

Yigil Cho

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,322
citations

759233

12
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1973
citing authors

#	ARTICLE	IF	CITATIONS
1	Topography-guided buckling of swollen polymer bilayer films into three-dimensional structures. <i>Soft Matter</i> , 2017, 13, 956-962.	2.7	14
2	Static and dynamic elastic properties of fractal-cut materials. <i>Extreme Mechanics Letters</i> , 2016, 6, 103-114.	4.1	34
3	Orthogonal Control of Stability and Tunable Dry Adhesion by Tailoring the Shape of Tapered Nanopillar Arrays. <i>Advanced Materials</i> , 2015, 27, 7788-7793.	21.0	35
4	Algorithmic lattice kirigami: A route to pluripotent materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7449-7453.	7.1	119
5	Ultrafast chemical lithiation of single crystalline silicon nanowires: in situ characterization and first principles modeling. <i>RSC Advances</i> , 2015, 5, 17438-17443.	3.6	11
6	A Robust Smart Window: Reversibly Switching from High Transparency to Angle-Independent Structural Color Display. <i>Advanced Materials</i> , 2015, 27, 2489-2495.	21.0	371
7	Finite element analysis for mechanical response of Ti foams with regular structure obtained by selective laser melting. <i>Acta Materialia</i> , 2015, 97, 199-206.	7.9	27
8	Directing the Deformation Paths of Soft Metamaterials with Prescribed Asymmetric Units. <i>Advanced Materials</i> , 2015, 27, 2747-2752.	21.0	60
9	Engineering the shape and structure of materials by fractal cut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17390-17395.	7.1	265
10	Making the Cut: Lattice Kirigami Rules. <i>Physical Review Letters</i> , 2014, 113, 245502.	7.8	123
11	Transforming One-Dimensional Nanowalls to Long-Range Ordered Two-Dimensional Nanowaves: Exploiting Buckling Instability and Nanofibers Effect in Holographic Lithography. <i>Advanced Functional Materials</i> , 2014, 24, 2361-2366.	14.9	9
12	Tilted Pillars on Wrinkled Elastomers as a Reversibly Tunable Optical Window. <i>Advanced Materials</i> , 2014, 26, 4127-4133.	21.0	118
13	Study of architectural responses of 3D periodic cellular materials. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2013, 21, 065018.	2.0	9
14	Crack nucleation during mechanical fatigue in thin metal films on flexible substrates. <i>Acta Materialia</i> , 2013, 61, 3473-3481.	7.9	76
15	Geometry-Induced Dislocations in Coaxial Heterostructural Nanotubes. <i>Small</i> , 2013, 9, 2255-2259.	10.0	3
16	Fatigue-Free, Electrically Reliable Copper Electrode with Nanohole Array. <i>Small</i> , 2012, 8, 3300-3306.	10.0	48