Junsoo Kim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1120270/publications.pdf

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24	745	840776 11	642732 23
papers	citations	h-index	g-index

25	25	25	717
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyacrylamide hydrogels. IV. Near-perfect elasticity and rate-dependent toughness. Journal of the Mechanics and Physics of Solids, 2022, 158, 104675.	4.8	16
2	A Chemical Pump that Generates Highâ€Pressure Gas by Transmitting Liquid Fuel against Pressure Gradient. Advanced Intelligent Systems, 2022, 4, .	6.1	2
3	Self-assembled nanocomposites of high water content and load-bearing capacity. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	20
4	Toughness of a composite in which sliding between fibers and matrix is rate-sensitive. Extreme Mechanics Letters, 2021, 46, 101317.	4.1	7
5	Fracture, fatigue, and friction of polymers in which entanglements greatly outnumber cross-links. Science, 2021, 374, 212-216.	12.6	410
6	Capillary-Induced Clustering of Thermoresponsive Micropillars. ACS Applied Materials & Interfaces, 2021, 13, 58201-58208.	8.0	3
7	Design Rule for Constructing Buckling-Free Polymeric Stencil with Microdot Apertures. Polymers, 2021, 13, 4361.	4.5	2
8	Artificial Perspiration Membrane by Programmed Deformation of Thermoresponsive Hydrogels. Advanced Materials, 2020, 32, e1905901.	21.0	17
9	Investigation of Structural Stability for Monolithic Nano Bridges on Micro Apertures. Applied Sciences (Switzerland), 2020, 10, 2922.	2.5	2
10	Fabrication and design of mechanically stable and free-standing polymeric membrane with two-level apertures. Soft Matter, 2018, 14, 9522-9527.	2.7	5
11	Medical Devices: Nonlinear Frameworks for Reversible and Pluripotent Wetting on Topographic Surfaces (Adv. Mater. 7/2017). Advanced Materials, 2017, 29, .	21.0	1
12	Design and Experimental Investigation of Thermoelectric Generators for Wearable Applications. Advanced Materials Technologies, 2017, 2, 1600292.	5.8	28
13	Nonlinear Frameworks for Reversible and Pluripotent Wetting on Topographic Surfaces. Advanced Materials, 2017, 29, 1605078.	21.0	18
14	Shaping micro-clusters via inverse jamming and topographic close-packing of microbombs. Nature Communications, 2017, 8, 721.	12.8	8
15	Directional Clustering of Slanted Nanopillars by Elastocapillarity. Small, 2016, 12, 3764-3769.	10.0	15
16	Repeated shape recovery of clustered nanopillars by mechanical pulling. Journal of Materials Chemistry C, 2016, 4, 9608-9612.	5.5	8
17	Doping-concentration-dependent electric and thermoelectric properties of 2-dimensional silicon thin films. Journal of the Korean Physical Society, 2016, 68, 1472-1475.	0.7	1
18	Optical characterization of the PtSi/Si by using spectroscopic ellipsometry. Journal of the Korean Physical Society, 2016, 69, 291-296.	0.7	0

#	Article	IF	Citations
19	Multiplex lithography for multilevel multiscale architectures and its application to polymer electrolyte membrane fuel cell. Nature Communications, 2015, 6, 8484.	12.8	69
20	Microfluidic platforms with monolithically integrated hierarchical apertures for the facile and rapid formation of cargo-carrying vesicles. Lab on A Chip, 2015, 15, 373-377.	6.0	17
21	Multiscale Transfer Printing into Recessed Microwells and on Curved Surfaces via Hierarchical Perfluoropolyether Stamps. Small, 2014, 10, 52-59.	10.0	33
22	Transfer Printing: Multiscale Transfer Printing into Recessed Microwells and on Curved Surfaces via Hierarchical Perfluoropolyether Stamps (Small 1/2014). Small, 2014, 10, 2-2.	10.0	2
23	Replication of flexible polymer membranes with geometry-controllable nano-apertures via a hierarchical mould-based dewetting. Nature Communications, 2014, 5, 3137.	12.8	59
24	Clustering Transition in Thermoâ€Responsive Micropillars. Small Structures, 0, , 2200023.	12.0	1