Yigil Cho

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10985843/publications.pdf

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