Shuang Zheng

List of Publications by Year
in descending order

14	304	840776 11	1125743 13
papers	citations	h-index	g-index

14	14	14	418
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Micro-/nano-voids guided two-stage film cracking on bioinspired assemblies for high-performance electronics. Nature Communications, 2019, 10, 3862.	12.8	38
2	A Magnetic Gated Nanofluidic Based on the Integration of a Superhydrophilic Nanochannels and a Reconfigurable Ferrofluid. Advanced Materials, 2019, 31, e1805953.	21.0	34
3	Foolproof Method for Fast and Reversible Switching of Water-Droplet Adhesion by Magnetic Gradients. ACS Applied Materials & Interfaces, 2017, 9, 23238-23245.	8.0	32
4	Superamphiphilic TiO₂ Composite Surface for Protein Antifouling. Advanced Materials, 2021, 33, e2003559.	21.0	32
5	Continuous Energy Harvesting from Ubiquitous Humidity Gradients using Liquidâ€Infused Nanofluidics. Advanced Materials, 2022, 34, e2106410.	21.0	27
6	Microchannel and Nanofiber Array Morphology Enhanced Rapid Superspreading on Animalsâ€™ Corneas. Advanced Materials, 2021, 33, e2007152.	21.0	26
7	Superhydrophilic Coating Induced Temporary Conductivity for Lowâ€Cost Coating and Patterning of Insulating Surfaces. Advanced Functional Materials, 2016, 26, 9018-9025.	14.9	25
8	2D Prior Spreading Inspired from Chinese Xuan Papers. Advanced Functional Materials, 2018, 28, 1800832.	14.9	25
9	Defect-enhanced selective ion transport in an ionic nanocomposite for efficient energy harvesting from moisture. Energy and Environmental Science, 2022, 15, 2601-2609.	30.8	22
10	Magnetic Gated Biomimetic Artificial Nanochannels for Controllable Ion Transportation Inspired by Homing Pigeon. Small, 2018, 14, e1703369.	10.0	15
11	Magnetic Actuation Multifunctional Platform Combining Microdroplets Delivery and Stirring. ACS Applied Materials & Interfaces, 2019, 11, 47642-47648.	8.0	13
12	Circadian humidity fluctuation induced capillary flow for sustainable mobile energy. Nature Communications, 2022, 13, 1291.	12.8	12
13	Coatings: Superhydrophilic Coating Induced Temporary Conductivity for Low-Cost Coating and Patterning of Insulating Surfaces (Adv. Funct. Mater. 48/2016). Advanced Functional Materials, 2016, 26, 9017-9017.	14.9	3
14	Biocompatible Materials: Microchannel and Nanofiber Array Morphology Enhanced Rapid Superspreading on Animalsâ€™ Corneas (Adv. Mater. 23/2021). Advanced Materials, 2021, 33, 2170180.	21.0	0