

Youhong Sun

List of Publications by Year in descending order

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papers

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687363

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41
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citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism Analysis of Multi-Cluster Fracture Interference in Horizontal Wells of Hydrate Reservoirs in the South China Sea. <i>Energy & Fuels</i> , 2022, 36, 3580-3595.	5.1	5
2	Analysis of the hydraulic fracturing mechanism and fracture propagation law with a new extended finite element model for the silty hydrate reservoir in the South China Sea. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 101, 104535.	4.4	16
3	Enhancement of Oxidation Resistance via Chromium Boron Carbide on Diamond Particles. <i>Coatings</i> , 2021, 11, 162.	2.6	6
4	2D Numerical Simulation of Hydraulic Fracturing in Hydrate-Bearing Sediments Based on the Cohesive Element. <i>Energy & Fuels</i> , 2021, 35, 3825-3840.	5.1	30
5	Palaeoenvironmental evolution of formation of Bayanjargalan oil shale: evidence from trace elements and biomarkers. <i>Scientific Reports</i> , 2021, 11, 4561.	3.3	0
6	Productivity Analysis of Fuyu Oil Shale In-Situ Pyrolysis by Injecting Hot Nitrogen. <i>Energies</i> , 2021, 14, 5114.	3.1	3
7	Geochemical Characteristics of the Lower Cretaceous HengTongshan Formation in the Tonghua Basin, Northeast China: Implications for Depositional Environment and Shale Oil Potential Evaluation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 23.	2.5	8
8	Characteristics and Kinetics of Huadian Oil Shale Pyrolysis via Non-isothermal Thermogravimetric and Gray Relational Analysis. <i>Combustion Science and Technology</i> , 2020, 192, 471-485.	2.3	15
9	Numerical study of depressurization and hot water injection for gas hydrate production in China's first offshore test site. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 83, 103530.	4.4	50
10	Experimental Study of Artificial Ground Freezing by Natural Cold Gas Injection. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6055.	2.5	1
11	Thermal Degradations and Processes of Four Kerogens via Thermogravimetricâ€“Fourier-Transform Infrared: Pyrolysis Performances, Products, and Kinetics. <i>Energy & Fuels</i> , 2020, 34, 2969-2979.	5.1	13
12	Non-isothermal thermogravimetric analysis of pyrolysis kinetics of four oil shales using Sestakâ€“Berggren method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2287-2296.	3.6	15
13	Analytical Approximate Solution for Nonlinear Behavior of Cantilever FGM MEMS Beam with Thermal and Size Dependency. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-10.	1.1	3
14	A Bionic Study on the Anti-erosion Mechanism of <i>Laudakia stoliczka</i> : Experimental and Numerical Aspects. <i>Journal of Bionic Engineering</i> , 2019, 16, 882-893.	5.0	8
15	Numerical simulation of the short- and long-term production behavior of the first offshore gas hydrate production test in the South China Sea. <i>Journal of Petroleum Science and Engineering</i> , 2019, 181, 106196.	4.2	76
16	Organic Geochemical Characteristics of the Upper Cretaceous Qingshankou Formation Oil Shales in the Fuyu Oilfield, Songliao Basin, China: Implications for Oil-Generation Potential and Depositional Environment. <i>Energies</i> , 2019, 12, 4778.	3.1	11
17	An Efficient Reanalysis Method for Topological Optimization of Vibrating Continuum Structures for Simple and Multiple Eigenfrequencies. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-10.	1.1	0
18	Pore Evolution of Oil Shale during Sub-Critical Water Extraction. <i>Energies</i> , 2018, 11, 842.	3.1	6

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19	Enhanced bending strength and thermal conductivity in diamond/Al composites with B4C coating. Scientific Reports, 2018, 8, 11104.	3.3	18
20	Closed form solutions for nonlinear static response of curled cantilever micro-/nanobeams including both the fringing field and van der Waals force effect. Microsystem Technologies, 2017, 23, 163-174.	2.0	8
21	Mass transfer and equilibrium characteristics of defluorination from groundwater by emulsion liquid membrane. Journal of Chemical Technology and Biotechnology, 2017, 92, 76-82.	3.2	11
22	Research on Underground Dynamic Fluid Pressure Balance in the Process of Oil Shale In-Situ Fracturing-Nitrogen Injection Exploitation. Journal of Energy Resources Technology, Transactions of the ASME, 2017, 139, .	2.3	16
23	The approximate reanalysis method for topology optimization under harmonic force excitations with multiple frequencies. Structural and Multidisciplinary Optimization, 2017, 56, 1185-1196.	3.5	11
24	Predicting dynamic response of large amplitude free vibrations of cantilever tapered beams on a nonlinear elastic foundation. Archive of Applied Mechanics, 2017, 87, 751-765.	2.2	5
25	Enhanced tensile strength and thermal conductivity in copper diamond composites with B4C coating. Scientific Reports, 2017, 7, 10727.	3.3	38
26	Effect of a Minor Sr Modifier on the Microstructures and Mechanical Properties of 7075 T6 Al Alloys. Metals, 2017, 7, 13.	2.3	11
27	Effects of Complex Modification by Sr and Sb on the Microstructures and Mechanical Properties of Al-18 wt % Mg-2Si-4.5Cu Alloys. Materials, 2016, 9, 157.	2.9	11
28	The Effect of ZrO ₂ Nanoparticles on the Microstructure and Properties of Sintered WC-Bronze-Based Diamond Composites. Materials, 2016, 9, 343.	2.9	24
29	Fabrication of Fe-Based Diamond Composites by Pressureless Infiltration. Materials, 2016, 9, 1006.	2.9	27
30	Analytical Approximate Prediction of Thermal Post-Buckling Behavior of the Spring-Hinged Beam. International Journal of Applied Mechanics, 2016, 08, 1650028.	2.2	2
31	Effects of bionic units in different scales on the wear behavior of bionic impregnated diamond bits. Journal of Bionic Engineering, 2016, 13, 659-668.	5.0	26
32	Liquid spreading on a pre-wetted biomimetic surface inspired by a dog's tongue. Science China Technological Sciences, 2016, 59, 738-748.	4.0	2
33	Analysis of thermal deformation and influencing factors in shrink-fitting assembly of aluminum alloy drill pipe. Advances in Mechanical Engineering, 2016, 8, 168781401667409.	1.6	6
34	Enhancement of oxidation resistance via a self-healing boron carbide coating on diamond particles. Scientific Reports, 2016, 6, 20198.	3.3	22
35	Nonlinear Approximate Analysis of Electrically Actuated Functionally Graded Material Micro-Beam with Influence of Thermal Stress and the Intermolecular Force. Journal of Computational and Theoretical Nanoscience, 2016, 13, 492-499.	0.4	4
36	Studies on the co-pyrolysis characteristics of oil shale and spent oil shale. Journal of Thermal Analysis and Calorimetry, 2016, 123, 1707-1714.	3.6	10

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37	Combined effect of pressure and geometric imperfection on buckling of stressed thin films on substrates. <i>Acta Mechanica</i> , 2015, 226, 1647-1655.	2.1	3
38	Mechanism and stability evaluation of goaf ground subsidence in the third mining area in Gong Changling District, China. <i>Arabian Journal of Geosciences</i> , 2015, 8, 639-646.	1.3	21
39	Bionic coupling polycrystalline diamond composite bit. <i>Petroleum Exploration and Development</i> , 2014, 41, 533-537.	7.0	13
40	Design of 16m ² sundial solar tracking machine. , 2011, , .		0
41	Analysis of formation conditions of debris flows in the Himalaya Region. , 2011, , .		0