# Mingyang Zhang

List of Publications by Year
in descending order



| 11 | 274 | 1163117 8 | 1281871 11 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 11 | 11 | 11 | 148 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

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