

Ting Yang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

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citations

1040056

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15
docs citations

15
times ranked

344
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical design of the highly porous cuttlebone: A bioceramic hard buoyancy tank for cuttlefish. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23450-23459.	7.1	65
2	A damage-tolerant, dual-scale, single-crystalline microlattice in the knobby starfish, <i>Protoreaster nodosus</i> . Science, 2022, 375, 647-652.	12.6	63
3	Bioinspired design of flexible armor based on chiton scales. Nature Communications, 2019, 10, 5413.	12.8	56
4	Mechanical properties of stingray tesserae: High-resolution correlative analysis of mineral density and indentation moduli in tessellated cartilage. Acta Biomaterialia, 2019, 96, 421-435.	8.3	24
5	Fabrication of Photonic Microbricks via Crack Engineering of Colloidal Crystals. Advanced Functional Materials, 2020, 30, 1908242.	14.9	23
6	Quantitative 3D structural analysis of the cellular microstructure of sea urchin spines (I): Methodology. Acta Biomaterialia, 2020, 107, 204-217.	8.3	23
7	Microstructural design for mechanical-optical multifunctionality in the exoskeleton of the flower beetle <i>Torynorhina flammea</i> . Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	23
8	Strategies for simultaneous strengthening and toughening via nanoscopic intracrystalline defects in a biogenic ceramic. Nature Communications, 2020, 11, 5678.	12.8	20
9	Shape-Preserving Chemical Conversion of Architected Nanocomposites. Advanced Materials, 2020, 32, e2003999.	21.0	20
10	Quantitative 3D structural analysis of the cellular microstructure of sea urchin spines (II): Large-volume structural analysis. Acta Biomaterialia, 2020, 107, 218-231.	8.3	10
11	Automatic Crack Detection and Analysis for Biological Cellular Materials in X-Ray In Situ Tomography Measurements. Integrating Materials and Manufacturing Innovation, 2019, 8, 559-569.	2.6	7
12	Bio-Inspired Ceramic-Metal Composites Using Ceramic 3D Printing and Centrifugal Infiltration. Advanced Engineering Materials, 2022, 24, 2101009.	3.5	7
13	Thermomechanical Analysis of a Bio-Inspired Lightweight Multifunctional Structure. Advanced Engineering Materials, 2020, 22, 2000371.	3.5	5
14	Photonic Microbricks: Fabrication of Photonic Microbricks via Crack Engineering of Colloidal Crystals (Adv. Funct. Mater. 26/2020). Advanced Functional Materials, 2020, 30, 2070172.	14.9	1
15	Thermomechanical Analysis of a Bio-Inspired Lightweight Multifunctional Structure. Advanced Engineering Materials, 2020, 22, 2070050.	3.5	0