

Zhi-Jun Zhao

List of Publications by Year in descending order

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33
papers

545
citations

686830

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34
times ranked

540
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasonically and Iontophoretically Enhanced Drug-Delivery System Based on Dissolving Microneedle Patches. <i>Scientific Reports</i> , 2020, 10, 2027.	1.6	59
2	Morphology-controllable wrinkled hierarchical structure and its application to superhydrophobic triboelectric nanogenerator. <i>Nano Energy</i> , 2021, 85, 105978.	8.2	54
3	Microneedles integrated with a triboelectric nanogenerator: an electrically active drug delivery system. <i>Nanoscale</i> , 2018, 10, 13502-13510.	2.8	44
4	Three-dimensional plasmonic Ag/TiO ₂ nanocomposite architectures on flexible substrates for visible-light photocatalytic activity. <i>Scientific Reports</i> , 2017, 7, 8915.	1.6	37
5	3D Layer-By-Layer Pd-Containing Nanocomposite Platforms for Enhancing the Performance of Hydrogen Sensors. <i>ACS Sensors</i> , 2020, 5, 2367-2377.	4.0	30
6	Nanotransfer Printing on Textile Substrate with Water-Soluble Polymer Nanotemplate. <i>ACS Nano</i> , 2020, 14, 2191-2201.	7.3	25
7	Large-Area Nanogap-Controlled 3D Nanoarchitectures Fabricated via Layer-by-Layer Nanoimprint. <i>ACS Nano</i> , 2021, 15, 503-514.	7.3	25
8	Heterogeneous Conductance-Based Locally Shape-Morphable Soft Electrothermal Actuator. <i>Advanced Materials Technologies</i> , 2020, 5, 1900997.	3.0	24
9	Repeatable and metal-independent nanotransfer printing based on metal oxidation for plasmonic color filters. <i>Nanoscale</i> , 2019, 11, 11128-11137.	2.8	23
10	Transparent Displays Utilizing Nanopatterned Quantum Dot Films. <i>Scientific Reports</i> , 2018, 8, 2463.	1.6	22
11	Shape-Controlled 3D Periodic Metal Nanostructures Fabricated via Nanowelding. <i>Small</i> , 2018, 14, 1703102.	5.2	20
12	Eight Inch Wafer-Scale Flexible Polarization-Dependent Color Filters with Ag-TiO ₂ Composite Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9188-9196.	4.0	19
13	Adhesive-Layer-Free and Double-Faced Nanotransfer Lithography for a Flexible Large-Area MetaSurface Hologram. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1737-1745.	4.0	15
14	Shape-Controlled and Well-Arrayed Heterogeneous Nanostructures via Melting Point Modulation at the Nanoscale. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3358-3368.	4.0	15
15	Direct Chemisorption-Assisted Nanotransfer Printing with Wafer-Scale Uniformity and Controllability. <i>ACS Nano</i> , 2022, 16, 378-385.	7.3	15
16	Generation of various wrinkle shapes on single surface by controlling thickness of weakly polymerized layer. <i>Materials Letters</i> , 2015, 155, 125-129.	1.3	13
17	Effects of polymer surface energy on morphology and properties of silver nanowire fabricated via nanoimprint and E-beam evaporation. <i>Applied Surface Science</i> , 2017, 420, 429-438.	3.1	13
18	Distinct UV-Visible Responsivity Enhancement of GaAs Photodetectors via Monolithic Integration of Antireflective Nanopillar Structure and UV Absorbing IGZO Layer. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	13

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19	Nanopattern-Embedded Micropillar Structures for Security Identification. ACS Applied Materials & Interfaces, 2019, 11, 30401-30410.	4.0	11
20	A highly ordered and damage-free Ge inverted pyramid array structure for broadband antireflection in the mid-infrared. Journal of Materials Chemistry C, 2021, 9, 9884-9891.	2.7	10
21	Biocompatible Nanotransfer Printing Based on Water Bridge Formation in Hyaluronic Acid and Its Application to Smart Contact Lenses. ACS Applied Materials & Interfaces, 2021, 13, 35069-35078.	4.0	10
22	Heterogeneous Nanostructures Fabricated via Binding Energy-Controlled Nanowelding. ACS Applied Materials & Interfaces, 2019, 11, 7261-7271.	4.0	9
23	Effect of substrate reflecting conditions on the curing of UV curable resin layers on aluminum and the formation of surface wavy structures. Materials Letters, 2016, 164, 23-27.	1.3	7
24	Effective Dispensing Methods for Loading Drugs Only to the Tip of DNA Microneedles. Pharmaceutics, 2020, 12, 954.	2.0	6
25	Robust nanotransfer printing by imidization-induced interlocking. Applied Surface Science, 2021, 552, 149500.	3.1	5
26	Biocompatible All-in-One Adhesive Needle-Free Cup Patch for Enhancing Transdermal Drug Delivery. ACS Applied Materials & Interfaces, 2021, 13, 58220-58228.	4.0	5
27	Wafer-scale, highly uniform, and well-arrayed suspended nanostructures for enhancing the performance of electronic devices. Nanoscale, 2022, 14, 1136-1143.	2.8	4
28	Evaluation of directional mechanical properties of 3D printed polymer parts. , 2015, , .		3
29	A heavily doped germanium pyramid array for tunable optical antireflection in the broadband mid-infrared range. Journal of Materials Chemistry C, 2022, 10, 5797-5804.	2.7	3
30	Metallization of microscale wrinkles on a curved surface by contact and electro-replication method. International Journal of Advanced Manufacturing Technology, 2017, 92, 1165-1172.	1.5	2
31	Buffered Oxide Etchant Post-Treatment of a Silicon Nanofilm for Low-Cost and Performance-Enhanced Chemical Sensors. ACS Applied Materials & Interfaces, 2020, 12, 37128-37136.	4.0	2
32	Out-of-plane stretching for simultaneous generation of different morphological wrinkles on a soft matter. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	1
33	Step-and-repeat stamping method for the generation of large-area microscale wrinkle patterns. Journal of Mechanical Science and Technology, 2017, 31, 1893-1898.	0.7	0