

Dianyu Wang

List of Publications by Year in descending order

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14
papers

612
citations

759233

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14
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14
times ranked

908
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion/Molecule Transportation in Nanopores and Nanochannels: From Critical Principles to Diverse Functions. <i>Journal of the American Chemical Society</i> , 2019, 141, 8658-8669.	13.7	263
2	Smart DNA Hydrogel Integrated Nanochannels with High Ion Flux and Adjustable Selective Ionic Transport. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7790-7794.	13.8	97
3	Micro-/nano-voids guided two-stage film cracking on bioinspired assemblies for high-performance electronics. <i>Nature Communications</i> , 2019, 10, 3862.	12.8	38
4	Bioinspired Self-Healing Liquid Films for Ultradurable Electronics. <i>ACS Nano</i> , 2019, 13, 3225-3231.	14.6	36
5	A Magnetic Gated Nanofluidic Based on the Integration of a Superhydrophilic Nanochannels and a Reconfigurable Ferrofluid. <i>Advanced Materials</i> , 2019, 31, e1805953.	21.0	34
6	Abnormal Properties of Low-Dimensional Confined Water. <i>Small</i> , 2021, 17, e2100788.	10.0	28
7	Microchannel and Nanofiber Array Morphology Enhanced Rapid Superspreading on Animals' Corneas. <i>Advanced Materials</i> , 2021, 33, e2007152.	21.0	26
8	2D Prior Spreading Inspired from Chinese Xuan Papers. <i>Advanced Functional Materials</i> , 2018, 28, 1800832.	14.9	25
9	Smart DNA Hydrogel Integrated Nanochannels with High Ion Flux and Adjustable Selective Ionic Transport. <i>Angewandte Chemie</i> , 2018, 130, 7916-7920.	2.0	21
10	Magnetic Gated Biomimetic Artificial Nanochannels for Controllable Ion Transportation Inspired by Homing Pigeon. <i>Small</i> , 2018, 14, e1703369.	10.0	15
11	Facile Self-templating Melting Route Preparation of Biomass-derived Hierarchical Porous Carbon for Advanced Supercapacitors. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 983-988.	2.6	15
12	Magnetic Actuation Multifunctional Platform Combining Microdroplets Delivery and Stirring. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47642-47648.	8.0	13
13	Abnormal Properties of Low-Dimensional Confined Water (Small 31/2021). <i>Small</i> , 2021, 17, 2170163.	10.0	1
14	Biocompatible Materials: Microchannel and Nanofiber Array Morphology Enhanced Rapid Superspreading on Animals' Corneas (Adv. Mater. 23/2021). <i>Advanced Materials</i> , 2021, 33, 2170180.	21.0	0