

Yizhou Nie

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Transverse Loading on Single High-Performance Fibers by Round-Head Indenters and the Fibers' Failure Visualization. <i>Fibers</i> , 2022, 10, 48.	4.0	1
2	Transverse impact by RCCs on S-glass and Kevlar® FRC strips. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 146, 106425.	7.6	5
3	In Situ Observation of Adiabatic Shear Band Formation in Aluminum Alloys. <i>Experimental Mechanics</i> , 2020, 60, 153-163.	2.0	19
4	In-situ observation of cutting-induced failure processes of single high-performance fibers inside a SEM. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 131, 105767.	7.6	17
5	Failure behaviors of single high-performance fibers under transverse dynamic cut. <i>International Journal of Impact Engineering</i> , 2020, 144, 103660.	5.0	10
6	The effect of loading direction on the fracture behaviors of cortical bone at a dynamic loading rate. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 142, 104015.	4.8	8
7	Real-time visualization of dynamic fractures in porcine bones and the loading-rate effect on their fracture toughness. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 131, 358-371.	4.8	21
8	In-Situ Visualization of Tensile Failure in Additively Manufactured 316L Stainless Steel. <i>Experimental Mechanics</i> , 2019, 59, 805-818.	2.0	3
9	Investigation of dynamic fracture behavior of additively manufactured Al-10Si-Mg using high-speed synchrotron X-ray imaging. <i>Additive Manufacturing</i> , 2019, 30, 100878.	3.0	12
10	The Effect of Projectile Nose Shape on the Critical Velocity of High-Performance Yarn. <i>Fibers</i> , 2019, 7, 29.	4.0	8
11	A Microscopic Experimental Method Transversely Loading on Single High-Performance Fibers. <i>Experimental Mechanics</i> , 2019, 59, 669-679.	2.0	5
12	High-speed X-ray visualization of dynamic crack initiation and propagation in bone. <i>Acta Biomaterialia</i> , 2019, 90, 278-286.	8.3	11
13	Cyclic tensile response of a pre-tensioned polyurethane. <i>Mechanics of Time-Dependent Materials</i> , 2018, 22, 207-219.	4.4	3
14	Critical Velocity of High-Performance Yarn Transversely Impacted by Razor Blade. <i>Fibers</i> , 2018, 6, 95.	4.0	5
15	Dynamic crack propagation from a circular defect in a unidirectional carbon fiber reinforced plastic composite. <i>Journal of Composite Materials</i> , 2018, 52, 3539-3547.	2.4	4
16	Dynamic Transverse Debonding of a Single Fiber. <i>Journal of Dynamic Behavior of Materials</i> , 2016, 2, 521-531.	1.7	7