

Youhong Sun

List of Publications by Year in descending order

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41
papers

555
citations

687363

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41
docs citations

41
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Enhanced tensile strength and thermal conductivity in copper diamond composites with B4C coating. <i>Scientific Reports</i> , 2017, 7, 10727.	3.3	38
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	Fabrication of Fe-Based Diamond Composites by Pressureless Infiltration. <i>Materials</i> , 2016, 9, 1006.	2.9	27
6	Effects of bionic units in different scales on the wear behavior of bionic impregnated diamond bits. <i>Journal of Bionic Engineering</i> , 2016, 13, 659-668.	5.0	26
7	The Effect of ZrO ₂ Nanoparticles on the Microstructure and Properties of Sintered WC-Bronze-Based Diamond Composites. <i>Materials</i> , 2016, 9, 343.	2.9	24
8	Enhancement of oxidation resistance via a self-healing boron carbide coating on diamond particles. <i>Scientific Reports</i> , 2016, 6, 20198.	3.3	22
9	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
10	Enhanced bending strength and thermal conductivity in diamond/Al composites with B4C coating. <i>Scientific Reports</i> , 2018, 8, 11104.	3.3	18
11	Research on Underground Dynamic Fluid Pressure Balance in the Process of Oil Shale In-Situ Fracturing-Nitrogen Injection Exploitation. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2017, 139, .	2.3	16
12	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
13	Non-isothermal thermogravimetric analysis of pyrolysis kinetics of four oil shales using Sestak-Berggren method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2287-2296.	3.6	15
14	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
15	Bionic coupling polycrystalline diamond composite bit. <i>Petroleum Exploration and Development</i> , 2014, 41, 533-537.	7.0	13
16	Thermal Degradations and Processes of Four Kerogens via Thermogravimetric-Fourier-Transform Infrared: Pyrolysis Performances, Products, and Kinetics. <i>Energy & Fuels</i> , 2020, 34, 2969-2979.	5.1	13
17	Effects of Complex Modification by Sr-Sb on the Microstructures and Mechanical Properties of Al-18 wt % Mg ₂ Si-4.5Cu Alloys. <i>Materials</i> , 2016, 9, 157.	2.9	11
18	Mass transfer and equilibrium characteristics of defluorination from groundwater by emulsion liquid membrane. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 76-82.	3.2	11

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19	The approximate reanalysis method for topology optimization under harmonic force excitations with multiple frequencies. <i>Structural and Multidisciplinary Optimization</i> , 2017, 56, 1185-1196.	3.5	11
20	Effect of a Minor Sr Modifier on the Microstructures and Mechanical Properties of 7075 T6 Al Alloys. <i>Metals</i> , 2017, 7, 13.	2.3	11
21	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
22	Studies on the co-pyrolysis characteristics of oil shale and spent oil shale. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 1707-1714.	3.6	10
23	Closed form solutions for nonlinear static response of curled cantilever micro-/nanobeams including both the fringing field and van der Waals force effect. <i>Microsystem Technologies</i> , 2017, 23, 163-174.	2.0	8
24	A Bionic Study on the Anti-erosion Mechanism of <i>Laudakia stoliczkana</i> : Experimental and Numerical Aspects. <i>Journal of Bionic Engineering</i> , 2019, 16, 882-893.	5.0	8
25	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
26	Analysis of thermal deformation and influencing factors in shrink-fitting assembly of aluminum alloy drill pipe. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401667409.	1.6	6
27	Pore Evolution of Oil Shale during Sub-Critical Water Extraction. <i>Energies</i> , 2018, 11, 842.	3.1	6
28	Enhancement of Oxidation Resistance via Chromium Boron Carbide on Diamond Particles. <i>Coatings</i> , 2021, 11, 162.	2.6	6
29	Predicting dynamic response of large amplitude free vibrations of cantilever tapered beams on a nonlinear elastic foundation. <i>Archive of Applied Mechanics</i> , 2017, 87, 751-765.	2.2	5
30	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
31	Nonlinear Approximate Analysis of Electrically Actuated Functionally Graded Material Micro-Beam with Influence of Thermal Stress and the Intermolecular Force. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 492-499.	0.4	4
32	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
33	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
34	Productivity Analysis of Fuyu Oil Shale In-Situ Pyrolysis by Injecting Hot Nitrogen. <i>Energies</i> , 2021, 14, 5114.	3.1	3
35	Analytical Approximate Prediction of Thermal Post-Buckling Behavior of the Spring-Hinged Beam. <i>International Journal of Applied Mechanics</i> , 2016, 08, 1650028.	2.2	2
36	Liquid spreading on a pre-wetted biomimetic surface inspired by a dog's tongue. <i>Science China Technological Sciences</i> , 2016, 59, 738-748.	4.0	2

#	ARTICLE	IF	CITATIONS
37	Experimental Study of Artificial Ground Freezing by Natural Cold Gas Injection. Applied Sciences (Switzerland), 2020, 10, 6055.	2.5	1
38	Design of 16m ² sundial solar tracking machine. , 2011, , .		0
39	Analysis of formation conditions of debris flows in the Himalaya Region. , 2011, , .		0
40	An Efficient Reanalysis Method for Topological Optimization of Vibrating Continuum Structures for Simple and Multiple Eigenfrequencies. Mathematical Problems in Engineering, 2018, 2018, 1-10.	1.1	0
41	Palaeoenvironmental evolution of formation of Bayanjargalan oil shale: evidence from trace elements and biomarkers. Scientific Reports, 2021, 11, 4561.	3.3	0