

Mahmoud Reza Pishvaie

List of Publications by Year in descending order

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39
papers

847
citations

516710

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501196

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times ranked

812
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | An innovative workflow for selecting appraisal area in low permeability greenfield development under uncertainties. <i>Journal of Petroleum Science and Engineering</i> , 2021, 206, 109019. | 4.2 | 2 |
| 2 | A hybrid assimilation scheme for characterization of three-phase flow in porous media. <i>Inverse Problems in Science and Engineering</i> , 2019, 27, 1195-1220. | 1.2 | 1 |
| 3 | New Correlative Models to Improve Prediction of Fracture Permeability and Inertial Resistance Coefficient. <i>Transport in Porous Media</i> , 2018, 121, 557-584. | 2.6 | 16 |
| 4 | Plant-Wide Control of an Integrated Molten Carbonate Fuel Cell Plant. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2018, 15, . | 2.1 | 2 |
| 5 | Joint estimation of facies boundaries and petrophysical properties in multi-facies channelized reservoirs through ensemble-based Kalman filter and level set parametrization. <i>Journal of Petroleum Science and Engineering</i> , 2018, 167, 752-773. | 4.2 | 7 |
| 6 | Impact of initial ensembles on posterior distribution of ensemble-based assimilation methods. <i>Journal of Petroleum Science and Engineering</i> , 2018, 171, 82-98. | 4.2 | 7 |
| 7 | Multi-criterion based well placement and control in the water-flooding of naturally fractured reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2017, 149, 675-685. | 4.2 | 23 |
| 8 | INVESTIGATING THE PERMEABILITYâ€“POROSITY RELATION OF PERCOLATION-BASED POROUS MEDIA USING THE LATTICE BOLTZMANN METHOD. <i>Journal of Porous Media</i> , 2017, 20, 899-919. | 1.9 | 5 |
| 9 | Optimal control of batch cooling crystallizers by using genetic algorithm. <i>Case Studies in Thermal Engineering</i> , 2016, 8, 300-310. | 5.7 | 54 |
| 10 | Pareto-based robust optimization of water-flooding using multiple realizations. <i>Journal of Petroleum Science and Engineering</i> , 2015, 132, 18-27. | 4.2 | 31 |
| 11 | Control of anode supported SOFCs (solid oxide fuel cells): Part I. mathematical modeling and state estimation within one cell. <i>Energy</i> , 2015, 90, 605-621. | 8.8 | 27 |
| 12 | Joint estimation of absolute and relative permeabilities using ensemble-based Kalman filter. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 26, 1232-1245. | 4.4 | 13 |
| 13 | A new method to improve estimation of uncertain parameters in the Ensemble Kalman filter by re-parameterization employing prior statistics correction. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 27, 247-259. | 4.4 | 1 |
| 14 | Multi-objective optimization approach for green design of methanol plant based on CO2-efficiency indicator. <i>Journal of Cleaner Production</i> , 2015, 103, 640-650. | 9.3 | 47 |
| 15 | Simulation of wellbore stability with thermo-hydro-chemo-mechanical coupling in troublesome formations: an example from Ahwaz oil field, SW Iran. <i>Arabian Journal of Geosciences</i> , 2015, 8, 379-396. | 1.3 | 15 |
| 16 | Understanding the polydisperse behavior of asphaltenes during precipitation. <i>Fuel</i> , 2014, 117, 206-217. | 6.4 | 54 |
| 17 | Subsurface characterization with localized ensemble Kalman filter employing adaptive thresholding. <i>Advances in Water Resources</i> , 2014, 69, 181-196. | 3.8 | 7 |
| 18 | Precipitated Asphaltene Amount at High-Pressure and High-Temperature Conditions. <i>Energy & Fuels</i> , 2014, 28, 1596-1610. | 5.1 | 35 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Asphaltene Deposition in Different Depositing Environments: Part 1. Model Oil. Energy & Fuels, 2014, 28, 1617-1628. | 5.1 | 54 |
| 20 | Investigation of Oil's Asphaltene Slurry Rheological Behavior. Journal of Dispersion Science and Technology, 2014, 35, 1155-1162. | 2.4 | 10 |
| 21 | APPLICATION OF GENETIC ALGORITHM FOR OPTIMIZATION OF SEPARATOR PRESSURES IN MULTISTAGE PRODUCTION UNITS. Chemical Engineering Communications, 2014, 201, 926-938. | 2.6 | 18 |
| 22 | Asphaltene Deposition in Different Depositing Environments: Part 2. Real Oil. Energy & Fuels, 2014, 28, 3594-3603. | 5.1 | 46 |
| 23 | A new approach to counter-current spontaneous imbibition simulation using Green element method. Journal of Petroleum Science and Engineering, 2014, 119, 163-168. | 4.2 | 6 |
| 24 | Application of multi-criterion robust optimization in water-flooding of oil reservoir. Journal of Petroleum Science and Engineering, 2013, 109, 1-11. | 4.2 | 63 |
| 25 | An analytical delumping methodology for PC-SAFT with application to reservoir fluids. Fluid Phase Equilibria, 2013, 339, 40-51. | 2.5 | 5 |
| 26 | An optimization-oriented green design for methanol plants. Journal of Chemical Technology and Biotechnology, 2012, 87, 1111-1120. | 3.2 | 13 |
| 27 | Field Scale Characterization of Geological Formations Using Percolation Theory. Transport in Porous Media, 2012, 92, 357-372. | 2.6 | 16 |
| 28 | Fully implicit compositional thermal simulator using rigorous multiphase calculations. Scientia Iranica, 2011, 18, 509-517. | 0.4 | 1 |
| 29 | Application of an improved harmony search algorithm in well placement optimization using streamline simulation. Journal of Petroleum Science and Engineering, 2011, 78, 664-678. | 4.2 | 61 |
| 30 | Green Element solution of one-dimensional counter-current spontaneous imbibition in water wet porous media. Journal of Petroleum Science and Engineering, 2010, 70, 302-307. | 4.2 | 12 |
| 31 | A new semi-analytical modeling of steam-assisted gravity drainage in heavy oil reservoirs. Journal of Petroleum Science and Engineering, 2009, 69, 261-270. | 4.2 | 27 |
| 32 | Application of GA in optimization of pore network models generated by multi-cellular growth algorithms. Advances in Water Resources, 2009, 32, 1543-1553. | 3.8 | 15 |
| 33 | Integrated seismic attributes to characterize a widely distributed carbonate clastic deposit system in Khuzestan Province, SW Iran. Journal of Geophysics and Engineering, 2009, 6, 162-171. | 1.4 | 7 |
| 34 | Stochastic and global real time optimization of Tennessee Eastman challenge problem. Engineering Applications of Artificial Intelligence, 2008, 21, 215-228. | 8.1 | 13 |
| 35 | An approach to defining tortuosity and cementation factor in carbonate reservoir rocks. Journal of Petroleum Science and Engineering, 2008, 60, 125-131. | 4.2 | 39 |
| 36 | Optimal scheduling of mixed batch and continuous processes incorporating utility aspects. Chemical Engineering and Processing: Process Intensification, 2007, 46, 271-281. | 3.6 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Control of pH processes using fuzzy modeling of titration curve. Fuzzy Sets and Systems, 2006, 157, 2983-3006. | 2.7 | 16 |
| 38 | Simulation and exergy-method analysis of an industrial refrigeration cycle used in NGL recovery units. International Journal of Energy Research, 2006, 30, 1336-1351. | 4.5 | 55 |
| 39 | pH Control Using the Nonlinear Multiple Models, Switching, and Tuning Approach. Industrial & Engineering Chemistry Research, 2000, 39, 1311-1319. | 3.7 | 10 |