Zhi-Jun Zhao

List of Publications by Year
in descending order

33 papers	545 citations	687363 13 h-index	677142 22 g-index
34 all docs	34 docs citations	34 times ranked	540 citing authors

#	Article	IF	Citations
1	Direct Chemisorption-Assisted Nanotransfer Printing with Wafer-Scale Uniformity and Controllability. ACS Nano, 2022, 16, 378-385.	14.6	15
2	Wafer-scale, highly uniform, and well-arrayed suspended nanostructures for enhancing the performance of electronic devices. Nanoscale, 2022, 14, 1136-1143.	5.6	4
3	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.	5.5	3
4	Distinct UVâ€“Visible Responsivity Enhancement of GaAs Photodetectors via Monolithic Integration of Antireflective Nanopillar Structure and UV Absorbing IGZO Layer. Advanced Optical Materials, 2022, 10, .	7.3	13
5	Shape-Controlled and Well-Arrayed Heterogeneous Nanostructures via Melting Point Modulation at the Nanoscale. ACS Applied Materials & Interfaces, 2021, 13, 3358-3368.	8.0	15
6	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.	5.5	10
7	Large-Area Nanogap-Controlled 3D Nanoarchitectures Fabricated via Layer-by-Layer Nanoimprint. ACS Nano, 2021, 15, 503-514.	14.6	25
8	Robust nanotransfer printing by imidization-induced interlocking. Applied Surface Science, 2021, 552, 149500.	6.1	5
9	Morphology-controllable wrinkled hierarchical structure and its application to superhydrophobic triboelectric nanogenerator. Nano Energy, 2021, 85, 105978.	16.0	54
10	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.	8.0	10
11	Biocompatible All-in-One Adhesive Needle-Free Cup Patch for Enhancing Transdermal Drug Delivery. ACS Applied Materials & Interfaces, 2021, 13, 58220-58228.	8.0	5
12	Heterogeneous Conductanceâ€Based Locally Shapeâ€Morphable Soft Electrothermal Actuator. Advanced Materials Technologies, 2020, 5, 1900997.	5.8	24
13	Adhesive-Layer-Free and Double-Faced Nanotransfer Lithography for a Flexible Large-Area MetaSurface Hologram. ACS Applied Materials & Interfaces, 2020, 12, 1737-1745.	8.0	15
14	Effective Dispensing Methods for Loading Drugs Only to the Tip of DNA Microneedles. Pharmaceutics, 2020, 12, 954.	4.5	6
15	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.	8.0	2
16	Ultrasonically and Iontophoretically Enhanced Drug-Delivery System Based on Dissolving Microneedle Patches. Scientific Reports, 2020, 10, 2027.	3.3	59
17	Nanotransfer Printing on Textile Substrate with Water-Soluble Polymer Nanotemplate. ACS Nano, 2020, 14, 2191-2201.	14.6	25
18	3D Layer-By-Layer Pd-Containing Nanocomposite Platforms for Enhancing the Performance of Hydrogen Sensors. ACS Sensors, 2020, 5, 2367-2377.	7.8	30

#	Article	IF	Citations
19	Nanopattern-Embedded Micropillar Structures for Security Identification. ACS Applied Materials & Interfaces, 2019, 11, 30401-30410.	8.0	11
20	Heterogeneous Nanostructures Fabricated via Binding Energy-Controlled Nanowelding. ACS Applied Materials & Interfaces, 2019, 11, 7261-7271.	8.0	9
21	Repeatable and metal-independent nanotransfer printing based on metal oxidation for plasmonic color filters. Nanoscale, 2019, 11, 11128-11137.	5.6	23
22	Eight Inch Wafer-Scale Flexible Polarization-Dependent Color Filters with Agâ€“TiO₂ Composite Nanowires. ACS Applied Materials & Interfaces, 2018, 10, 9188-9196.	8.0	19
23	Transparent Displays Utilizing Nanopatterned Quantum Dot Films. Scientific Reports, 2018, 8, 2463.	3.3	22
24	Shapeâ€Controlled 3D Periodic Metal Nanostructures Fabricated via Nanowelding. Small, 2018, 14, 1703102.	10.0	20
25	Microneedles integrated with a triboelectric nanogenerator: an electrically active drug delivery system. Nanoscale, 2018, 10, 13502-13510.	5.6	44
26	Step-and-repeat stamping method for the generation of large-area microscale wrinkle patterns. Journal of Mechanical Science and Technology, 2017, 31, 1893-1898.	1.5	0
27	Effects of polymer surface energy on morphology and properties of silver nanowire fabricated via nanoimprint and E-beam evaporation. Applied Surface Science, 2017, 420, 429-438.	6.1	13
28	Three-dimensional plasmonic Ag/TiO2 nanocomposite architectures on flexible substrates for visible-light photocatalytic activity. Scientific Reports, 2017, 7, 8915.	3.3	37
29	Metallization of microscale wrinkles on a curved surface by contact and electro-replication method. International Journal of Advanced Manufacturing Technology, 2017, 92, 1165-1172.	3.0	2
30	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.	2.3	1
31	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.	2.6	7
32	Generation of various wrinkle shapes on single surface by controlling thickness of weakly polymerized layer. Materials Letters, 2015, 155, 125-129.	2.6	13
33	Evaluation of directional mechanical properties of 3D printed polymer parts. , 2015, , .		3