

Yueting Sun

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

441
citations

759055

12
h-index

752573

20
g-index

23
all docs

23
docs citations

23
times ranked

402
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy absorption mechanism of polyvinyl butyral laminated windshield subjected to head impact: Experiment and numerical simulations. <i>International Journal of Impact Engineering</i> , 2016, 90, 26-36.	2.4	52
2	High-rate nanofluidic energy absorption in porous zeolitic frameworks. <i>Nature Materials</i> , 2021, 20, 1015-1023.	13.3	52
3	Experimental and macroscopic investigation of dynamic crack patterns in PVB laminated glass sheets subject to light-weight impact. <i>Engineering Failure Analysis</i> , 2011, 18, 1605-1612.	1.8	43
4	A candidate of mechanical energy mitigation system: Dynamic and quasi-static behaviors and mechanisms of zeolite [2]/water system. <i>Materials & Design</i> , 2015, 66, 545-551.	5.1	38
5	Systematic experimental study on mechanical behavior of PVB (polyvinyl butyral) material under various loading conditions. <i>Polymer Engineering and Science</i> , 2012, 52, 1137-1147.	1.5	34
6	Dielectric Properties of Zeolitic Imidazolate Frameworks in the Broad-Band Infrared Regime. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2678-2684.	2.1	31
7	An analytical model for deformation and damage of rectangular laminated glass under low-velocity impact. <i>Composite Structures</i> , 2017, 176, 833-843.	3.1	26
8	Framework flexibility of ZIF-8 under liquid intrusion: discovering time-dependent mechanical response and structural relaxation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 10108-10113.	1.3	24
9	Experimental Study on Energy Dissipation Characteristics of ZSM-5 Zeolite/Water System. <i>Advanced Engineering Materials</i> , 2013, 15, 740-746.	1.6	22
10	Time-dependent Gas-liquid Interaction in Molecular-sized Nanopores. <i>Scientific Reports</i> , 2015, 4, 6547.	1.6	19
11	Liquid Intrusion into Zeolitic Imidazolate Framework-7 Nanocrystals: Exposing the Roles of Phase Transition and Gate Opening to Enable Energy Absorption Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41831-41838.	4.0	16
12	Iron (II) impregnated double-shelled hollow mesoporous silica as acid-base bifunctional catalyst for the conversion of low-quality oil to methyl esters. <i>Renewable Energy</i> , 2021, 169, 1166-1174.	4.3	13
13	Molecular dynamics simulation of impact response of buckyballs. <i>Mechanics Research Communications</i> , 2013, 49, 8-12.	1.0	12
14	A defiltration control method of pressurized liquid in zeolite ZSM-5 by silanol introduction. <i>Applied Physics Letters</i> , 2014, 105, 121609.	1.5	12
15	Crushing of circular steel tubes filled with nanoporous-materials-functionalized liquid. <i>International Journal of Damage Mechanics</i> , 2018, 27, 439-450.	2.4	12
16	Mechanism of Water Infiltration and Defiltration through ZSM-5 Zeolite: Heating and Sodium Chloride Concentration Effect. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-7.	1.5	10
17	Elastomeric Cellular Structure Enhanced by Compressible Liquid Filler. <i>Scientific Reports</i> , 2016, 6, 26694.	1.6	7
18	Rate effect of liquid infiltration into mesoporous materials. <i>RSC Advances</i> , 2017, 7, 971-974.	1.7	6

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19	Mechanical Energy Absorption Characteristics of Hollow and Water-Filled Carbon Nanotubes upon Low-Speed Crushing. <i>Journal of Nanomechanics & Micromechanics</i> , 2012, 2, 65-70.	1.4	5
20	Experimental Study of Dynamic Fracture Behavior of PVB Laminated Glass by High-Speed Photography. <i>Applied Mechanics and Materials</i> , 0, 34-35, 636-640.	0.2	4
21	A New Vehicle Speed Estimation Method Based on the Longest Radial Crack on Windshield. <i>Applied Mechanics and Materials</i> , 0, 34-35, 512-516.	0.2	1
22	Head Protection Characteristics of Windshield During Pedestrian-Vehicle Accident. , 2011, , .		1
23	Intrusion of polyethylene glycol into solid-state nanopores. <i>RSC Advances</i> , 2018, 8, 9070-9073.	1.7	1