

# Fei Jia

## List of Publications by Year in descending order

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26  
papers

789  
citations

567281

15  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

902  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Wrinkling Patterns on a Core-Shell Soft Sphere. <i>Physical Review Letters</i> , 2011, 106, 234301.	7.8	207
2	Anisotropic growth shapes intestinal tissues during embryogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10525-10530.	7.1	130
3	A <sub>2</sub> SnS <sub>5</sub> : A Structural Incommensurate Modulation Exhibiting Strong Secondâ€Harmonic Generation and a High Laserâ€Induced Damage Threshold (A=Ba, Sr). <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11861-11865.	13.8	67
4	Buckling and post-buckling of a stiff film resting on an elastic graded substrate. <i>International Journal of Solids and Structures</i> , 2012, 49, 1656-1664.	2.7	54
5	Superhydrophobic property of epoxy resin coating modified with octadecylamine and SiO <sub>2</sub> nanoparticles. <i>Materials Letters</i> , 2019, 247, 204-207.	2.6	38
6	Curvature delays growth-induced wrinkling. <i>Physical Review E</i> , 2018, 98, .	2.1	35
7	Wrinkling of a bilayer resting on a soft substrate under in-plane compression. <i>Philosophical Magazine</i> , 2012, 92, 1554-1568.	1.6	34
8	Equivalent circuit model for the strain sensing characteristics of multi-walled carbon nanotube/polyvinylidene fluoride films in alternating current circuit. <i>Carbon</i> , 2018, 129, 585-591.	10.3	29
9	Quantitative investigation on single-asperity friction and wear of phosphate laser glass against a spherical AFM diamond tip. <i>Tribology International</i> , 2015, 81, 43-52.	5.9	26
10	Wrinkling pattern evolution of cylindrical biological tissues with differential growth. <i>Physical Review E</i> , 2015, 91, 012403.	2.1	21
11	Wrinkling and creasing of a compressed elastoplastic film resting on a soft substrate. <i>Computational Materials Science</i> , 2012, 57, 111-117.	3.0	18
12	Tailoring chain length and cross-link density in dielectric elastomer toward enhanced actuation strain. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	18
13	BUCKLING AND SURFACE WRINKLING OF AN ELASTIC GRADED CYLINDER WITH ELASTIC MODULUS ARBITRARILY VARYING ALONG RADIAL DIRECTION. <i>International Journal of Applied Mechanics</i> , 2014, 06, 1450003.	2.2	17
14	A <sub>2</sub> SnS <sub>5</sub> : A Structural Incommensurate Modulation Exhibiting Strong Secondâ€Harmonic Generation and a High Laserâ€Induced Damage Threshold (A=Ba, Sr). <i>Angewandte Chemie</i> , 2020, 132, 11959-11963.	2.0	17
15	Theoretical analysis of growth or swelling wrinkles on constrained soft slabs. <i>Soft Matter</i> , 2013, 9, 8216.	2.7	15
16	Morphoelasticity in the development of brown alga <i>Ectocarpus siliculosus</i> : from cell rounding to branching. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20160596.	3.4	11
17	Surface effects on frequency dispersion characteristics of Lamb waves in a nanoplate. <i>Thin Solid Films</i> , 2020, 697, 137831.	1.8	11
18	Facile fabrication of hydrophobic octadecylamine-functionalized polyurethane foam for oil spill cleanup. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 196-200.	2.2	9

#	ARTICLE	IF	CITATIONS
19	An unusual 32-membered copper( <i>scp</i> ) metallomacrocube based on a Cu <sub>4</sub> O <sub>3</sub> X cubic core: photocatalytic, electrocatalytic, and magnetic properties. <i>Chemical Communications</i> , 2016, 52, 4294-4297.	4.1	9
20	Shear horizontal wave dispersion in nanolayers with surface effects and determination of surface elastic constants. <i>Thin Solid Films</i> , 2018, 645, 134-138.	1.8	9
21	Molecular dynamics simulations of thermal expansion properties of single layer graphene sheets. <i>Molecular Simulation</i> , 2018, 44, 34-39.	2.0	6
22	Nest-site selection of the White Eared pheasant in southwestern Sichuan Province, China. <i>Frontiers of Biology in China: Selected Publications From Chinese Universities</i> , 2006, 1, 66-70.	0.2	2
23	On the figure of elastic planets I: gravitational collapse and infinitely many equilibria. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019, 475, 20180815.	2.1	2
24	Preparation and parametric analysis of film/substrate band-gap systems based on elastic instability. <i>European Physical Journal Plus</i> , 2022, 137, .	2.6	2
25	Imaging Conditions Optimization of Human Bronchial Epithelial Cell Based on Atomic Force Microscope. <i>Current Nanoscience</i> , 2015, 12, 118-124.	1.2	1
26	Surface instability and wrinkling pattern evolution on a fluid-supported inhomogeneous film. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	1