

# Junsoo Kim

## List of Publications by Year in descending order

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

Version: 2024-02-01

24  
papers

745  
citations

840776

11  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

717  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fracture, fatigue, and friction of polymers in which entanglements greatly outnumber cross-links. <i>Science</i> , 2021, 374, 212-216.	12.6	410
2	Multiplex lithography for multilevel multiscale architectures and its application to polymer electrolyte membrane fuel cell. <i>Nature Communications</i> , 2015, 6, 8484.	12.8	69
3	Replication of flexible polymer membranes with geometry-controllable nano-apertures via a hierarchical mould-based dewetting. <i>Nature Communications</i> , 2014, 5, 3137.	12.8	59
4	Multiscale Transfer Printing into Recessed Microwells and on Curved Surfaces via Hierarchical Perfluoropolyether Stamps. <i>Small</i> , 2014, 10, 52-59.	10.0	33
5	Design and Experimental Investigation of Thermoelectric Generators for Wearable Applications. <i>Advanced Materials Technologies</i> , 2017, 2, 1600292.	5.8	28
6	Self-assembled nanocomposites of high water content and load-bearing capacity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	20
7	Nonlinear Frameworks for Reversible and Pluripotent Wetting on Topographic Surfaces. <i>Advanced Materials</i> , 2017, 29, 1605078.	21.0	18
8	Microfluidic platforms with monolithically integrated hierarchical apertures for the facile and rapid formation of cargo-carrying vesicles. <i>Lab on A Chip</i> , 2015, 15, 373-377.	6.0	17
9	Artificial Perspiration Membrane by Programmed Deformation of Thermoresponsive Hydrogels. <i>Advanced Materials</i> , 2020, 32, e1905901.	21.0	17
10	Polyacrylamide hydrogels. IV. Near-perfect elasticity and rate-dependent toughness. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 158, 104675.	4.8	16
11	Directional Clustering of Slanted Nanopillars by Elastocapillarity. <i>Small</i> , 2016, 12, 3764-3769.	10.0	15
12	Repeated shape recovery of clustered nanopillars by mechanical pulling. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9608-9612.	5.5	8
13	Shaping micro-clusters via inverse jamming and topographic close-packing of microbombs. <i>Nature Communications</i> , 2017, 8, 721.	12.8	8
14	Toughness of a composite in which sliding between fibers and matrix is rate-sensitive. <i>Extreme Mechanics Letters</i> , 2021, 46, 101317.	4.1	7
15	Fabrication and design of mechanically stable and free-standing polymeric membrane with two-level apertures. <i>Soft Matter</i> , 2018, 14, 9522-9527.	2.7	5
16	Capillary-Induced Clustering of Thermoresponsive Micropillars. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 58201-58208.	8.0	3
17	Transfer Printing: Multiscale Transfer Printing into Recessed Microwells and on Curved Surfaces via Hierarchical Perfluoropolyether Stamps ( <i>Small</i> 1/2014). <i>Small</i> , 2014, 10, 2-2.	10.0	2
18	Investigation of Structural Stability for Monolithic Nano Bridges on Micro Apertures. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2922.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Design Rule for Constructing Buckling-Free Polymeric Stencil with Microdot Apertures. <i>Polymers</i> , 2021, 13, 4361.	4.5	2
20	A Chemical Pump that Generates High-Pressure Gas by Transmitting Liquid Fuel against Pressure Gradient. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	2
21	Doping-concentration-dependent electric and thermoelectric properties of 2-dimensional silicon thin films. <i>Journal of the Korean Physical Society</i> , 2016, 68, 1472-1475.	0.7	1
22	Medical Devices: Nonlinear Frameworks for Reversible and Pluripotent Wetting on Topographic Surfaces ( <i>Adv. Mater.</i> 7/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	1
23	Clustering Transition in Thermo-Responsive Micropillars. <i>Small Structures</i> , 0, , 2200023.	12.0	1
24	Optical characterization of the PtSi/Si by using spectroscopic ellipsometry. <i>Journal of the Korean Physical Society</i> , 2016, 69, 291-296.	0.7	0