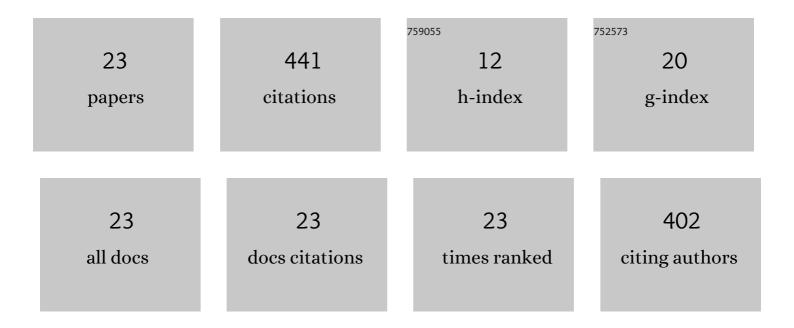
## **Yueting Sun**

List of Publications by Year in descending order

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YUETING SUN

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

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#	Article	IF	CITATIONS
19	Mechanical Energy Absorption Characteristics of Hollow and Water-Filled Carbon Nanotubes upon Low-Speed Crushing. Journal of Nanomechanics & Micromechanics, 2012, 2, 65-70.	1.4	5
20	Experimental Study of Dynamic Fracture Behavior of PVB Laminated Glass by High-Speed Photography. Applied Mechanics and Materials, 0, 34-35, 636-640.	0.2	4
21	A New Vehicle Speed Estimation Method Based on the Longest Radial Crack on Windshield. Applied Mechanics and Materials, 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. RSC Advances, 2018, 8, 9070-9073.	1.7	1