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	Ultrasonically and Iontophoretically Enhanced Drug-Delivery System Based on Dissolving Microneedle Patches. Scientific Reports, 2020, 10, 2027.	3.3	59
2	Morphology-controllable wrinkled hierarchical structure and its application to superhydrophobic triboelectric nanogenerator. Nano Energy, 2021, 85, 105978.	16.0	54
3	Microneedles integrated with a triboelectric nanogenerator: an electrically active drug delivery system. Nanoscale, 2018, 10, 13502-13510.	5.6	44
4	Three-dimensional plasmonic Ag/TiO2 nanocomposite architectures on flexible substrates for visible-light photocatalytic activity. Scientific Reports, 2017, 7, 8915.	3.3	37
5	3D Layer-By-Layer Pd-Containing Nanocomposite Platforms for Enhancing the Performance of Hydrogen Sensors. ACS Sensors, 2020, 5, 2367-2377.	7.8	30
6	Nanotransfer Printing on Textile Substrate with Water-Soluble Polymer Nanotemplate. ACS Nano, 2020, 14, 2191-2201.	14.6	25
7	Large-Area Nanogap-Controlled 3D Nanoarchitectures Fabricated via Layer-by-Layer Nanoimprint. ACS Nano, 2021, 15, 503-514.	14.6	25
8	Heterogeneous Conductanceâ€Based Locally Shapeâ€Morphable Soft Electrothermal Actuator. Advanced Materials Technologies, 2020, 5, 1900997.	5.8	24
9	Repeatable and metal-independent nanotransfer printing based on metal oxidation for plasmonic color filters. Nanoscale, 2019, 11, 11128-11137.	5.6	23
10	Transparent Displays Utilizing Nanopatterned Quantum Dot Films. Scientific Reports, 2018, 8, 2463.	3.3	22
11	Shapeâ€Controlled 3D Periodic Metal Nanostructures Fabricated via Nanowelding. Small, 2018, 14, 1703102.	10.0	20
12	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
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	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
15	Direct Chemisorption-Assisted Nanotransfer Printing with Wafer-Scale Uniformity and Controllability. ACS Nano, 2022, 16, 378-385.	14.6	15
16	Generation of various wrinkle shapes on single surface by controlling thickness of weakly polymerized layer. Materials Letters, 2015, 155, 125-129.	2.6	13
17	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
18	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

#	Article	IF	Citations
19	Nanopattern-Embedded Micropillar Structures for Security Identification. ACS Applied Materials & Interfaces, 2019, 11, 30401-30410.	8.0	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.	5.5	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.	8.0	10
22	Heterogeneous Nanostructures Fabricated via Binding Energy-Controlled Nanowelding. ACS Applied Materials & Interfaces, 2019, 11, 7261-7271.	8.0	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.	2.6	7
24	Effective Dispensing Methods for Loading Drugs Only to the Tip of DNA Microneedles. Pharmaceutics, 2020, 12, 954.	4.5	6
25	Robust nanotransfer printing by imidization-induced interlocking. Applied Surface Science, 2021, 552, 149500.	6.1	5
26	Biocompatible All-in-One Adhesive Needle-Free Cup Patch for Enhancing Transdermal Drug Delivery. ACS Applied Materials & Interfaces, 2021, 13, 58220-58228.	8.0	5
27	Wafer-scale, highly uniform, and well-arrayed suspended nanostructures for enhancing the performance of electronic devices. Nanoscale, 2022, 14, 1136-1143.	5.6	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.	5.5	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.	3.0	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.	8.0	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.	2.3	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.	1.5	0