Xin Ning

List of Publications by Year
in descending order

18	1,545	686830 13	940134 16
papers	citations	h-index	g-index

19	19	19	2239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Skin-integrated wireless haptic interfaces for virtual and augmented reality. Nature, 2019, 575, 473-479.	13.7	610
2	Assembly of Advanced Materials into 3D Functional Structures by Methods Inspired by Origami and Kirigami: A Review. Advanced Materials Interfaces, 2018, 5, 1800284.	1.9	195
3	Wireless optoelectronic photometers for monitoring neuronal dynamics in the deep brain. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1374-E1383.	3.3	167
4	Wireless, battery-free optoelectronic systems as subdermal implants for local tissue oximetry. Science Advances, 2019, 5, eaaw0873.	4.7	116
5	Mechanically active materials in three-dimensional mesostructures. Science Advances, 2018, 4, eaat8313.	4.7	89
6	Miniaturized electromechanical devices for the characterization of the biomechanics of deep tissue. Nature Biomedical Engineering, 2021, 5, 759-771.	11.6	65
7	A Bioresorbable Magnetically Coupled System for Lowâ€Frequency Wireless Power Transfer. Advanced Functional Materials, 2019, 29, 1905451.	7.8	58
8	Harnessing the interface mechanics of hard films and soft substrates for 3D assembly by controlled buckling. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15368-15377.	3.3	54
9	Engineered Elastomer Substrates for Guided Assembly of Complex 3D Mesostructures by Spatially Nonuniform Compressive Buckling. Advanced Functional Materials, 2017, 27, 1604281.	7.8	50
10	3D Tunable, Multiscale, and Multistable Vibrational Microâ€Platforms Assembled by Compressive Buckling. Advanced Functional Materials, 2017, 27, 1605914.	7.8	43
11	Compliant 3D frameworks instrumented with strain sensors for characterization of millimeter-scale engineered muscle tissues. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
12	Soft Three-Dimensional Microscale Vibratory Platforms for Characterization of Nano-Thin Polymer Films. ACS Nano, 2019, 13, 449-457.	7.3	28
13	Biocompatible Light Guideâ€Assisted Wearable Devices for Enhanced UV Light Delivery in Deep Skin. Advanced Functional Materials, 2021, 31, 2100576.	7.8	26
14	A Data-Driven Framework for Buckling Analysis of Near-Spherical Composite Shells Under External Pressure. Journal of Applied Mechanics, Transactions ASME, 2021, 88, .	1.1	5
15	Ultraâ€Flexible Visibleâ€Blind Optoelectronics for Wired and Wireless UV Sensing in Harsh Environments. Advanced Materials Technologies, 2021, 6, 2001125.	3.0	5
16	Ultra-Thin, Ultra-Lightweight, and Multifunctional Skin for Highly Deformable Structures. , 2019, , .		2
17	A geometry-based framework for modeling the complexity of origami folding. Theoretical and Applied Mechanics Letters, 2021, 11, 100241.	1.3	2
18	Quantifying the Complexity of Folding Origami Membranes. , 2021, , .		0