

# Zhong Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8028068/publications.pdf>

Version: 2024-02-01

10  
papers

217  
citations

1163117

8  
h-index

1372567

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10  
docs citations

10  
times ranked

314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Mechanism of Polarization and Piezoelectric Effect in Super-Twisted Collagen. ACS Biomaterials Science and Engineering, 2016, 2, 929-936.	5.2	53
2	Multi-physics simulation of metal printing at micro/nanoscale using meniscus-confined electrodeposition: Effect of nozzle speed and diameter. Journal of Applied Physics, 2017, 121, .	2.5	41
3	Multi-physics simulation of metal printing at micro/nanoscale using meniscus-confined electrodeposition: Effect of environmental humidity. Journal of Applied Physics, 2017, 121, .	2.5	39
4	Experimental and Finite Element Simulation Study of Thermal Relaxation of Residual Stresses in Laser Shock Peened IN718 SPF Superalloy. Experimental Mechanics, 2014, 54, 1597-1611.	2.0	25
5	A simulation study on the significant nanomechanical heterogeneous properties of collagen. Biomechanics and Modeling in Mechanobiology, 2015, 14, 445-457.	2.8	13
6	Ductile fracture in thin sheet metals: a FEM study of the Sandia fracture challenge problem based on the Gurson-Tvergaard-Needleman fracture model. International Journal of Fracture, 2014, 186, 185-200.	2.2	11
7	Clustering of hydroxyapatite on a super-twisted collagen microfibril under mechanical tension. Journal of Materials Chemistry B, 2017, 5, 2235-2244.	5.8	11
8	Bioinspired Multifunctional Ceramic Platelet-Reinforced Piezoelectric Polymer Composite. Advanced Engineering Materials, 2017, 19, 1600570.	3.5	11
9	Lamellar Ceramic Semicrystalline-Polymer Composite Fabricated by Freeze Casting. Advanced Engineering Materials, 2017, 19, 1700214.	3.5	8
10	Coarse-grained modeling and simulation of graphene sheets based on a discrete hyperelastic approach. International Journal for Numerical Methods in Engineering, 2015, 102, 450-467.	2.8	5