

Mahmoud Reza Pishvaie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9564997/publications.pdf>

Version: 2024-02-01

39
papers

847
citations

516710

16
h-index

501196

28
g-index

39
all docs

39
docs citations

39
times ranked

812
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Understanding the polydisperse behavior of asphaltenes during precipitation. Fuel, 2014, 117, 206-217.	6.4	54
5	Asphaltene Deposition in Different Depositing Environments: Part 1. Model Oil. Energy & Fuels, 2014, 28, 1617-1628.	5.1	54
6	Optimal control of batch cooling crystallizers by using genetic algorithm. Case Studies in Thermal Engineering, 2016, 8, 300-310.	5.7	54
7	Multi-objective optimization approach for green design of methanol plant based on CO ₂ -efficiency indicator. Journal of Cleaner Production, 2015, 103, 640-650.	9.3	47
8	Asphaltene Deposition in Different Depositing Environments: Part 2. Real Oil. Energy & Fuels, 2014, 28, 3594-3603.	5.1	46
9	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
10	Precipitated Asphaltene Amount at High-Pressure and High-Temperature Conditions. Energy & Fuels, 2014, 28, 1596-1610.	5.1	35
11	Pareto-based robust optimization of water-flooding using multiple realizations. Journal of Petroleum Science and Engineering, 2015, 132, 18-27.	4.2	31
12	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
13	Control of anode supported SOFCs (solid oxide fuel cells): Part I. mathematical modeling and state estimation within one cell. Energy, 2015, 90, 605-621.	8.8	27
14	Multi-criterion based well placement and control in the water-flooding of naturally fractured reservoir. Journal of Petroleum Science and Engineering, 2017, 149, 675-685.	4.2	23
15	APPLICATION OF GENETIC ALGORITHM FOR OPTIMIZATION OF SEPARATOR PRESSURES IN MULTISTAGE PRODUCTION UNITS. Chemical Engineering Communications, 2014, 201, 926-938.	2.6	18
16	Control of pH processes using fuzzy modeling of titration curve. Fuzzy Sets and Systems, 2006, 157, 2983-3006.	2.7	16
17	Field Scale Characterization of Geological Formations Using Percolation Theory. Transport in Porous Media, 2012, 92, 357-372.	2.6	16
18	New Correlative Models to Improve Prediction of Fracture Permeability and Inertial Resistance Coefficient. Transport in Porous Media, 2018, 121, 557-584.	2.6	16

#	ARTICLE	IF	CITATIONS
19	Application of GA in optimization of pore network models generated by multi-cellular growth algorithms. <i>Advances in Water Resources</i> , 2009, 32, 1543-1553.	3.8	15
20	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
21	Optimal scheduling of mixed batch and continuous processes incorporating utility aspects. <i>Chemical Engineering and Processing: Process Intensification</i> , 2007, 46, 271-281.	3.6	13
22	Stochastic and global real time optimization of Tennessee Eastman challenge problem. <i>Engineering Applications of Artificial Intelligence</i> , 2008, 21, 215-228.	8.1	13
23	An optimization-oriented green design for methanol plants. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1111-1120.	3.2	13
24	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
25	Green Element solution of one-dimensional counter-current spontaneous imbibition in water wet porous media. <i>Journal of Petroleum Science and Engineering</i> , 2010, 70, 302-307.	4.2	12
26	pH Control Using the Nonlinear Multiple Models, Switching, and Tuning Approach. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 1311-1319.	3.7	10
27	Investigation of Oil-Asphaltene Slurry Rheological Behavior. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 1155-1162.	2.4	10
28	Integrated seismic attributes to characterize a widely distributed carbonate clastic deposit system in Khuzestan Province, SW Iran. <i>Journal of Geophysics and Engineering</i> , 2009, 6, 162-171.	1.4	7
29	Subsurface characterization with localized ensemble Kalman filter employing adaptive thresholding. <i>Advances in Water Resources</i> , 2014, 69, 181-196.	3.8	7
30	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
31	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
32	A new approach to counter-current spontaneous imbibition simulation using Green element method. <i>Journal of Petroleum Science and Engineering</i> , 2014, 119, 163-168.	4.2	6
33	An analytical delumping methodology for PC-SAFT with application to reservoir fluids. <i>Fluid Phase Equilibria</i> , 2013, 339, 40-51.	2.5	5
34	INVESTIGATING THE PERMEABILITY-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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Fully implicit compositional thermal simulator using rigorous multiphase calculations. <i>Scientia Iranica</i> , 2011, 18, 509-517.	0.4	1
38	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
39	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