

# Helena Jin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4249402/publications.pdf>

Version: 2024-02-01

10  
papers

350  
citations

1307366

7  
h-index

1372474

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

405  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale structural and mechanical characterization of the cell wall of bamboo fibers. <i>Materials Science and Engineering C</i> , 2009, 29, 1375-1379.	3.8	144
2	Full-field characterization of mechanical behavior of polyurethane foams. <i>International Journal of Solids and Structures</i> , 2007, 44, 6930-6944.	1.3	72
3	A new method for characterizing nonlinearity in scanning probe microscopes using digital image correlation. <i>Nanotechnology</i> , 2005, 16, 1849-1855.	1.3	34
4	Collaborative ductile rupture mechanisms of high-purity copper identified by in situ X-ray computed tomography. <i>Acta Materialia</i> , 2019, 181, 377-384.	3.8	32
5	Damage mechanisms in elastomeric foam composites: Multiscale X-ray computed tomography and finite element analyses. <i>Composites Science and Technology</i> , 2019, 169, 195-202.	3.8	26
6	Reversible nanoscale deformation in compositionally graded shape memory alloy films. <i>Applied Physics Letters</i> , 2009, 94, 193114.	1.5	20
7	Solid Cylinder Torsion for Large Shear Deformation and Failure of Engineering Materials. <i>Experimental Mechanics</i> , 2021, 61, 307-320.	1.1	8
8	Influence of Scanning Rotation on Nanoscale Artificial Strain in Open-Loop Atomic Force Microscopy. <i>Experimental Mechanics</i> , 2011, 51, 619-624.	1.1	7
9	Comparing field data using Alpert multi-wavelets. <i>Computational Mechanics</i> , 2020, 66, 893-910.	2.2	4
10	Characterization of 304L laser welds using digital image correlation and x-ray computed tomography. <i>Measurement Science and Technology</i> , 2021, 32, 104010.	1.4	3