

Mingyang Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	3D printed Mg-NiTi interpenetrating-phase composites with high strength, damping capacity, and energy absorption efficiency. <i>Science Advances</i> , 2020, 6, eaba5581.	10.3	87
2	On the damage tolerance of 3-D printed Mg-Ti interpenetrating-phase composites with bioinspired architectures. <i>Nature Communications</i> , 2022, 13, .	12.8	58
3	Adaptive structural reorientation: Developing extraordinary mechanical properties by constrained flexibility in natural materials. <i>Acta Biomaterialia</i> , 2019, 86, 96-108.	8.3	31
4	Strong, Fracture-Resistant Biomimetic Silicon Carbide Composites with Laminated Interwoven Nanoarchitectures Inspired by the Crustacean Exoskeleton. <i>ACS Applied Nano Materials</i> , 2019, 2, 1111-1119.	5.0	22
5	Compressive properties of 3-D printed Mg-NiTi interpenetrating-phase composite: Effects of strain rate and temperature. <i>Composites Part B: Engineering</i> , 2021, 215, 108783.	12.0	16
6	Compression fatigue properties and damage mechanisms of a bioinspired nacre-like ceramic-polymer composite. <i>Scripta Materialia</i> , 2021, 203, 114089.	5.2	16
7	Bioinspired tungsten-copper composites with Bouligand-type architectures mimicking fish scales. <i>Journal of Materials Science and Technology</i> , 2022, 96, 21-30.	10.7	16
8	Continuous ice-templating of macro-porous materials with uniformly ordered architecture. <i>Science China Materials</i> , 2022, 65, 3134-3143.	6.3	12
9	Multiscale designs of the chitinous nanocomposite of beetle horn towards an enhanced biomechanical functionality. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 91, 278-286.	3.1	6
10	Bioinspired fish-scale-like magnesium composites strengthened by contextures of continuous titanium fibers: Lessons from nature. <i>Journal of Magnesium and Alloys</i> , 2023, 11, 869-881.	11.9	6
11	High-strength and multi-functional gypsum with unidirectionally porous architecture mimicking wood. <i>Chemical Engineering Journal Advances</i> , 2021, 7, 100114.	5.2	4