

Bin Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2018996/publications.pdf>

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19
papers

282
citations

933447

10
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

116
citing authors

#	ARTICLE	IF	CITATIONS
1	An GPU-accelerated particle tracking method for Eulerian-Lagrangian simulations using hardware ray tracing cores. <i>Computer Physics Communications</i> , 2022, 271, 108221.	7.5	9
2	Discontinuous boundary elements for steady-state fluid flow problems in discrete fracture networks. <i>Advances in Water Resources</i> , 2022, 161, 104125.	3.8	3
3	Productivity enhancement in multilayered coalbed methane reservoirs by radial borehole fracturing. <i>Petroleum Science</i> , 2022, 19, 2844-2866.	4.9	8
4	Digital quantification of fracture in full-scale rock using micro-CT images: A fracturing experiment with N ₂ and CO ₂ . <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 107682.	4.2	34
5	Full-Sample X-ray Microcomputed Tomography Analysis of Supercritical CO ₂ Fracturing in Tight Sandstone: Effect of Stress on Fracture Dynamics. <i>Energy & Fuels</i> , 2021, 35, 1308-1321.	5.1	14
6	Streamline-based simulation of nanoparticle transport in field-scale heterogeneous subsurface systems. <i>Advances in Water Resources</i> , 2021, 148, 103842.	3.8	0
7	Accelerating linear solvers for Stokes problems with C++ metaprogramming. <i>Journal of Computational Science</i> , 2021, 49, 101285.	2.9	12
8	An Open-Source Code for Fluid Flow Simulations in Unconventional Fractured Reservoirs. <i>Geosciences (Switzerland)</i> , 2021, 11, 106.	2.2	25
9	Viscosity robust weak Galerkin finite element methods for Stokes problems. <i>Electronic Research Archive</i> , 2021, 29, 1881-1895.	0.9	2
10	Implementation of streamline simulation based on finite element method in FEniCS. <i>Computational Geosciences</i> , 2020, 24, 333-347.	2.4	0
11	Three-Dimensional Projection-Based Embedded Discrete-Fracture Model for Compositional Simulation of Fractured Reservoirs. <i>SPE Journal</i> , 2020, 25, 2143-2161.	3.1	55
12	Numerical simulation of channel fracturing technology in developing shale gas reservoirs. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 83, 103515.	4.4	7
13	A Field Case Study of Managed Pressure Drilling in Offshore Ultra High-Pressure High-Temperature Exploration Well in the South China Sea. <i>SPE Drilling and Completion</i> , 2020, 35, 503-524.	1.6	19
14	Iterative coupling algorithms for large multidomain problems with the boundary element method. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 117, 1-14.	2.8	9
15	An Embedded Grid-Free Approach for Near-Wellbore Streamline Simulation. <i>SPE Journal</i> , 2018, 23, 567-588.	3.1	15
16	Lab Testing and Finite Element Method Simulation of Hole Deflector Performance for Radial Jet Drilling. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2017, 139, .	2.3	11
17	An Embedded Grid-Free Approach for Near Wellbore Streamline Simulation. , 2017, , .		4
18	Hydraulics Calculations and Field Application of Radial Jet Drilling. <i>SPE Drilling and Completion</i> , 2016, 31, 071-081.	1.6	42

#	ARTICLE	IF	CITATIONS
19	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