Surfactants in Sea Water Salinity. Arabian Journal for Science and Engineering, 2018, 43, 2515-2519.	3.0	12
35	Effect of Temperature and Acid Concentration on Rhizophora mucronata Tannin as a Corrosion Inhibitor. Journal of Bio- and Tribo-Corrosion, 2018, 4, 1.	2.6	6
36	Magnetite-sporopollenin/graphene oxide as new preconcentration adsorbent for removal of polar organophosphorus pesticides in vegetables. Environmental Science and Pollution Research, 2018, 25, 35130-35142.	5.3	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.	5.8	132
38	Mechanism governing nanoparticle flow behaviour in porous media: insight for enhanced oil recovery applications. International Nano Letters, 2018, 8, 49-77.	5.0	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.	3.6	18
40	Treated Rhizophora mucronata tannin as a corrosion inhibitor in chloride solution. PLoS ONE, 2018, 13, e0200595.	2.5	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.	4.4	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.	4.7	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.	1.9	32
45	TiO ₂ nanoparticle transport and retention through saturated limestone porous media under various ionic strength conditions. Chemosphere, 2015, 134, 7-15.	8.2	59
46	Calcite precipitation from by-product red gypsum in aqueous carbonation process. RSC Advances, 2014, 4, 45548-45557.	3.6	29
47	Impact of Metal Oxide Nanoparticles on Enhanced Oil Recovery from Limestone Media at Several Temperatures. Energy & Fuels, 2014, 28, 6255-6266.	5.1	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.	3.3	2
49	A comparative study of surfactant adsorption by clay minerals. Journal of Petroleum Science and Engineering, 2013, 101, 21-27.	4.2	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.	1.8	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, .	0.6	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.	1.5	3

#	ARTICLE	IF	CITATIONS
55	A Short Review of Biopolymers for Enhanced of Oil Recovery in Mature Fields. Petroleum Chemistry, 0, 1.	1.4	1