

# Yong Sun

## List of Publications by Year in descending order

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54  
papers

2,215  
citations

218677

26  
h-index

223800

46  
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55  
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55  
docs citations

55  
times ranked

1316  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deformation and fracture behavior of strong-weak coupling structure and its application in coal roadway instability prevention. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 203-221.	3.4	10
2	Damage and Failure of Hot Dry Rock under Cyclic Liquid Nitrogen Cold Shock Treatment: A Non-destructive Ultrasonic Test Method. <i>Natural Resources Research</i> , 2022, 31, 261-279.	4.7	18
3	Data for characterization of the pore wetting process of equal-sized granular coals. <i>Data in Brief</i> , 2022, 41, 107887.	1.0	0
4	Advances in Liquid Nitrogen Fracturing for Unconventional Oil and Gas Development: A Review. <i>Energy &amp; Fuels</i> , 2022, 36, 2971-2992.	5.1	36
5	The lncRNA ANRIL regulates endothelial dysfunction by targeting the let-7b/TGF- $\beta$ 1 signalling pathway. <i>Journal of Cellular Physiology</i> , 2021, 236, 2058-2069.	4.1	27
6	Multifractal analysis of coal pore structure based on NMR experiment: A new method for predicting T2 cutoff value. <i>Fuel</i> , 2021, 283, 119338.	6.4	52
7	Methotrexate Therapy Promotes Cell Coverage and Stability in in-Stent Neointima. <i>Cardiovascular Drugs and Therapy</i> , 2021, 35, 915-925.	2.6	3
8	Dynamic Breakage Characteristics of Shale with Different Bedding Angles under the Different Ambient Temperatures. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 3245-3261.	5.4	24
9	Investigation of non-isothermal effect of cyclic carbon dioxide on the petrography of coals for coal mine methane recovery. <i>Fuel</i> , 2021, 290, 120085.	6.4	16
10	Experimental study on pore structure evolution of coal in macroscopic, mesoscopic, and microscopic scales during liquid nitrogen cyclic cold-shock fracturing. <i>Fuel</i> , 2021, 291, 120150.	6.4	47
11	Changes of Coal Molecular and Pore Structure under Ultrasonic Stimulation. <i>Energy &amp; Fuels</i> , 2021, 35, 9847-9859.	5.1	17
12	Multifractal Analysis and Neural Network Prediction of Pore Structures in Coal Reservoirs Based on NMR $T_2$ Spectra. <i>Energy &amp; Fuels</i> , 2021, 35, 11306-11318.	5.1	17
13	Evaluation of Compressibility of Multiscale Pore Fractures in Fractured Low-Rank Coals by Low-Field Nuclear Magnetic Resonance. <i>Energy &amp; Fuels</i> , 2021, 35, 13133-13143.	5.1	10
14	Dynamic mechanical behavior and damage constitutive model of shales with different bedding under compressive impact loading. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	7
15	Brittleness Evolution of Different Rank Coals under the Effects of Cyclic Liquid CO <sub>2</sub> during the Coalbed Methane Recovery Process. <i>Energy &amp; Fuels</i> , 2021, 35, 17651-17662.	5.1	3
16	Experimental Study on the Effect of Coal Particle Size on the Mechanics, Pore Structure, and Permeability of Coal-like Materials for Low-Rank Coalbed Methane Reservoir Simulation. <i>Energy &amp; Fuels</i> , 2021, 35, 17566-17579.	5.1	12
17	MicroRNA-223-3p modulates dendritic cell function and ameliorates experimental autoimmune myocarditis by targeting the NLRP3 inflammasome. <i>Molecular Immunology</i> , 2020, 117, 73-83.	2.2	43
18	A method for accurate characterisation of the pore structure of a coal mass based on two-dimensional nuclear magnetic resonance T1-T2. <i>Fuel</i> , 2020, 262, 116574.	6.4	30

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19	Broadband electromagnetically induced transparency in metamaterials based on hybridization bandgap. <i>AIP Advances</i> , 2020, 10, .	1.3	6
20	Changes in the pore structure of lignite after repeated cycles of liquid nitrogen freezing as determined by nitrogen adsorption and mercury intrusion. <i>Fuel</i> , 2020, 267, 117214.	6.4	107
21	Characterisation and evolution of the full size range of pores and fractures in rocks under freeze-thaw conditions using nuclear magnetic resonance and three-dimensional X-ray microscopy. <i>Engineering Geology</i> , 2020, 271, 105616.	6.3	74
22	Metabolic reprogramming orchestrates CD4+ T-cell immunological status and restores cardiac dysfunction in autoimmune induced-dilated cardiomyopathy mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 135, 134-148.	1.9	17
23	The performance of soundless cracking agents for weakening rock roof under different notch angles. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	12
24	Protosappanin A protects against experimental autoimmune myocarditis, and induces metabolically reprogrammed tolerogenic DCs. <i>Pharmacological Research</i> , 2019, 146, 104269.	7.1	8
25	Meta-interface enhanced light tunneling effect and related electromagnetic diode action. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	1
26	Effect of exercise-based cardiac rehabilitation on anxiety and depression in patients with myocardial infarction: A systematic review and meta-analysis. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2019, 48, 1-7.	1.6	61
27	Fracturing mechanism of coal-like rock specimens under the effect of non-explosive expansion. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 103, 145-154.	5.8	59
28	Infrared thermal image and heat transfer characteristics of coal injected with liquid nitrogen under triaxial loading for coalbed methane recovery. <i>International Journal of Heat and Mass Transfer</i> , 2018, 118, 1231-1242.	4.8	30
29	Fractal dimensions of low rank coal subjected to liquid nitrogen freeze-thaw based on nuclear magnetic resonance applied for coalbed methane recovery. <i>Powder Technology</i> , 2018, 325, 11-20.	4.2	101
30	Evolution Law of Adsorption and Desorption Characteristics of CH <sub>4</sub> in Coal Masses during Coalbed Methane Extraction. <i>Energy &amp; Fuels</i> , 2018, 32, 10540-10548.	5.1	16
31	Coal pore characteristics at different freezing temperatures under conditions of freezing&quot;thawing cycles. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	15
32	Coal Permeability Evolution and Gas Migration Under Non-equilibrium State. <i>Transport in Porous Media</i> , 2017, 118, 393-416.	2.6	63
33	An integrated technology for gas control and green mining in deep mines based on ultra-thin seam mining. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	32
34	Factors controlling the mechanical properties degradation and permeability of coal subjected to liquid nitrogen freeze-thaw. <i>Scientific Reports</i> , 2017, 7, 3675.	3.3	50
35	The attenuation of ultrasonic waves in coal: the significance in increasing their propagation distance. <i>Natural Hazards</i> , 2017, 89, 57-77.	3.4	9
36	Feasibility investigation of cryogenic effect from liquid carbon dioxide multi cycle fracturing technology in coalbed methane recovery. <i>Fuel</i> , 2017, 206, 371-380.	6.4	55

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37	Evaluation research of the fracturing capacity of non-explosive expansion material applied to coal-seam roof rock. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2017, 94, 103-111.	5.8	40
38	Experimental study on coal pore structure deterioration under freeze-thaw cycles. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	46
39	Preparation and Properties of Aluminum Boron Composite. <i>Materials Science Forum</i> , 2016, 849, 775-780.	0.3	1
40	Experimental Study on the Noise Characteristics Regarding Axial Auxiliary Fans and the Noise Reduction Performance of Mufflers. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 4817-4826.	1.1	9
41	Failure Mechanism of Coal after Cryogenic Freezing with Cyclic Liquid Nitrogen and Its Influences on Coalbed Methane Exploitation. <i>Energy &amp; Fuels</i> , 2016, 30, 8567-8578.	5.1	73
42	Changes to coal pores and fracture development by ultrasonic wave excitation using nuclear magnetic resonance. <i>Fuel</i> , 2016, 186, 571-578.	6.4	120
43	Experimental study on removing water blocking effect (WBE) from two aspects of the pore negative pressure and surfactants. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 31, 596-602.	4.4	93
44	Pore Structure in Coal: Pore Evolution after Cryogenic Freezing with Cyclic Liquid Nitrogen Injection and Its Implication on Coalbed Methane Extraction. <i>Energy &amp; Fuels</i> , 2016, 30, 6009-6020.	5.1	173
45	The characteristics and main influencing factors affecting coal and gas outbursts in Chinese Pingdingshan mining region. <i>Natural Hazards</i> , 2016, 82, 507-530.	3.4	90
46	Influence factors analysis of a flexible gel sealing material for coal-bed methane drainage boreholes. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	27
47	Experimental study of pulsating water pressure propagation in CBM reservoirs during pulse hydraulic fracturing. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 25, 15-22.	4.4	71
48	A new technique for preventing and controlling coal and gas outburst hazard with pulse hydraulic fracturing: a case study in Yuwu coal mine, China. <i>Natural Hazards</i> , 2015, 75, 2931-2946.	3.4	86
49	Continuous sol-gel derived SiOC/HfO <sub>2</sub> fibers with high strength. <i>RSC Advances</i> , 2015, 5, 35026-35032.	3.6	17
50	Novel integrated techniques of drilling-slotting-separation-sealing for enhanced coal bed methane recovery in underground coal mines. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 26, 960-973.	4.4	155
51	Opposing Propagation Characteristics of Methane-Air Deflagrations in an End-to-End Pipe. <i>International Journal of Spray and Combustion Dynamics</i> , 2014, 6, 67-86.	1.0	2
52	The effect of pulse frequency on the fracture extension during hydraulic fracturing. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 21, 296-303.	4.4	116
53	Light tunneling effect tuned by a meta-interface with electromagnetically-induced-transparency-like properties. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	7
54	Effects of Proportion of Anhydrous CaCl <sub>2</sub> on the Expansion Properties of Soundless Cracking Agents. <i>Energy &amp; Fuels</i> , 0, .	5.1	1