Bin Wang

List of Publications by Year
in descending order

19 papers	282 citations	10 h-index	16 g-index

| 21 all docs | 21 docs citations | 21 times ranked | 116 citing authors |

#	Article	IF	Citations
1	Three-Dimensional Projection-Based Embedded Discrete-Fracture Model for Compositional Simulation of Fractured Reservoirs. SPE Journal, 2020, 25, 2143-2161.	3.1	55
2	Hydraulics Calculations and Field Application of Radial Jet Drilling. SPE Drilling and Completion, 2016, 31, 071-081.	1.6	42
3	Digital quantification of fracture in full-scale rock using micro-CT images: A fracturing experiment with N2 and CO2. Journal of Petroleum Science and Engineering, 2021, 196, 107682.	4.2	34
4	An Open-Source Code for Fluid Flow Simulations in Unconventional Fractured Reservoirs. Geosciences (Switzerland), 2021, 11, 106.	2.2	25
5	A Field Case Study of Managed Pressure Drilling in Offshore Ultra High-Pressure High-Temperature Exploration Well in the South China Sea. SPE Drilling and Completion, 2020, 35, 503-524.	1.6	19
6	An Embedded Grid-Free Approach for Near-Wellbore Streamline Simulation. SPE Journal, 2018, 23, 567-588.	3.1	15
7	Full-Sample X-ray Microcomputed Tomography Analysis of Supercritical CO_2 Fracturing in Tight Sandstone: Effect of Stress on Fracture Dynamics. Energy & Fuels, 2021, 35, 1308-1321.	5.1	14
8	Accelerating linear solvers for Stokes problems with C++ metaprogramming. Journal of Computational Science, 2021, 49, 101285.	2.9	12
9	Lab Testing and Finite Element Method Simulation of Hole Deflector Performance for Radial Jet Drilling. Journal of Energy Resources Technology, Transactions of the ASME, 2017, 139, .	2.3	11
10	Slotted liner sheathing coiled tubing-a new concept for multilateral jetting in coalbed methane wells and laboratory tests of tubular friction performance. Journal of Natural Gas Science and Engineering, 2015, 26, 1332-1343.	4.4	10
11	Iterative coupling algorithms for large multidomain problems with the boundary element method. International Journal for Numerical Methods in Engineering, 2019, 117, 1-14.	2.8	9
12	An GPU-accelerated particle tracking method for Eulerianâ€"Lagrangian simulations using hardware ray tracing cores. Computer Physics Communications, 2022, 271, 108221.	7.5	9
13	Productivity enhancement in multilayered coalbed methane reservoirs by radial borehole fracturing. Petroleum Science, 2022, 19, 2844-2866.	4.9	8
14	Numerical simulation of channel fracturing technology in developing shale gas reservoirs. Journal of Natural Gas Science and Engineering, 2020, 83, 103515.	4.4	7
15	An Embedded Grid-Free Approach for Near Wellbore Streamline Simulation. , 2017, , .		4
16	Discontinuous boundary elements for steady-state fluid flow problems in discrete fracture networks. Advances in Water Resources, 2022, 161, 104125.	3.8	3
17	Viscosity robust weak Galerkin finite element methods for Stokes problems. Electronic Research Archive, 2021, 29, 1881-1895.	0.9	2
18	Implementation of streamline simulation based on finite element method in FEniCS. Computational Geosciences, 2020, 24, 333-347.	2.4	0

#	ARTICLE	IF	CITATIONS
19	Streamline-based simulation of nanoparticle transport in field-scale heterogeneous subsurface systems. Advances in Water Resources, 2021, 148, 103842.	3.8	0