

# Fei Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

295  
citations

933447

10  
h-index

940533

16  
g-index

24  
all docs

24  
docs citations

24  
times ranked

154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-series production forecasting method based on the integration of Bidirectional Gated Recurrent Unit (Bi-GRU) network and Sparrow Search Algorithm (SSA). Journal of Petroleum Science and Engineering, 2022, 208, 109309.	4.2	58
2	A physics-constrained long-term production prediction method for multiple fractured wells using deep learning. Journal of Petroleum Science and Engineering, 2022, 217, 110844.	4.2	9
3	A multi-mechanism multi-pore coupled salt flowback model and field application for hydraulically fractured shale wells. Journal of Petroleum Science and Engineering, 2021, 196, 108013.	4.2	4
4	The flowback behavior of salt in hydraulically fractured shale under multi-phase flow conditions: Modelling, simulation and application. Journal of Natural Gas Science and Engineering, 2021, 92, 103985.	4.4	2
5	Mathematical Modeling and Numerical Simulation of Water-Rock Interaction in Shale Under Fracturing-Fluid Flowback Conditions. Water Resources Research, 2021, 57, e2020WR029537.	4.2	6
6	Numerical Investigation of Oil-Water Exchange Behaviors in Shale During Post-Fracturing Soaking Periods. Frontiers in Earth Science, 2021, 9, .	1.8	0
7	A pressure drop model of post-fracturing shut-in considering the effect of fracturing-fluid imbibition and oil replacement. Petroleum Exploration and Development, 2021, 48, 1440-1449.	7.0	12
8	Application of Gated Recurrent Unit (GRU) Neural Network for Smart Batch Production Prediction. Energies, 2020, 13, 6121.	3.1	27
9	Fracturing-Fluid Flowback Simulation with Consideration of Proppant Transport in Hydraulically Fractured Shale Wells. ACS Omega, 2020, 5, 9491-9502.	3.5	11
10	Hydrodynamic Equilibrium Simulation and Shut-in Time Optimization for Hydraulically Fractured Shale Gas Wells. Energies, 2020, 13, 961.	3.1	8
11	Fracture Characterization Using Flowback Water Transients from Hydraulically Fractured Shale Gas Wells. ACS Omega, 2019, 4, 14688-14698.	3.5	7
12	Simulation of proppant distribution in hydraulically fractured shale network during shut-in periods. Journal of Petroleum Science and Engineering, 2019, 178, 467-474.	4.2	17
13	Coupled thermo-hydro-chemical modeling of fracturing-fluid leakoff in hydraulically fractured shale gas reservoirs. Journal of Petroleum Science and Engineering, 2018, 161, 17-28.	4.2	6
14	Simulation of coupled hydro-mechanical-chemical phenomena in hydraulically fractured gas shale during fracturing-fluid flowback. Journal of Petroleum Science and Engineering, 2018, 163, 16-26.	4.2	12
15	Impact of chemical osmosis on water leakoff and flowback behavior from hydraulically fractured gas shale. Journal of Petroleum Science and Engineering, 2017, 151, 264-274.	4.2	19
16	Modeling Water Leak-off Behavior in Hydraulically Fractured Gas Shale under Multi-mechanism Dominated Conditions. Transport in Porous Media, 2017, 118, 177-200.	2.6	17
17	Coupled Thermo-Hydro-Mechanical-Chemical Modeling of Water Leak-Off Process during Hydraulic Fracturing in Shale Gas Reservoirs. Energies, 2017, 10, 1960.	3.1	10
18	Numerical simulation of chemical potential dominated fracturing fluid flowback in hydraulically fractured shale gas reservoirs. Petroleum Exploration and Development, 2016, 43, 1060-1066.	7.0	17

#	ARTICLE	IF	CITATIONS
19	Pressure-buildup analysis method for a post-treatment evaluation of hydraulically fractured tight gas wells. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 35, 753-760.	4.4	2
20	Modeling fracturing-fluid flowback behavior in hydraulically fractured shale gas under chemical potential dominated conditions. <i>Applied Geochemistry</i> , 2016, 74, 194-202.	3.0	14
21	Processing and analysis of transient pressure measurements from permanent down-hole gauges. <i>Petroleum Science</i> , 2012, 9, 330-335.	4.9	2
22	A new method to optimize the fracture geometry of a frac-packed well in unconsolidated sandstone heavy oil reservoirs. <i>Science China Technological Sciences</i> , 2012, 55, 1725-1731.	4.0	18
23	Extraction of Interference from Long-term Transient Pressure using Multi-well Deconvolution Algorithm for Well Test Analysis. , 2010, , .		9
24	Multi-Well Deconvolution Algorithm for the Diagnostic, Analysis of Transient Pressure With Interference From Permanent Down-hole Gauges (PDG). , 2009, , .		8