

Zequn Cui

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,074
citations

516561

16
h-index

610775

24
g-index

26
all docs

26
docs citations

26
times ranked

1491
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in TiO ₂ -Based Nanostructured Surfaces with Controllable Wettability and Adhesion. <i>Small</i> , 2016, 12, 2203-2224.	5.2	278
2	Portable Food-Freshness Prediction Platform Based on Colorimetric Barcode Combinatorics and Deep Convolutional Neural Networks. <i>Advanced Materials</i> , 2020, 32, e2004805.	11.1	131
3	Efficient PbS quantum dot solar cells employing a conventional structure. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23960-23966.	5.2	104
4	Fusing Stretchable Sensing Technology with Machine Learning for Human-Machine Interfaces. <i>Advanced Functional Materials</i> , 2021, 31, 2008807.	7.8	84
5	Artificial Sense Technology: Emulating and Extending Biological Senses. <i>ACS Nano</i> , 2021, 15, 18671-18678.	7.3	64
6	Locally coupled electromechanical interfaces based on cytoadhesion-inspired hybrids to identify muscular excitation-contraction signatures. <i>Nature Communications</i> , 2020, 11, 2183.	5.8	47
7	A Stretchable and Transparent Electrode Based on PEGylated Silk Fibroin for In Vivo Dual-Modal Neural-Vascular Activity Probing. <i>Advanced Materials</i> , 2021, 33, e2100221.	11.1	43
8	Pangolin-Inspired Stretchable, Microwave-Invisible Metascale. <i>Advanced Materials</i> , 2021, 33, e2102131.	11.1	40
9	Haptically Quantifying Young's Modulus of Soft Materials Using a Self-Locked Stretchable Strain Sensor. <i>Advanced Materials</i> , 2022, 34, e2104078.	11.1	39
10	A Mechanically Interlocking Strategy Based on Conductive Microbridges for Stretchable Electronics. <i>Advanced Materials</i> , 2022, 34, e2101339.	11.1	35
11	Addressable growth of oriented organic semiconductor ultra-thin films on hydrophobic surface by direct dip-coating. <i>Organic Electronics</i> , 2015, 24, 170-175.	1.4	33
12	Transition of axial segregation patterns in a long rotating drum. <i>Particuology</i> , 2014, 13, 128-133.	2.0	30
13	Scalable Fabrication of Multiplexed Plasmonic Nanoparticle Structures Based on AFM Lithography. <i>Small</i> , 2016, 12, 5818-5825.	5.2	25
14	Fast patterning of oriented organic microstripes for field-effect ammonia gas sensors. <i>Nanoscale</i> , 2016, 8, 3954-3961.	2.8	23
15	Mechanically Durable Memristor Arrays Based on a Discrete Structure Design. <i>Advanced Materials</i> , 2022, 34, e2106212.	11.1	19
16	Mechanical Tolerance of Cascade Bioreactions via Adaptive Curvature Engineering for Epidermal Bioelectronics. <i>Advanced Materials</i> , 2020, 32, e2000991.	11.1	17
17	High performance all-polymer solar cells employing systematically tailored donor polymers. <i>Organic Electronics</i> , 2016, 33, 227-234.	1.4	14
18	Seeing Down to the Bottom: Nondestructive Inspection of All-Polymer Solar Cells by Kelvin Probe Force Microscopy. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600446.	1.9	13

#	ARTICLE	IF	CITATIONS
19	Modulating the Spatial Electrostatic Potential for 1D Colloidal Nanoparticles Assembly. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700505.	1.9	12
20	Strain-Enabled Phase Transition of Periodic Metasurfaces. <i>Advanced Materials</i> , 2022, 34, e2102560.	11.1	7
21	Photo-generated charge behaviors in all-polymer solar cells studied by Kelvin probe force microscopy. <i>Organic Electronics</i> , 2016, 39, 38-42.	1.4	6
22	Quasi-Layer-by-Layer Growth of Pentacene on HOPG and Au Surfaces. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25043-25051.	1.5	4
23	Wettability: Recent Advances in TiO ₂ -Based Nanostructured Surfaces with Controllable Wettability and Adhesion (<i>Small</i> 16/2016). <i>Small</i> , 2016, 12, 2248-2248.	5.2	3
24	Plasmonic Nanoparticles: Scalable Fabrication of Multiplexed Plasmonic Nanoparticle Structures Based on AFM Lithography (<i>Small</i> 42/2016). <i>Small</i> , 2016, 12, 5817-5817.	5.2	2
25	Photovoltaics: Seeing Down to the Bottom: Nondestructive Inspection of All-Polymer Solar Cells by Kelvin Probe Force Microscopy (<i>Adv. Mater. Interfaces</i> 18/2016). <i>Advanced Materials Interfaces</i> , 2016, 3, .	1.9	0