

# Ting Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3561995/publications.pdf>

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15  
papers

347  
citations

1040056

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1125743

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docs citations

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times ranked

344  
citing authors

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