

Mustafa S Nasser

List of Publications by Citations

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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 | 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 |
| 63 | A comprehensive review of electrocoagulation for water treatment: Potentials and challenges. <i>Journal of Environmental Management</i> , 2017 , 186, 24-41 | 7.9 | 360 |
| 62 | Adsorption of organic pollutants by natural and modified clays: A comprehensive review. <i>Separation and Purification Technology</i> , 2019 , 228, 115719 | 8.3 | 202 |
| 61 | The status of forward osmosis technology implementation. <i>Desalination</i> , 2019 , 461, 10-21 | 10.3 | 86 |
| 60 | Polymeric Surfactants and Emerging Alternatives used in the Demulsification of Produced Water: A Review. <i>Polymer Reviews</i> , 2018 , 58, 63-101 | 14 | 86 |
| 59 | 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 |
| 58 | Adsorption of organic pollutants by nanomaterial-based adsorbents: An overview. <i>Journal of Molecular Liquids</i> , 2020 , 301, 112335 | 6 | 63 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | Effect of electrolytes on electrokinetics and flocculation behavior of bentonite-polyacrylamide dispersions. <i>Applied Clay Science</i> , 2018 , 158, 46-54 | 5.2 | 28 |
| 48 | 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 |

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| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | Aqueous dispersions of carbon black and its hybrid with carbon nanofibers.. <i>RSC Advances</i> , 2018 , 8, 32119-32131 | 3.7 | 13 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | Osmotic pressure estimation using the Pitzer equation for forward osmosis modelling. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 2533-2545 | 2.6 | 11 |
| 39 | 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 |
| 38 | 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 |
| 37 | Flocculation and viscoelastic behavior of industrial papermaking suspensions. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 448-455 | 2.8 | 8 |
| 36 | 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 |
| 35 | Rheology of Triamine Functionalized Silica Reinforced Polymeric Gels Developed for Conformance Control Applications. <i>Energy & Fuels</i> , 2020 , 34, 1093-1098 | 4.1 | 8 |
| 34 | Thermo-rheological characterization of Malic Acid based Natural Deep Eutectic Solvents. <i>Science of the Total Environment</i> , 2020 , 708, 134848 | 10.2 | 8 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |

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| 29 | 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 |
| 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 | 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 |
| 26 | 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 |
| 25 | Carbamate Formation and Amine Protonation Constants in 2-Amino-1-Butanol-CO ₂ -H ₂ O System and Their Temperature Dependences. <i>Journal of Solution Chemistry</i> , 2018 , 47, 262-277 | 1.8 | 5 |
| 24 | 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 |
| 23 | CFD Analysis of Turbulent Flow of Power-Law Fluid in a Partially Blocked Eccentric Annulus. <i>Energies</i> , 2021 , 14, 731 | 3.1 | 5 |
| 22 | 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 |
| 21 | 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 |
| 20 | Utilization of Steel-Making Dust in Drilling Fluids Formulations. <i>Processes</i> , 2020 , 8, 538 | 2.9 | 3 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | Biological-Based Produced Water Treatment Using Microalgae: Challenges and Efficiency. <i>Sustainability</i> , 2022 , 14, 499 | 3.6 | 2 |
| 15 | 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 |
| 14 | 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 |
| 13 | Investigation of Filter Cake Evolution in Carbonate Formation Using Polymer-Based Drilling Fluid. <i>ACS Omega</i> , 2021 , 6, 6231-6239 | 3.9 | 2 |
| 12 | 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 |

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| 11 | 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 |
| 10 | Pilot-scale evaluation of forward osmosis membranes for volume reduction of industrial wastewater. <i>Desalination</i> , 2022 , 531, 115689 | 10.3 | 2 |
| 9 | 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 |
| 8 | 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 |
| 7 | 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 |
| 6 | Chemical kinetics of carbon dioxide in the blends of different amino acid salts and methyl-diethanolamine. <i>International Journal of Energy Research</i> , 2020 , 44, 12506-12524 | 4.5 | 0 |
| 5 | 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 |
| 4 | Membrane-based treatment of petroleum wastewater 2022 , 103-122 | | 0 |
| 3 | 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 |
| 2 | 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 |
| 1 | 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 |