

# Wen Zhang

## List of Publications by Year in descending order

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13  
papers

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#	ARTICLE	IF	CITATIONS
1	Ultra-light kirigami lantern chain for superior impact mitigation. <i>Extreme Mechanics Letters</i> , 2022, 51, 101602.	4.1	3
2	Uncover the underlying mechanisms of topology and structural hierarchy in energy absorption performances of bamboo-inspired tubular honeycomb. <i>Extreme Mechanics Letters</i> , 2022, 52, 101640.	4.1	25
3	Mechanics-Driven Anode Material Failure in Battery Safety and Capacity Deterioration Issues: A Review. <i>Applied Mechanics Reviews</i> , 2022, 74, .	10.1	16
4	Dynamic behaviors of bio-inspired structures: Design, mechanisms, and models. <i>Engineering Structures</i> , 2022, 265, 114490.	5.3	65
5	Tunable traveling wave properties in one-dimensional chains composed from hollow cylinders: From compression to rarefaction waves. <i>International Journal of Mechanical Sciences</i> , 2021, 191, 106073.	6.7	10
6	Toward understanding solitary wave propagation in composite-cylinders-based 1D granular crystals. <i>Extreme Mechanics Letters</i> , 2021, 43, 101156.	4.1	9
7	Toughening mechanism of coelacanth-fish-inspired double-helicoidal composites. <i>Composites Science and Technology</i> , 2021, 205, 108650.	7.8	39
8	Energy Absorption Performance of Bio-inspired Honeycombs: Numerical and Theoretical Analysis. <i>Acta Mechanica Sinica</i> , 2021, 34, 884-894.	1.9	9
9	Universal design law of equivalent systems for Nesterenko solitary waves transmission. <i>Granular Matter</i> , 2020, 22, 1.	2.2	7
10	Quantitatively solitary wave tuning strategies based on one-dimensional cylindrical granular chains. <i>Extreme Mechanics Letters</i> , 2020, 40, 100972.	4.1	8
11	Crushing resistance and energy absorption of pomelo peel inspired hierarchical honeycomb. <i>International Journal of Impact Engineering</i> , 2019, 125, 163-172.	5.0	154
12	How to quantitatively evaluate safety of driver behavior upon accident? A biomechanical methodology. <i>PLoS ONE</i> , 2017, 12, e0189455.	2.5	8
13	Strain Rate and Anisotropic Microstructure Dependent Mechanical Behaviors of Silkworm Cocoon Shells. <i>PLoS ONE</i> , 2016, 11, e0149931.	2.5	7