

Jagar A Ali

List of Publications by Year in descending order

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58
papers

1,882
citations

236612

25
h-index

276539

41
g-index

60
all docs

60
docs citations

60
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Sand production onset using 3D Hoek-Brown criterion and petro-physical logs: a case study. <i>Geomechanics and Geoengineering</i> , 2022, 17, 499-513.	0.9	1
2	Oil recovery aspects of ZnO/SiO ₂ nano-clay in carbonate reservoir. <i>Fuel</i> , 2022, 307, 121927.	3.4	33
3	Synergistic Effect of Nanoinhibitive Drilling Fluid on the Shale Swelling Performance at High Temperature and High Pressure. <i>Energy & Fuels</i> , 2022, 36, 1996-2006.	2.5	23
4	Evaluation the role of natural surfactants from Tanacetum and Tarragon plants in EOR applications. <i>Journal of Molecular Liquids</i> , 2022, 361, 119576.	2.3	14
5	Synergistic Efficiency of Zinc Oxide/Montmorillonite Nanocomposites and a New Derived Saponin in Liquid/Liquid/Solid Interface-Included Systems: Application in Nanotechnology-Assisted Enhanced Oil Recovery. <i>ACS Omega</i> , 2022, 7, 24951-24972.	1.6	15
6	Emerging applications of TiO ₂ /SiO ₂ /poly(acrylamide) nanocomposites within the engineered water EOR in carbonate reservoirs. <i>Journal of Molecular Liquids</i> , 2021, 322, 114943.	2.3	37
7	Geochemical study of the early cretaceous Fahliyan oil reservoir in the northwest Persian Gulf. <i>Journal of Petroleum Exploration and Production</i> , 2021, 11, 2435-2447.	1.2	6
8	Impact of a novel biosynthesized nanocomposite (SiO ₂ @Montmorilant@Xanthan) on wettability shift and interfacial tension: Applications for enhanced oil recovery. <i>Fuel</i> , 2021, 298, 120773.	3.4	64
9	Stability analysis and trajectory optimization of vertical and deviated boreholes using the extended-Mogi-Coulomb criterion and poly-axial test data. <i>Upstream Oil and Gas Technology</i> , 2021, 7, 100052.	1.1	5
10	Nanoparticles for water desalination in solar heat exchanger. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 1619-1636.	2.0	74
11	Investigation of convective nanomaterial flow and exergy drop considering CVFEM within a porous tank. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2337-2350.	2.0	10
12	Experimental investigation into L-Arg and L-Cys eco-friendly surfactants in enhanced oil recovery by considering IFT reduction and wettability alteration. <i>Petroleum Science</i> , 2020, 17, 105-117.	2.4	58
13	Heat transfer of ethylene glycol-Fe ₃ O ₄ nanofluid enclosed by curved porous cavity including electric field. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 550, 123945.	1.2	16
14	Experimental investigation of the effect of green TiO ₂ /Quartz nanocomposite on interfacial tension reduction, wettability alteration, and oil recovery improvement. <i>Fuel</i> , 2020, 263, 116599.	3.4	64
15	Effect of SiO ₂ nanoparticles on the performance of L-Arg and L-Cys surfactants for enhanced oil recovery in carbonate porous media. <i>Journal of Molecular Liquids</i> , 2020, 300, 112290.	2.3	66
16	Exploring curing potential of epoxy nanocomposites containing nitrate anion intercalated Mg-Al-LDH with Cure Index. <i>Progress in Organic Coatings</i> , 2020, 139, 105255.	1.9	10
17	Smart- and nano-hybrid chemical EOR flooding using Fe ₃ O ₄ /eggshell nanocomposites. <i>Journal of Molecular Liquids</i> , 2020, 316, 113880.	2.3	46
18	Effect of Environment-Friendly Non-Ionic Surfactant on Interfacial Tension Reduction and Wettability Alteration; Implications for Enhanced Oil Recovery. <i>Energies</i> , 2020, 13, 3988.	1.6	75

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19	Experimental investigation of the effect of Vitagnus plant extract on enhanced oil recovery process using interfacial tension (IFT) reduction and wettability alteration mechanisms. Journal of Petroleum Exploration and Production, 2020, 10, 2895-2905.	1.2	32
20	A state-of-the-art review of the application of nanotechnology in the oil and gas industry with a focus on drilling engineering. Journal of Petroleum Science and Engineering, 2020, 191, 107118.	2.1	68
21	Greenly Synthesized Magnetite@SiO ₂ @Xanthan Nanocomposites and Its Application in Enhanced Oil Recovery: IFT Reduction and Wettability Alteration. Arabian Journal for Science and Engineering, 2020, 45, 7751-7761.	1.7	23
22	Green synthesise of CuO@Fe ₃ O ₄ @Xantan nanocomposites and its application in enhanced oil recovery by considering IFT and wettability behaviours. Micro and Nano Letters, 2020, 15, 550-555.	0.6	15
23	Rapid ecosynthesis of TiO ₂ @CuO@Chromite nanocatalyst for environmentally friendly applications: solventless cyanation of aldehydes and high efficient treatment of sewage waters. Environmental Sciences Europe, 2020, 32, .	2.6	3
24	Curing epoxy with electrochemically synthesized Mn Fe ₃ O ₄ magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105199.	1.9	13
25	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized Mn Fe ₃ O ₄ magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105247.	1.9	19
26	Economic and productivity evaluation of different horizontal drilling scenarios: Middle East oil fields as case study. Journal of Petroleum Exploration and Production, 2019, 9, 2449-2460.	1.2	12
27	Green synthesis of ZnO/SiO ₂ nanocomposite from pomegranate seed extract: coating by natural xanthan polymer and its characterisations. Micro and Nano Letters, 2019, 14, 638-641.	0.6	15
28	Epoxy/layered double hydroxide (LDH) nanocomposites: Synthesis, characterization, and Excellent cure feature of nitrate anion intercalated Zn-Al LDH. Progress in Organic Coatings, 2019, 136, 105218.	1.9	67
29	Nanoparticle application for heat transfer and irreversibility analysis in an air conditioning unit. Journal of Molecular Liquids, 2019, 292, 111372.	2.3	7
30	Influences of nanoparticles with various shapes on MHD flow inside wavy porous space in appearance of radiation. Journal of Molecular Liquids, 2019, 292, 111386.	2.3	21
31	Analysis on the heat storage unit through a Y-shaped fin for solidification of NEPCM. Journal of Molecular Liquids, 2019, 292, 111378.	2.3	36
32	Curing epoxy with electrochemically synthesized Ni Fe ₃ O ₄ magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105198.	1.9	27
33	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized Zn Fe ₃ O ₄ magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105227.	1.9	25
34	Cure Index for labeling curing potential of epoxy/LDH nanocomposites: A case study on nitrate anion intercalated Ni-Al-LDH. Progress in Organic Coatings, 2019, 136, 105228.	1.9	43
35	Simulation of turbulent flow of nanofluid due to existence of new effective turbulator involving entropy generation. Journal of Molecular Liquids, 2019, 291, 111283.	2.3	78
36	Source rock potential and reservoir characterization of the Lower Cretaceous Sarmord Formation in selected sections in Kurdistan Region-Iraq. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	6

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37	Fracture analysis and in situ stress estimation of a gas condensate field in Persian Gulf using FMI and DSI image logs. SN Applied Sciences, 2019, 1, 1.	1.5	8
38	Curing epoxy with electrochemically synthesized Zn Fe ₃ -O ₄ magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105246.	1.9	22
39	Development of Mg-Zn-Al-CO ₃ ternary LDH and its curability in epoxy/amine system. Progress in Organic Coatings, 2019, 136, 105264.	1.9	34
40	Modification of LoSal water performance in reducing interfacial tension using green ZnO/SiO ₂ nanocomposite coated by xanthan. Applied Nanoscience (Switzerland), 2019, 9, 397-409.	1.6	41
41	Effect of the wettability alteration on the cementation factor of carbonate rocks using Henna extract. Materialia, 2019, 8, 100440.	1.3	11
42	Curing epoxy with ethylenediaminetetraacetic acid (EDTA) surface-functionalized Co Fe ₃ -O ₄ magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105248.	1.9	14
43	Curing epoxy with electrochemically synthesized Gd Fe ₃ -O ₄ magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105245.	1.9	29
44	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized Ni _x Fe _{3-x} O ₄ magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105259.	1.9	14
45	Natural fracture characterization and wellbore stability analysis of a highly fractured southwestern Iranian oilfield. International Journal of Rock Mechanics and Minings Sciences, 2019, 123, 104101.	2.6	8
46	Curing epoxy with polyethylene glycol (PEG) surface-functionalized Ni _x Fe _{3-x} O ₄ magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105250.	1.9	22
47	CuO/TiO ₂ /PAM as a Novel Introduced Hybrid Agent for Water/Oil Interfacial Tension and Wettability Optimization in Chemical Enhanced Oil Recovery. Energy & Fuels, 2019, 33, 10547-10560.	2.5	75
48	Cure kinetics of epoxy/graphene oxide (GO) nanocomposites: Effect of starch functionalization of GO nanosheets. Progress in Organic Coatings, 2019, 136, 105217.	1.9	41
49	Investigating the effect of [C8Py][Cl] and [C18Py][Cl] ionic liquids on the water/oil interfacial tension by considering Taguchi method. Journal of Petroleum Exploration and Production, 2019, 9, 2933-2941.	1.2	47
50	Potential application of low-salinity polymeric-nanofluid in carbonate oil reservoirs: IFT reduction, wettability alteration, rheology and emulsification characteristics. Journal of Molecular Liquids, 2019, 284, 735-747.	2.3	94
51	Curing epoxy with electrochemically synthesized Co Fe ₃ -O ₄ magnetic nanoparticles. Progress in Organic Coatings, 2019, 137, 105252.	1.9	12
52	Curing epoxy with polyethylene glycol (PEG) surface-functionalized Gd Fe ₃ -O ₄ magnetic nanoparticles. Progress in Organic Coatings, 2019, 137, 105283.	1.9	20
53	Low-Salinity Polymeric Nanofluid-Enhanced Oil Recovery Using Green Polymer-Coated ZnO/SiO ₂ Nanocomposites in the Upper Qamchuqa Formation in Kurdistan Region, Iraq. Energy & Fuels, 2019, 33, 927-937.	2.5	49
54	Modification of rheological and filtration characteristics of water-based mud for drilling oil and gas wells using green SiO ₂ @ZnO@Xanthan nanocomposite. IET Nanobiotechnology, 2019, 13, 748-755.	1.9	11

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55	Natural iron ore as a novel substrate for the biosynthesis of bioactive-stable ZnO@CuO@iron ore NCs: a magnetically recyclable and reusable superior nanocatalyst for the degradation of organic dyes, reduction of Cr(<i>vi</i>) and adsorption of crude oil aromatic compounds, including PAHs. <i>RSC Advances</i> , 2018, 8, 35557-35570.	1.7	27
56	Recent advances in application of nanotechnology in chemical enhanced oil recovery: Effects of nanoparticles on wettability alteration, interfacial tension reduction, and flooding. <i>Egyptian Journal of Petroleum</i> , 2018, 27, 1371-1383.	1.2	167
57	A Sensitivity Study on Low Salinity Waterflooding. <i>Modern Environmental Science and Engineering</i> , 2017, 04, 231-236.	0.3	5
58	Natural Gas Desulfurization Process By MEA Amine: The preferable Engineering Design Procedure. <i>SSRG International Journal of Engineering Trends and Technology</i> , 2015, 28, 214-218.	0.3	2