Xiaodong Wang

List of Publications by Year
in descending order

24 papers	303 citations	1040056 9 h-index	888059 17 g-index
24 all docs	24 docs citations	24 times ranked	213 citing authors

#	Article	IF	Citations
1	Pressure transient analysis of a horizontal well intercepted by multiple non-planar vertical fractures. Journal of Petroleum Science and Engineering, 2014, 124, 232-242.	4.2	43
2	Simulation of Pressure Transient Behavior for Asymmetrically Finite-Conductivity Fractured Wells in Coal Reservoirs. Transport in Porous Media, 2013, 97, 353-372.	2.6	40
3	A new simulation framework for predicting the onset and effects of fines mobilization. Transport in Porous Media, 2007, 68, 265-283.	2.6	29
4	Analytical Modeling of Flow Behavior for Wormholes in Naturally Fractured–Vuggy Porous Media. Transport in Porous Media, 2014, 105, 539-558.	2.6	29
5	Type Curves Analysis for Asymmetrically Fractured Wells. Journal of Energy Resources Technology, Transactions of the ASME, 2014, 136, .	2.3	26
6	Pressure-transient analysis for a vertically fractured well at an arbitrary azimuth in a rectangular anisotropic reservoir. Journal of Petroleum Science and Engineering, 2017, 159, 279-294.	4.2	16
7	Productivity of multiple fractures in a closed rectangular reservoir. Journal of Petroleum Science and Engineering, 2017, 157, 232-247.	4.2	15
8	Productivity analysis of horizontal wells intercepted by multiple finite-conductivity fractures. Petroleum Science, 2010, 7, 367-371.	4.9	14
9	Rate Decline Analysis of Vertically Fractured Wells in Shale Gas Reservoirs. Energies, 2017, 10, 1602.	3.1	14
10	A new method for rapid productivity estimation of 5-spot well pattern. Petroleum Exploration and Development, 2010, 37, 726-731.	7.0	9
11	Phase behavior characteristics and water-flooding development technical policy of weakly volatile oil in carbonate reservoirs. Petroleum Exploration and Development, 2016, 43, 308-314.	7.0	9
12	Transient analysis for fractured gas wells by modified pseudo-functions in stress-sensitive reservoirs. Journal of Natural Gas Science and Engineering, 2016, 35, 1129-1138.	4.4	9
13	Rate decline analysis for finite conductivity vertical fractured gas wells produced under a variable inner boundary condition. Journal of Petroleum Science and Engineering, 2018, 171, 1249-1259.	4.2	9
14	Productivity analysis for a vertically fractured well under non-Darcy flow condition. Journal of Petroleum Science and Engineering, 2016, 146, 714-725.	4.2	8
15	Transient pressure analysis of a volume fracturing well in fractured tight oil reservoirs. Journal of Geophysics and Engineering, 2017, 14, 1509-1520.	1.4	8
16	Modelling of pressure transient behaviour for fractured gas wells under stress-sensitive and slippage effects. International Journal of Oil, Gas and Coal Technology, 2016, 11, 18.	0.2	7
17	Analytical Solutions for Non-Darcy Transient Flow with the Threshold Pressure Gradient in Multiple-Porosity Media. Mathematical Problems in Engineering, 2019, 2019, 1-13.	1.1	6
18	A mathematical model and semi-analytical solution for transient pressure of vertical fracture with varying conductivity in three crossflow rectangular layers. Energy Exploration and Exploitation, 2019, 37, 230-250.	2.3	4

#	Article	IF	Citations
19	Analytical modeling of pressure transient behavior for coalbed methane transport in anisotropic media. Journal of Geophysics and Engineering, 2014, 11, 035002.	1.4	3
20	A Semianalytical Solution for Multifractured Horizontal Wells in Box-Shaped Reservoirs. Mathematical Problems in Engineering, 2014, 2014, 1-12.	1.1	2
21	An Analytical Solution of Partially Penetrating Hydraulic Fractures in a Box-Shaped Reservoir. Mathematical Problems in Engineering, 2015, 2015, 1-11.	1.1	2
22	Rate Decline Analysis for Limited-Entry Well in Abnormally High-Pressured Composite Naturally Fractured Gas Reservoirs. Applied Sciences (Switzerland), 2019, 9, 1821.	2.5	1
23	Productivity Analysis of Volume Fractured Wells under Different Working Systems. Geofluids, 2021, 2021, 1-21.	0.7	0
24	A New Approach for Determining the Control Volumes of Production Wells considering Irregular Well Distribution and Heterogeneous Reservoir Properties. Geofluids, 2021, 2021, 1-13.	0.7	0