# Ali Esfandyari Bayat

List of Publications by Year
in descending order



| 19 | 907 | 686830 13 | 887659 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 19 | 19 | 19 | 933 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Impact of Metal Oxide Nanoparticles on Enhanced Oil Recovery from Limestone Media at Several Temperatures. Energy & Fuels, 2014, 28, 6255-6266. | 2.5 | 266 |
| 2 | Malaysia×³s stand on municipal solid waste conversion to energy: A review. Renewable and Sustainable Energy Reviews, 2016, 58, 1007-1016. | 8.2 | 96 |
| 3 | Experimental investigation of rheological and filtration properties of water-based drilling fluids in presence of various nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 256-263. | 2.3 | 90 |
| 4 | 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. | 2.3 | 71 |
| 5 | TiO2 nanoparticle transport and retention through saturated limestone porous media under various ionic strength conditions. Chemosphere, 2015, 134, 7-15. | 4.2 | 59 |
| 6 | Appraising the impact of metal-oxide nanoparticles on rheological properties of HPAM in different electrolyte solutions for enhanced oil recovery. Journal of Petroleum Science and Engineering, 2019, 172, 1057-1068. | 2.1 | 59 |
| 7 | Transport and retention of engineered Al2O3, TiO2 and SiO2 nanoparticles through various sedimentary rocks. Scientific Reports, 2015, 5, 14264. | 1.6 | 52 |
| 8 | Appraising the impacts of SiO2, ZnO and TiO2 nanoparticles on rheological properties and shale inhibition of water-based drilling muds. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 581, 123792. | 2.3 | 46 |
| 9 | Effect of emulsified water on the wax appearance temperature of water-in-waxy-crude-oil emulsions. Thermochimica Acta, 2016, 637, 132-142. | 1.2 | 33 |
| 10 | Influence of clay particles on Al2O3 and TiO2 nanoparticles transport and retention through limestone porous media: measurements and mechanisms. Journal of Nanoparticle Research, 2015, 17, 1. | 0.8 | 32 |
| 11 | Assessing the effects of different gas types on stability of SiO2 nanoparticle foam for enhanced oil recovery purpose. Journal of Molecular Liquids, 2020, 313, 113521. | 2.3 | 27 |
| 12 | Transportation of Metal Oxide Nanoparticles Through Various Porous Media for Enhanced Oil Recovery. , 2015, , . | | 20 |
| 13 | Application of CO2-based vapor extraction process for high pressure and temperature heavy oil reservoirs. Journal of Petroleum Science and Engineering, 2015, 135, 280-290. | 2.1 | 16 |
| 14 | Transport and aggregation of Al2O3 nanoparticles through saturated limestone under high ionic strength conditions: measurements and mechanisms. Journal of Nanoparticle Research, 2014, 16, 1. | 0.8 | 15 |
| 15 | Evaluation of rheological and filtration properties of a polymeric water-based drilling mud in presence of nano additives at various temperatures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127128. | 2.3 | 13 |
| 16 | Optimization of solvent composition and injection rate in vapour extraction process. Journal of Petroleum Science and Engineering, 2015, 128, 33-43. | 2.1 | 5 |
| 17 | Mixture temperature prediction of waxy oilâ€“water two-phase system flowing near wax appearance temperature. Chinese Journal of Chemical Engineering, 2016, 24, 795-802. | 1.7 | 4 |
| 18 | Evaluation of vapour extraction process and its prospect as an enhanced oil recovery method. International Journal of Oil, Gas and Coal Technology, 2015, 9, 394. | 0.1 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | INTEGRATED DATA ANALYSIS AND MODELING OF A HIGHLY HETEROGENEOUS CARBONATE RESERVOIR. Special Topics and Reviews in Porous Media, 2016, 7, 27-42. | 0.6 | 0 |