

Afeez O Gbadamosi

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,089
citations

279798

23
h-index

254184

43
g-index

58
all docs

58
docs citations

58
times ranked

1178
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.4	12
2	Pumice-supported ZnO-photocatalyzed degradation of organic pollutant in textile effluent: optimization by response surface methodology, artificial neural network, and adaptive neural-fuzzy inference system. <i>Environmental Science and Pollution Research</i> , 2022, 29, 25138-25156.	5.3	9
3	Amphipathic anionic surfactant modified hydrophilic polyethylene glycol-nanosilica composite as effective viscosifier and filtration control agent for water-based drilling muds. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103741.	4.9	18
4	Extraction, characterization and evaluation of saponin-based natural surfactant for enhanced oil recovery. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	16
5	Ultrasound-assisted nanofluid flooding to enhance heavy oil recovery in a simulated porous media. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103784.	4.9	9
6	Laboratory evaluation to field application of ultrasound: A state-of-the-art review on the effect of ultrasonication on enhanced oil recovery mechanisms. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 110, 100-119.	5.8	19
7	Adsorption Study of Novel Gemini Cationic Surfactant in Carbonate Reservoir Coresâ€”Influence of Critical Parameters. <i>Materials</i> , 2022, 15, 2527.	2.9	13
8	Application of Polymers for Chemical Enhanced Oil Recovery: A Review. <i>Polymers</i> , 2022, 14, 1433.	4.5	55
9	Process optimization of reservoir fines trapping by mesoporous silica nanoparticles using Box-Behnken design. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 8809-8821.	6.4	9
10	Oil-water interfacial tension, wettability alteration and foaming studies of natural surfactant extracted from <i>Vernonia Amygdalina</i> . <i>Petroleum Research</i> , 2022, 7, 350-356.	2.7	18
11	Biodiesel production from transesterified waste cooking oil by zinc-modified anthill catalyst: Parametric optimization and biodiesel properties improvement. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104955.	6.7	47
12	An overview of superhydrophobic ceramic membrane surface modification for oil-water separation. <i>Journal of Materials Research and Technology</i> , 2021, 12, 643-667.	5.8	90
13	Influence of polypropylene beads and sodium carbonate treated nanosilica in water-based muds for cuttings transport. <i>Journal of Petroleum Science and Engineering</i> , 2021, 200, 108435.	4.2	15
14	Formulation of bionanomaterials: A review of particle design towards oil recovery applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 82-102.	5.8	16
15	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
16	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.	3.1	23
17	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
18	Study of cuttings lifting with different annular velocities using partially hydrolyzed polyacrylamide and enriched polypropyleneâ€”nanosilica composite in deviated and horizontal wells. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 971-993.	3.1	9

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19	Influence of Ultrasonic on the Flow Behavior and Disperse Phase of Cellulose Nano-particles at Fluidâ€“Fluid Interface. <i>Natural Resources Research</i> , 2020, 29, 1427-1446.	4.7	7
20	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
21	Evaluation of a naturally derived tannin extracts biopolymer additive in drilling muds for high-temperature well applications. <i>Journal of Petroleum Exploration and Production</i> , 2020, 10, 623-639.	2.4	11
22	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
23	Synthesis and application of rice husk silica nanoparticles for chemical enhanced oil recovery. <i>Journal of Materials Research and Technology</i> , 2020, 9, 13054-13066.	5.8	32
24	Enhanced cuttings transport efficiency of water-based muds using (3â€“Aminopropyl) triethoxysilane on polypropylene-nanosilica composite. <i>Arabian Journal of Chemistry</i> , 2020, 13, 6904-6920.	4.9	13
25	Comparing natural and synthetic polymeric nanofluids in a mid-permeability sandstone reservoir condition. <i>Journal of Molecular Liquids</i> , 2020, 317, 113947.	4.9	25
26	Evaluation of Continuous Surfactant Flooding in North East Africa: Case Study of Bentiu Reservoir. , 2020, , .		3
27	Impact of organosilanes modified <sc>superhydrophobicâ€“superoleophilic</sc> kaolin ceramic membrane on efficiency of oil recovery from produced water. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 3300-3315.	3.2	28
28	Tailoring of nanoparticles for chemical enhanced oil recovery activities: a review. <i>International Journal of Nanomanufacturing</i> , 2020, 16, 107.	0.3	9
29	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
30	Influence of (3â€“Aminopropyl) triethoxysilane on entrapped polypropylene at nanosilica composite for shale swelling and hydration inhibition. <i>Journal of Petroleum Science and Engineering</i> , 2020, 194, 107560.	4.2	29
31	Influence of (3â€“Aminopropyl) triethoxysilane on silica nanoparticle for enhanced oil recovery. <i>Journal of Molecular Liquids</i> , 2020, 315, 113740.	4.9	33
32	Experimental investigation of cuttings transportation in deviated and horizontal wellbores using polypropyleneâ€“nanosilica composite drilling mud. <i>Journal of Petroleum Science and Engineering</i> , 2020, 189, 106958.	4.2	23
33	Synergistic application of aluminium oxide nanoparticles and oilfield polyacrylamide for enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2019, 182, 106345.	4.2	72
34	Impact of Geological Interpretation on Reservoir 3D Static Model: Workflow, Methodology Approach and Delivery Process. , 2019, , .		3
35	Lignin As a Potential Additive For Minimizing Surfactant Adsorption On Clay Minerals In Different Electrolyte Concentration. , 2019, , .		5
36	A novel approach to enhance rheological and filtration properties of waterâ€“based mud using polypropyleneâ€“silica nanocomposite. <i>Journal of Petroleum Science and Engineering</i> , 2019, 181, 106264.	4.2	37

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37	Effect of aluminium oxide nanoparticles on oilfield polyacrylamide: Rheology, interfacial tension, wettability and oil displacement studies. <i>Journal of Molecular Liquids</i> , 2019, 296, 111863.	4.9	50
38	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
39	Investigating almond seed oil as potential biodiesel-based drilling mud. <i>Journal of Petroleum Science and Engineering</i> , 2019, 181, 106201.	4.2	33
40	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
41	An overview of chemical enhanced oil recovery: recent advances and prospects. <i>International Nano Letters</i> , 2019, 9, 171-202.	5.0	302
42	Experimental investigation of the effect of henna leaf extracts on cuttings transportation in highly deviated and horizontal wells. <i>Journal of Petroleum Exploration and Production</i> , 2019, 9, 2387-2404.	2.4	20
43	Hybrid suspension of polymer and nanoparticles for enhanced oil recovery. <i>Polymer Bulletin</i> , 2019, 76, 6193-6230.	3.3	49
44	Ultrasonic assisted ultrafiltration process for emulsification of oil field produced water treatment. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 214-222.	8.2	39
45	Experimental investigation of the effects of silica nanoparticle on hole cleaning efficiency of water-based drilling mud. <i>Journal of Petroleum Science and Engineering</i> , 2019, 172, 1226-1234.	4.2	69
46	Intermittent and short duration ultrasound in a simulated porous medium. <i>Petroleum</i> , 2019, 5, 42-51.	2.8	10
47	A review of gas enhanced oil recovery schemes used in the North Sea. <i>Journal of Petroleum Exploration and Production</i> , 2018, 8, 1373-1387.	2.4	64
48	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.	4.2	224
49	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.	5.3	21
50	Recent advances and prospects in polymeric nanofluids application for enhanced oil recovery. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 1-19.	5.8	132
51	Mechanism governing nanoparticle flow behaviour in porous media: insight for enhanced oil recovery applications. <i>International Nano Letters</i> , 2018, 8, 49-77.	5.0	84
52	Synthesis and characterization of anthill-eggshell composite adsorbent for removal of hexavalent chromium from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19143-19154.	5.3	22
53	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
54	Treated <i>Rhizophora mucronata</i> tannin as a corrosion inhibitor in chloride solution. <i>PLoS ONE</i> , 2018, 13, e0200595.	2.5	12

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55	Improving Hole Cleaning Efficiency using Nanosilica in Water-Based Drilling Mud. , 2018, , .		18
56	Uncertainty analysis of hydrocarbon in place calculation using 3D seismic and well data during appraisal stage â€œ Case study of Goldie Field, offshore Sarawak. Journal of Natural Gas Science and Engineering, 2018, 57, 238-265.	4.4	13
57	Nanotechnology Application in Chemical Enhanced Oil Recovery: Current Opinion and Recent Advances. , 0, , .		9