

Yongfei Yang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106
papers

2,400
citations

28
h-index

45
g-index

117
ext. papers

3,229
ext. citations

4.7
avg, IF

5.44
L-index

#	Paper	IF	Citations
106	Flow behaviors of shale oil in kerogen slit by molecular dynamics simulation. <i>Chemical Engineering Journal</i> , 2022 , 434, 134682	14.7	4
105	Multi-scale reconstruction of porous media from low-resolution core images using conditional generative adversarial networks. <i>Journal of Natural Gas Science and Engineering</i> , 2022 , 99, 104411	4.6	2
104	Fourier Neural Operator for Solving Subsurface Oil/Water Two-Phase Flow Partial Differential Equation. <i>SPE Journal</i> , 2022 , 1-15	3.1	1
103	Long noncoding RNA NEAT1 promotes ferroptosis by modulating the miR-362-3p/MIOX axis as a ceRNA.. <i>Cell Death and Differentiation</i> , 2022 ,	12.7	4
102	A new approach for the demonstration of acidizing parameters of carbonates: Experimental and field studies. <i>Journal of Petroleum Science and Engineering</i> , 2022 , 213, 110363	4.4	0
101	Historical Window-Enhanced Transfer Gaussian Process for Production Optimization. <i>SPE Journal</i> , 2022 , 1-18	3.1	
100	A vector-to-sequence based multilayer recurrent network surrogate model for history matching of large-scale reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2022 , 214, 110548	4.4	0
99	The Simulation of Liquid Flow in the Pore Network Model of Nanoporous Media. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021 , 143,	2.6	3
98	The Influence of Fracture on the Permeability of Carbonate Reservoir Formation Using Lattice Boltzmann Method. <i>Water (Switzerland)</i> , 2021 , 13, 3162	3	0
97	In Situ Deformation Analysis of a Fracture in Coal under Cyclic Loading and Unloading. <i>Energies</i> , 2021 , 14, 6474	3.1	0
96	Experimental study of the influence of the content of calcite and dolomite in the rock on the efficiency of acid treatment. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 109770	4.4	4
95	Investigation of well testing reservoirs with multiphase flow in a mature field. <i>Simulation</i> , 2021 , 97, 83-96.2	3.6	3
94	Computational fluid dynamic discrete element method coupling analysis of particle transport in branched networks. <i>Particuology</i> , 2021 , 55, 140-150	2.8	3
93	Spontaneous Imbibition in a Fractal Network Model with Different Wettabilities. <i>Water (Switzerland)</i> , 2021 , 13, 2370	3	2
92	Pore-scale simulation of remaining oil distribution in 3D porous media affected by wettability and capillarity based on volume of fluid method. <i>International Journal of Multiphase Flow</i> , 2021 , 143, 103746	3.6	11
91	Self-adaptive multifactorial evolutionary algorithm for multitasking production optimization. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 205, 108900	4.4	3
90	Effect of particle content on relative permeabilities in water flooding. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 205, 108856	4.4	4

89	Numerical analysis of gas production laws considering heterogeneous proppant distribution. <i>Journal of Natural Gas Science and Engineering</i> , 2021 , 95, 104211	4.6	0
88	Liquid nitrogen fracturing efficiency as a function of coal rank: A multi-scale tomographic study. <i>Journal of Natural Gas Science and Engineering</i> , 2021 , 95, 104177	4.6	29
87	Pore-scale investigation of immiscible displacement in rough fractures. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 207, 109107	4.4	2
86	Multiscale flow simulation of shale oil considering hydro-thermal process. <i>Applied Thermal Engineering</i> , 2020 , 177, 115428	5.8	7
85	Production optimization for alternated separate-layer water injection in complex fault reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 193, 107409	4.4	8
84	Dynamic Pore-Scale Dissolution by CO ₂ -Saturated Brine in Carbonates: Impact of Homogeneous Versus Fractured Versus Vuggy Pore Structure. <i>Water Resources Research</i> , 2020 , 56, e2019WR026112	5.4	80
83	Stress Sensitivity of Fractured and Vuggy Carbonate: An X-Ray Computed Tomography Analysis. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018759	3.6	64
82	Viscous Dissipation and Apparent Permeability of Gas Flow in Nanoporous Media. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018667	3.6	8
81	Nedd4 ubiquitylates VDAC2/3 to suppress erastin-induced ferroptosis in melanoma. <i>Nature Communications</i> , 2020 , 11, 433	17.4	76
80	Numerical study on particle transport and deposition in rough fractures. <i>Oil and Gas Science and Technology</i> , 2020 , 75, 23	1.9	4
79	Surrogate-assisted evolutionary algorithm with dimensionality reduction method for water flooding production optimization. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 185, 106633	4.4	20
78	Adsorption behaviors of shale oil in kerogen slit by molecular simulation. <i>Chemical Engineering Journal</i> , 2020 , 387, 124054	14.7	94
77	Pore-scale analysis of coal cleat network evolution through liquid nitrogen treatment: A Micro-Computed Tomography investigation. <i>International Journal of Coal Geology</i> , 2020 , 219, 103370	5.5	58
76	Global and Local Surrogate-Model-Assisted Differential Evolution for Waterflooding Production Optimization. <i>SPE Journal</i> , 2020 , 25, 105-118	3.1	30
75	Changes in relative permeability curves for natural gas hydrate decomposition due to particle migration. <i>Journal of Natural Gas Science and Engineering</i> , 2020 , 84, 103634	4.6	11
74	Quantitative Statistical Evaluation of Micro Residual Oil after Polymer Flooding Based on X-ray Micro Computed-Tomography Scanning. <i>Energy & Fuels</i> , 2020 , 34, 10762-10772	4.1	8
73	Multicomponent Shale Oil Flow in Real Kerogen Structures via Molecular Dynamic Simulation. <i>Energies</i> , 2020 , 13, 3815	3.1	6
72	Influence of Stress Sensitivity on Water-Gas Flow in Carbonate Rocks. <i>Geofluids</i> , 2020 , 2020, 1-12	1.5	

71	Dynamic pore network modelling of real gas transport in shale nanopore structure. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 184, 106506	4.4	16
70	Formation damage evaluation of a sandstone reservoir via pore-scale X-ray computed tomography analysis. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 183, 106356	4.4	41
69	Cellulose nanocrystal structure in the presence of salts. <i>Cellulose</i> , 2019 , 26, 9387-9401	5.5	16
68	An upscaled transport model for shale gas considering multiple mechanisms and heterogeneity based on homogenization theory. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 183, 106392	4.4	7
67	Numerical simulations of proppant deposition and transport characteristics in hydraulic fractures and fracture networks. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 183, 106401	4.4	32
66	Methane (CH ₄) Wettability of Clay-Coated Quartz at Reservoir Conditions. <i>Energy & Fuels</i> , 2019 , 33, 788-795	4.1	35
65	Pore-scale simulation of shale oil flow based on pore network model. <i>Fuel</i> , 2019 , 251, 683-692	7.1	67
64	A forward modeling method based on electromagnetic theory to measure the parameters of hydraulic fracture. <i>Fuel</i> , 2019 , 251, 466-473	7.1	5
63	Microscopic Determination of Remaining Oil Distribution in Sandstones With Different Permeability Scales Using Computed Tomography Scanning. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2019 , 141,	2.6	55
62	Well-Placement Optimization in an Enhanced Geothermal System Based on the Fracture Continuum Method and 0-1 Programming. <i>Energies</i> , 2019 , 12, 709	3.1	5
61	Homogenization approach for liquid flow within shale system considering slip effect. <i>Journal of Cleaner Production</i> , 2019 , 235, 146-157	10.3	11
60	Construction and optimization of adaptive well pattern based on reservoir anisotropy and uncertainty. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 181, 106252	4.4	9
59	Thermal Conduction Simulation Based on Reconstructed Digital Rocks with Respect to Fractures. <i>Energies</i> , 2019 , 12, 2768	3.1	3
58	Nanoscale confined gas and water multiphase transport in nanoporous shale with dual surface wettability. <i>Advances in Water Resources</i> , 2019 , 130, 300-313	4.7	21
57	The Investigation of Permeability Calculation Using Digital Core Simulation Technology. <i>Energies</i> , 2019 , 12, 3273	3.1	30
56	Pore-Scale Investigation of Methane Hydrate Dissociation Using the Lattice Boltzmann Method. <i>Water Resources Research</i> , 2019 , 55, 8422-8444	5.4	22
55	Mechanisms of water flooding characteristic curve upwarping at high water-cut stage and influencing factors. <i>Chinese Science Bulletin</i> , 2019 , 64, 2751-2760	2.9	4
54	Microscopic remaining oil distribution and quantitative analysis of polymer flooding based on CT scanning. <i>Advances in Geo-Energy Research</i> , 2019 , 3, 448-456	6.2	16

53	A Pore-Scale Investigation of Residual Oil Distributions and Enhanced Oil Recovery Methods. <i>Energies</i> , 2019 , 12, 3732	3.1	17
52	The Influence of Micro-Fractures on the Flow in Tight Oil Reservoirs Based on Pore-Network Models. <i>Energies</i> , 2019 , 12, 4104	3.1	5
51	Multiscale image-based fractal characteristic of shale pore structure with implication to accurate prediction of gas permeability. <i>Fuel</i> , 2019 , 241, 522-532	7.1	42
50	Accumulation behaviors of methane in the aqueous environment with organic matters. <i>Fuel</i> , 2019 , 236, 836-842	7.1	20
49	Numerical Simulation of Multiphase Flow in Nanoporous Organic Matter With Application to Coal and Gas Shale Systems. <i>Water Resources Research</i> , 2018 , 54, 1077-1092	5.4	32
48	miR-137 regulates ferroptosis by targeting glutamine transporter SLC1A5 in melanoma. <i>Cell Death and Differentiation</i> , 2018 , 25, 1457-1472	12.7	166
47	miR-216b enhances the efficacy of vemurafenib by targeting Beclin-1, UVRAG and ATG5 in melanoma. <i>Cellular Signalling</i> , 2018 , 42, 30-43	4.9	19
46	Central role of autophagic UVRAG in melanogenesis and the suntan response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E7728-E7737	11.5	18
45	miR-9 regulates ferroptosis by targeting glutamic-oxaloacetic transaminase GOT1 in melanoma. <i>Molecular Carcinogenesis</i> , 2018 , 57, 1566-1576	5	62
44	Methane surface diffusion capacity in carbon-based capillary with application to organic-rich shale gas reservoir. <i>Chemical Engineering Journal</i> , 2018 , 352, 644-654	14.7	28
43	Pore space characterization method of shale matrix formation based on superposed digital rock and pore-network model. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , 2018 , 48, 488-498	1.3	5
42	Modern system of multiphase flow in porous media and its development trend. <i>Chinese Science Bulletin</i> , 2018 , 63, 425-451	2.9	14
41	Reconstruction of digital rock considering micro-fracture based on multi-point statistics. <i>Chinese Science Bulletin</i> , 2018 , 63, 3146-3157	2.9	2
40	Fractal models for gas slippage factor in porous media considering second-order slip and surface adsorption. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 118, 948-960	4.9	34
39	Flow Simulation of Artificially Induced Microfractures Using Digital Rock and Lattice Boltzmann Methods. <i>Energies</i> , 2018 , 11, 2145	3.1	25
38	New Understanding of Transient Pressure Response in the Transition Zone of Oil-Water and Gas-Water Systems. <i>Geofluids</i> , 2018 , 2018, 1-15	1.5	3
37	Lattice Boltzmann simulation of liquid flow in nanoporous media. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 125, 1131-1143	4.9	31
36	The microscale analysis of reverse displacement based on digital core. <i>Journal of Natural Gas Science and Engineering</i> , 2017 , 48, 138-144	4.6	13

35	New pore size distribution calculation model based on chord length and digital image. <i>Journal of Natural Gas Science and Engineering</i> , 2017 , 48, 111-118	4.6	11
34	ON THE PORE-SCALE MODELING AND SIMULATION OF REACTIVE TRANSPORT IN 3D GEOMETRIES. <i>Mathematical Modelling and Analysis</i> , 2017 , 22, 671-694	1.3	20
33	Research on Stress Sensitivity of Fractured Carbonate Reservoirs Based on CT Technology. <i>Energies</i> , 2017 , 10, 1833	3.1	26
32	Study on the influence of organic pores on shale gas flow ability. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2017 , 47, 094702	1.5	4
31	Pore-scale remaining oil distribution under different pore volume water injection based on CT technology. <i>Advances in Geo-Energy Research</i> , 2017 , 1, 171-181	6.2	20
30	Autophagy modulator plays a part in UV protection. <i>Autophagy</i> , 2016 , 12, 1677-8	10.2	8
29	Study of Gas Flow Characteristics in Tight Porous Media with a Microscale Lattice Boltzmann Model. <i>Scientific Reports</i> , 2016 , 6, 32393	4.9	51
28	Autophagic UVRAG Promotes UV-Induced Photolesion Repair by Activation of the CRL4(DDB2) E3 Ligase. <i>Molecular Cell</i> , 2016 , 62, 507-19	17.6	23
27	Effect of the Pore Size Distribution on the Displacement Efficiency of Multiphase Flow in Porous Media. <i>Open Physics</i> , 2016 , 14, 610-616	1.3	12
26	Simulation of microscale gas flow in heterogeneous porous media based on the lattice Boltzmann method. <i>Journal of Applied Physics</i> , 2016 , 120, 084306	2.5	33
25	Influence of pore structure parameters on flow characteristics based on a digital rock and the pore network model. <i>Journal of Natural Gas Science and Engineering</i> , 2016 , 31, 156-163	4.6	54
24	Apparent gas permeability in an organic-rich shale reservoir. <i>Fuel</i> , 2016 , 181, 973-984	7.1	155
23	Influence of stress sensitivity on microscopic pore structure and fluid flow in porous media. <i>Journal of Natural Gas Science and Engineering</i> , 2016 , 36, 20-31	4.6	36
22	New pore space characterization method of shale matrix formation by considering organic and inorganic pores. <i>Journal of Natural Gas Science and Engineering</i> , 2015 , 27, 496-503	4.6	181
21	Truncating mutation in the autophagy gene UVRAG confers oncogenic properties and chemosensitivity in colorectal cancers. <i>Nature Communications</i> , 2015 , 6, 7839	17.4	50
20	A NEW VOXEL UPSCALING METHOD BASED ON DIGITAL ROCK. <i>International Journal for Multiscale Computational Engineering</i> , 2015 , 13, 339-346	2.4	12
19	MicroRNAs: an emerging player in autophagy. <i>ScienceOpen Research</i> , 2015 , 2015,		12
18	MULTISCALE PORE STRUCTURE ANALYSIS IN CARBONATE ROCKS. <i>International Journal for Multiscale Computational Engineering</i> , 2015 , 13, 1-9	2.4	9

17	dBrms1 acts as a positive regulator of notch signaling in Drosophila wing. <i>Journal of Genetics and Genomics</i> , 2014 , 41, 317-25	4	5
16	Organic and Inorganic Pore Structure Analysis in Shale Matrix With Superposition Method 2014 ,		7
15	Viruses customize autophagy protein for efficient viral entry. <i>Autophagy</i> , 2014 , 10, 1355-6	10.2	11
14	The intersection of Golgi-ER retrograde and autophagic trafficking. <i>Autophagy</i> , 2014 , 10, 180-1	10.2	9
13	The Effect of the Absorbed Fluid Layer on Flow in a Capillary Tube. <i>Petroleum Science and Technology</i> , 2014 , 32, 194-201	1.4	4
12	Drosophila miR-960 negatively regulates Hedgehog signaling by suppressing Smoothened, Costal-2 and Fused. <i>Cellular Signalling</i> , 2013 , 25, 1301-9	4.9	5
11	Drosophila miR-932 modulates hedgehog signaling by targeting its co-receptor Brother of ihog. <i>Developmental Biology</i> , 2013 , 377, 166-76	3.1	10
10	The construction of carbonate digital rock with hybrid superposition method. <i>Journal of Petroleum Science and Engineering</i> , 2013 , 110, 263-267	4.4	29
9	A Stochastic Upscaling Analysis for Carbonate Media. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2013 , 135,	2.6	4
8	UPSCALING OF CARBONATE ROCKS FROM MICROPOROUS SCALE TO CORE SCALE. <i>International Journal for Multiscale Computational Engineering</i> , 2013 , 11, 497-504	2.4	4
7	The Construction method and microscopic flow simulation of carbonate dual pore network model. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2013 , 43, 896-902	1.5	7
6	The cell-surface proteins Dally-like and Ihog differentially regulate Hedgehog signaling strength and range during development. <i>Development (Cambridge)</i> , 2010 , 137, 2033-44	6.6	80
5	Hedgehog signaling uses lipid metabolism to tune smoothened activation. <i>Developmental Cell</i> , 2010 , 19, 3-4	10.2	2
4	Ce-wts-1 plays important roles in Caenorhabditis elegans development. <i>FEBS Letters</i> , 2009 , 583, 3158-64	3.8	11
3	Both upstream and downstream intergenic regions are critical for the mob as tumor suppressor gene activity in Drosophila. <i>FEBS Letters</i> , 2008 , 582, 1766-70	3.8	
2	The Effect of Surface Roughness on Immiscible Displacement Using Pore Scale Simulation. <i>Transport in Porous Media</i> ,1	3.1	9
1	The Impacts of Pore Structure and Relative Humidity on Gas Transport in Shale: A Numerical Study by the Image-Based Multi-scale Pore Network Model. <i>Transport in Porous Media</i> ,1	3.1	2