

Hanmin Jang

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

365
citations

1040056

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1125743

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14
docs citations

14
times ranked

383
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct growth of cerium oxide nanorods on diverse substrates for superhydrophobicity and corrosion resistance. <i>Applied Surface Science</i> , 2015, 340, 96-101.	6.1	74
2	Visibly Clear Radiative Cooling Metamaterials for Enhanced Thermal Management in Solar Cells and Windows. <i>Advanced Functional Materials</i> , 2022, 32, 2105882.	14.9	51
3	Bioresorbable, Miniaturized Porous Silicon Needles on a Flexible Water-Soluble Backing for Unobtrusive, Sustained Delivery of Chemotherapy. <i>ACS Nano</i> , 2020, 14, 7227-7236.	14.6	50
4	Flexible elastomer patch with vertical silicon nanoneedles for intracellular and intratissue nanoinjection of biomolecules. <i>Science Advances</i> , 2018, 4, eaau6972.	10.3	39
5	Microscopic observation of frost behaviors at the early stage of frost formation on hydrophobic surfaces. <i>International Journal of Heat and Mass Transfer</i> , 2016, 97, 861-867.	4.8	33
6	Facile Fabrication of Superomniphobic Polymer Hierarchical Structures for Directional Droplet Movement. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9213-9220.	8.0	24
7	Fabrication of micro-patterned aluminum surfaces for low ice adhesion strength. <i>Applied Surface Science</i> , 2018, 440, 643-650.	6.1	24
8	Rapid custom prototyping of soft poroelastic biosensor for simultaneous epicardial recording and imaging. <i>Nature Communications</i> , 2021, 12, 3710.	12.8	24
9	Recent progress on developing anti-frosting and anti-fouling functional surfaces for air source heat pumps. <i>Energy and Buildings</i> , 2020, 223, 110139.	6.7	20
10	Controlled Integration of Interconnected Pores under Polymeric Surfaces for Low Adhesion and Antiscaling Performance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13684-13692.	8.0	10
11	Sensor-Instrumented Scaffold Integrated with Microporous Spongelike Ultrabuoy for Long-Term 3D Mapping of Cellular Behaviors and Functions. <i>ACS Nano</i> , 2019, 13, 7898-7904.	14.6	8
12	Three-Dimensional Hetero-Integration of Faceted GaN on Si Pillars for Efficient Light Energy Conversion Devices. <i>ACS Nano</i> , 2017, 11, 6853-6859.	14.6	7
13	High quality GaN tetrapodal structures hetero-integrated on 3D Si surfaces. <i>Applied Surface Science</i> , 2021, 565, 150584.	6.1	1