Zhankun Weng

List of Publications by Year
in descending order

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36	486	840776 11	713466 21
papers	citations	h-index	g-index

37	37	37	577
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalyst-Free, Selective Growth of ZnO Nanowires on SiO₂ by Chemical Vapor Deposition for Transfer-Free Fabrication of UV Photodetectors. ACS Applied Materials & Interfaces, 2015, 7, 20264-20271.	8.0	69
2	Fabrication of biomimetic superhydrophobic and anti-icing Ti6Al4V alloy surfaces by direct laser interference lithography and hydrothermal treatment. Applied Surface Science, 2020, 534, 147576.	6.1	63
3	Fabrication of moth-eye structures on silicon by direct six-beam laser interference lithography. Journal of Applied Physics, 2014, 115, .	2.5	59
4	Fabrication of hematite (Î±-Fe 2 O 3) nanoparticles using electrochemical deposition. Applied Surface Science, 2016, 368, 303-308.	6.1	49
5	Bio-inspired hierarchical patterning of silicon by laser interference lithography. Applied Optics, 2016, 55, 3226.	1.8	33
6	Micro and nano dual-scale structures fabricated by amplitude modulation in multi-beam laser interference lithography. Optics Express, 2017, 25, 29135.	3.4	28
7	Ligand engineering of colloid quantum dots and their application in all-inorganic tandem solar cells. Journal of Energy Chemistry, 2020, 50, 230-239.	12.9	22
8	Magneticâ€“plasmonic Ni@Au coreâ€“shell nanoparticle arrays and their SERS properties. RSC Advances, 2020, 10, 2661-2669.	3.6	19
9	Fabrication of periodically micropatterned magnetite nanoparticles by laser-interference-controlled electrodeposition. Journal of Materials Science, 2018, 53, 3239-3249.	3.7	13
10	Superlens-enhanced laser interference lithography. Applied Physics Express, 2018, 11, 125201.	2.4	12
11	Fabrication of silicon nanostripe structures by laser-interference-induced backward transfer technique. Applied Surface Science, 2019, 489, 983-988.	6.1	12
12	Fabrication of oil-water separation stainless steel mesh via direct laser interference lithography, candle soot deposition, and thermal treatment. Journal of Laser Applications, 2019, 31, 012003.	1.7	11
13	Fabrication of periodical micro-stripe structure of polyimide by laser interference induced forward transfer technique. Applied Surface Science, 2021, 541, 148466.	6.1	10
14	Recent progress of transparent conductive electrodes in the construction of efficient flexible organic solar cells. International Journal of Energy Research, 2022, 46, 4071-4087.	4.5	10
15	Anodic etching of InP using neutral NaCl electrolyte. Journal of Porous Materials, 2009, 16, 707-713.	2.6	9
16	Fabrication of Pt nanowires with a diffraction-unlimited feature size by high-threshold lithography. Applied Physics Letters, 2015, 107, 133104.	3.3	9
17	Investigation of the mechanical effects of targeted drugs on cancerous cells based on atomic force microscopy. Analytical Methods, 2021, 13, 3136-3146.	2.7	9
18	Tunable Electrochemical Oscillation and Regular 3D Nanopore Arrays of InP. Journal of the Electrochemical Society, 2015, 162, E129-E133.	2.9	7

#	Article	IF	Citations
19	Fabrication of periodic microscale stripes of silver by laser interference induced forward transfer and their SERS properties. Nanotechnology, 2022, 33, 115302.	2.6	6
20	Selective etching of InP in NaF solution. Applied Surface Science, 2010, 256, 2052-2055.	6.1	5
21	Investigating effects of silicon nanowire and nanohole arrays on fibroblasts via AFAM. Applied Nanoscience (Switzerland), 2020, 10, 3717-3724.	3.1	4
22	Formation of porous InP by cathodic decomposition. Microelectronics Journal, 2007, 38, 1191-1195.	2.0	3
23	Growth of porous InP: Transition from three to two dimensional structures. , 2013, , .		3
24	Effects of temperature and current density on the porous structure of InP. Journal of Solid State Electrochemistry, 2017, 21, 545-553.	2.5	3
25	Label-free highly sensitive probe detection with novel hierarchical SERS substrates fabricated by nanoindentation and chemical reaction methods. Beilstein Journal of Nanotechnology, 2019, 10, 2483-2496.	2.8	3
26	Templated assembly of micropatterned Au-Ni nanoparticles on laser interference-structured surfaces by thermal dewetting. Journal of Magnetism and Magnetic Materials, 2020, 495, 165876.	2.3	3
27	Magnetic Ganoderma Lucidum Spores (mGLS): A Novel Regulatable Targeted Drug Delivery System. Journal of Bionic Engineering, 2021, 18, 915-926.	5.0	3
28	Facile fabrication of micropattern surfaces with controlled wettability on PDMS-modified fiber membranes for cell patterning. Analytical Methods, 2022, 14, 1820-1826.	2.7	3
29	Modeling and correction of image pixel hysteresis in atomic force microscopy. Ultramicroscopy, 2020, 213, 112992.	1.9	2
30	Bioinspired microgroove arrays with drag reduction and hydrophobic properties. Surface Innovations, 2023, 11, 262-269.	2.3	2
31	Tunable oscillatory phenomenon during anodic of n-InP (100) by the CPCR model. , 2014, , .		1
32	Single-cell patterning regulation by physically modified silicon nanostructures. Analytical Methods, 2022, , .	2.7	1
33	Fabrication of the InP nanopillars. , 2010, , .		0
34	Study of SUâ€8 photoresist crossâ€linking process by atomic force acoustic microscopy. Journal of Microscopy, 2019, 276, 136-144.	1.8	0
35	Effect of triazene polymer film on the Ag micro-stripe prepared by LIIFT technology. , 2021, , .		0
36	Antimicrobial activity in vitro of flower-like Cu2O. , 2021, , .		0