

Taiping Zhang

List of Publications by Year in descending order

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21
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843
citing authors

#	ARTICLE	IF	CITATIONS
1	Random Nanofracture-Enabled Physical Unclonable Function. Advanced Materials Technologies, 2021, 6, 2001073.	5.8	13
2	Bionic optical physical unclonable functions for authentication and encryption. Journal of Materials Chemistry C, 2021, 9, 13200-13208.	5.5	23
3	Authentication of Optical Physical Unclonable Functions Based on Single-Pixel Detection. Physical Review Applied, 2021, 16, .	3.8	8
4	Critical Role of Shell in Enhanced Fluorescence of Metal-Dielectric Core-Shell Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 13365-13373.	3.1	43
5	Enhanced Directional Fluorescence via Modehybridization in Metal-Dielectric Nanoantenna. , 2020, , .		0
6	Enhanced Directional Fluorescence Emission of Randomly Oriented Emitters via a Metal-Dielectric Hybrid Nanoantenna. Journal of Physical Chemistry C, 2019, 123, 21150-21160.	3.1	27
7	Manipulate the Dipole Emission Properties Using Highly Symmetrical Nanoantenna. , 2019, , .		0
8	Highly-symmetrical plasmonic nanoantenna for fluorescence enhancement and polarization preservation of arbitrarily oriented fluorophore. Optical Materials Express, 2018, 8, 3770.	3.0	5
9	A Bamboo-Like GaN Microwire-Based Piezotronic Memristor. Advanced Functional Materials, 2016, 26, 5307-5314.	14.9	24
10	Tuning Light Emission of a Pressure-Sensitive Silicon/ZnO Nanowires Heterostructure Matrix through Piezo-phototronic Effects. ACS Nano, 2016, 10, 6074-6079.	14.6	75
11	High-Resolution Light-Emitting Diode Array Based on an Ordered ZnO Nanowire/SiGe Heterojunction. IEEE Nanotechnology Magazine, 2016, 15, 539-548.	2.0	4
12	Enhancing Light Emission of ZnO Nanofilm/Si Micropillar Heterostructure Arrays by Piezo-Phototronic Effect. Advanced Materials, 2015, 27, 4447-4453.	21.0	81
13	Enhanced emission intensity of vertical aligned flexible ZnO nanowire/p-polymer hybridized LED array by piezo-phototronic effect. Nano Energy, 2015, 14, 364-371.	16.0	92
14	High resolution light emitting diode array based on ordered ZnO nanowire/SiGe heterojunction. , 2015, , .		0
15	Wavelength-tunable infrared light emitting diode based on ordered ZnO nanowire/Si _{1-x} Ge _x alloy heterojunction. Nano Research, 2015, 8, 2676-2685.	10.4	16
16	Plasmonic coupling with most of the transition metals: a new family of broad band and near infrared nanoantennas. Nanoscale, 2015, 7, 1181-1192.	5.6	33
17	Plasmonic-photonic crystal coupled nanolaser. Nanotechnology, 2014, 25, 315201.	2.6	42
18	PLASMONIC-PHOTONIC HYBRID NANODEVICE. International Journal of Nanoscience, 2012, 11, 1240019.	0.7	3

#	ARTICLE	IF	CITATIONS
19	Plasmonic-photonic hybrid nanodevice: A new route toward 3D light harnessing. , 2011, , .		0
20	Effect of laser pulse parameters on the size and fluorescence of nanodiamonds formed upon pulsed-laser irradiation. Materials Research Bulletin, 2010, 45, 826-829.	5.2	13
21	3D light harnessing based on coupling engineering between 1D-2D photonic crystal membranes and OD photonic structures. , 2010, , .		0