

Mustafa S Nasser

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

2,225
citations

19
h-index

46
g-index

69
ext. papers

2,878
ext. citations

5.1
avg, IF

5.56
L-index

#	Paper	IF	Citations
64	Biological-Based Produced Water Treatment Using Microalgae: Challenges and Efficiency. <i>Sustainability</i> , 2022 , 14, 499	3.6	2
63	Enhancing the flocculation of stable bentonite suspension using hybrid system of polyelectrolytes and NADES. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 638, 128305	5.1	0
62	A CFD- RSM study of cuttings transport in non-Newtonian drilling fluids: Impact of operational parameters. <i>Journal of Petroleum Science and Engineering</i> , 2022 , 208, 109613	4.4	1
61	Membrane-based treatment of petroleum wastewater 2022 , 103-122		0
60	Adsorption of 4-Nitrophenol onto Iron Oxide Bentonite Nanocomposite: Process Optimization, Kinetics, Isotherms and Mechanism. <i>International Journal of Environmental Research</i> , 2022 , 16, 1	2.9	0
59	Pilot-scale study on the suspension of drill cuttings: Effect of fiber and fluid characteristics. <i>Journal of Natural Gas Science and Engineering</i> , 2022 , 101, 104531	4.6	0
58	Pilot-scale evaluation of forward osmosis membranes for volume reduction of industrial wastewater. <i>Desalination</i> , 2022 , 531, 115689	10.3	2
57	Influence of Combined Natural Deep Eutectic Solvent and Polyacrylamide on the Flocculation and Rheological Behaviors of Bentonite Dispersion. <i>Separation and Purification Technology</i> , 2022 , 121109	8.3	0
56	Development of a Polyacrylamide-Based Mud Formulation for Loss Circulation Treatments. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021 , 143,	2.6	7
55	Assessing the Relation between Mud Components and Rheology for Loss Circulation Prevention Using Polymeric Gels: A Machine Learning Approach. <i>Energies</i> , 2021 , 14, 1377	3.1	2
54	Destabilization of stable bentonite colloidal suspension using choline chloride based deep eutectic solvent: Optimization study. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101885	6.7	4
53	CFD modeling of particle settling in drilling fluids: Impact of fluid rheology and particle characteristics. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 199, 108326	4.4	8
52	Industrial wastewater volume reduction through osmotic concentration: Membrane module selection and process modeling. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101760	6.7	3
51	Effective Heterogeneous Fenton-Like degradation of Malachite Green Dye Using the Core-Shell Fe ₃ O ₄ @SiO ₂ Nano-Catalyst. <i>ChemistrySelect</i> , 2021 , 6, 865-875	1.8	6
50	CFD Analysis of Turbulent Flow of Power-Law Fluid in a Partially Blocked Eccentric Annulus. <i>Energies</i> , 2021 , 14, 731	3.1	5
49	Investigation of Filter Cake Evolution in Carbonate Formation Using Polymer-Based Drilling Fluid. <i>ACS Omega</i> , 2021 , 6, 6231-6239	3.9	2
48	Gelation kinetics of functionalized silica crosslinked polymeric gels used in conformance control applications. <i>Canadian Journal of Chemical Engineering</i> , 2021 , 99, 2219-2228	2.3	2

47	Novel composite materials of modified roasted date pits using ferrocyanides for the recovery of lithium ions from seawater reverse osmosis brine. <i>Scientific Reports</i> , 2021 , 11, 18896	4.9	3
46	Evaluation of cellulose triacetate hollow fiber membrane for volume reduction of real industrial effluents through an osmotic concentration process: A pilot-scale study. <i>Environmental Technology and Innovation</i> , 2021 , 24, 101873	7	2
45	Application of Response Surface Methodology and Box-Behnken Design for the Optimization of the Stability of Fibrous Dispersion Used in Drilling and Completion Operations. <i>ACS Omega</i> , 2021 , 6, 2513-2525	3.9	4
44	Utilization of Steel-Making Dust in Drilling Fluids Formulations. <i>Processes</i> , 2020 , 8, 538	2.9	3
43	Chemical kinetics of carbon dioxide in the blends of different amino acid salts and methyldiethanolamine. <i>International Journal of Energy Research</i> , 2020 , 44, 12506-12524	4.5	0
42	Corrosion Behavior of API-X120 Carbon Steel Alloy in a GTL F-T Process Water Environment at Low COD Concentration. <i>Metals</i> , 2020 , 10, 707	2.3	2
41	Enhancement of flocculation and dewaterability of a highly stable activated sludge using a hybrid system of organic coagulants and polyelectrolytes. <i>Journal of Water Process Engineering</i> , 2020 , 35, 101237	6.7	8
40	Application of geopolymers synthesized from incinerated municipal solid waste ashes for the removal of cationic dye from water. <i>PLoS ONE</i> , 2020 , 15, e0239095	3.7	2
39	Physiochemical characterization and systematic investigation of metals extraction from fly and bottom ashes produced from municipal solid waste. <i>PLoS ONE</i> , 2020 , 15, e0239412	3.7	1
38	Development of pH-Controlled Aluminum-Based Polymeric Gel for Conformance Control in Sour Gas Reservoirs. <i>ACS Omega</i> , 2020 , 5, 24504-24512	3.9	9
37	Influence of polyelectrolyte structure and type on the degree of flocculation and rheological behavior of industrial MBR sludge. <i>Separation and Purification Technology</i> , 2020 , 233, 116001	8.3	8
36	Loss circulation in drilling and well construction: The significance of applications of crosslinked polymers in wellbore strengthening: A review. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 185, 106653	4.4	32
35	Adsorption of organic pollutants by nanomaterial-based adsorbents: An overview. <i>Journal of Molecular Liquids</i> , 2020 , 301, 112335	6	63
34	Enhancement of flocculation and shear resistivity of bentonite suspension using a hybrid system of organic coagulants and anionic polyelectrolytes. <i>Separation and Purification Technology</i> , 2020 , 237, 116462	8.2	7
33	Rheology of Triamine Functionalized Silica Reinforced Polymeric Gels Developed for Conformance Control Applications. <i>Energy & Fuels</i> , 2020 , 34, 1093-1098	4.1	8
32	Thermo-rheological characterization of Malic Acid based Natural Deep Eutectic Solvents. <i>Science of the Total Environment</i> , 2020 , 708, 134848	10.2	8
31	Hole cleaning and drilling fluid sweeps in horizontal and deviated wells: Comprehensive review. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 186, 106748	4.4	37
30	Pilot-scale investigation of flowrate and temperature influence on the performance of hollow fiber forward osmosis membrane in osmotic concentration process. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104494	6.8	6

29	Experimental measurements and modelling of viscosity and density of calcium and potassium chlorides ternary solutions. <i>Scientific Reports</i> , 2020 , 10, 16312	4.9	1
28	An Investigation of the Swelling Kinetics of Bentonite Systems Using Particle Size Analysis. <i>Journal of Dispersion Science and Technology</i> , 2020 , 41, 817-827	1.5	6
27	Osmotic pressure estimation using the Pitzer equation for forward osmosis modelling. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 2533-2545	2.6	11
26	Adsorption of organic pollutants by natural and modified clays: A comprehensive review. <i>Separation and Purification Technology</i> , 2019 , 228, 115719	8.3	202
25	Investigation of the Rheological Properties of Nanosilica-Reinforced Polyacrylamide/Polyethyleneimine Gels for Wellbore Strengthening at High Reservoir Temperatures. <i>Energy & Fuels</i> , 2019 , 33, 6829-6836	4.1	22
24	Polymeric formulations used for loss circulation materials and wellbore strengthening applications in oil and gas wells: A review. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 180, 197-214	4.4	40
23	The status of forward osmosis technology implementation. <i>Desalination</i> , 2019 , 461, 10-21	10.3	86
22	Reaction Kinetics of Carbon Dioxide in Aqueous Blends of N-Methyldiethanolamine and L-Arginine Using the Stopped-Flow Technique. <i>Processes</i> , 2019 , 7, 81	2.9	5
21	An empirical determination of the whole-life cost of FO-based open-loop wastewater reclamation technologies. <i>Water Research</i> , 2019 , 163, 114879	12.5	12
20	Influence of polyelectrolyte architecture on the electrokinetics and dewaterability of industrial membrane bioreactor activated sludge. <i>Journal of Environmental Management</i> , 2019 , 233, 410-416	7.9	5
19	Thermochemical Upgrading of Calcium Bentonite for Drilling Fluid Applications. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2019 , 141,	2.6	12
18	A comprehensive review on the rheological behavior of imidazolium based ionic liquids and natural deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2019 , 277, 932-958	6	38
17	Fabrication of high flux nanofiltration membrane via hydrogen bonding based co-deposition of polydopamine with poly(vinyl alcohol). <i>Journal of Membrane Science</i> , 2018 , 552, 222-233	9.6	32
16	Carbamate Formation and Amine Protonation Constants in 2-Amino-1-Butanol $\text{CO}_2\text{H}_2\text{O}$ System and Their Temperature Dependences. <i>Journal of Solution Chemistry</i> , 2018 , 47, 262-277	1.8	5
15	Gas solubility and rheological behavior study of betaine and alanine based natural deep eutectic solvents (NADES). <i>Journal of Molecular Liquids</i> , 2018 , 256, 286-295	6	42
14	Reaction Kinetics of Carbon Dioxide with 2-Amino-1-butanol in Aqueous Solutions Using a Stopped-Flow Technique. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 2797-2804	3.9	6
13	Effect of electrolytes on electrokinetics and flocculation behavior of bentonite-polyacrylamide dispersions. <i>Applied Clay Science</i> , 2018 , 158, 46-54	5.2	28
12	Polymeric Surfactants and Emerging Alternatives used in the Demulsification of Produced Water: A Review. <i>Polymer Reviews</i> , 2018 , 58, 63-101	14	86

11	Aqueous dispersions of carbon black and its hybrid with carbon nanofibers.. <i>RSC Advances</i> , 2018 , 8, 32119-32131	3	13
10	Rheological, Thermodynamic, and Gas Solubility Properties of Phenylacetic Acid-Based Deep Eutectic Solvents. <i>Chemical Engineering and Technology</i> , 2017 , 40, 778-790	2	24
9	Reaction kinetics of carbon dioxide with aqueous solutions of l-Arginine, Glycine & Sarcosine using the stopped flow technique. <i>International Journal of Greenhouse Gas Control</i> , 2017 , 63, 47-58	4.2	14
8	Enhanced Adsorption of Selenium Ions from Aqueous Solution Using Iron Oxide Impregnated Carbon Nanotubes. <i>Bioinorganic Chemistry and Applications</i> , 2017 , 2017, 4323619	4.2	22
7	Gas Solubility and Rheological Behavior of Natural Deep Eutectic Solvents (NADES) via Combined Experimental and Molecular Simulation Techniques. <i>ChemistrySelect</i> , 2017 , 2, 7278-7295	1.8	32
6	Effects of sodium carbonate addition, heat and agitation on swelling and rheological behavior of Ca-bentonite colloidal dispersions. <i>Applied Clay Science</i> , 2017 , 147, 176-183	5.2	31
5	Influence of polyelectrolytes and other polymer complexes on the flocculation and rheological behaviors of clay minerals: A comprehensive review. <i>Separation and Purification Technology</i> , 2017 , 187, 137-161	8.3	80
4	A comprehensive review of electrocoagulation for water treatment: Potentials and challenges. <i>Journal of Environmental Management</i> , 2017 , 186, 24-41	7.9	360
3	Flocculation and viscoelastic behavior of industrial papermaking suspensions. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 448-455	2.8	8
2	Heavy metal removal from aqueous solution by advanced carbon nanotubes: Critical review of adsorption applications. <i>Separation and Purification Technology</i> , 2016 , 157, 141-161	8.3	743
1	Reaction kinetics of carbon dioxide in aqueous blends of N-methyldiethanolamine and glycine using the stopped flow technique. <i>Journal of Natural Gas Science and Engineering</i> , 2016 , 33, 186-195	4.6	12