

Qingguo Du

List of Publications by Year in descending order

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36
papers

593
citations

687220

13
h-index

610775

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36
all docs

36
docs citations

36
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband absorption enhancement in randomly positioned silicon nanowire arrays for solar cell applications. <i>Optics Letters</i> , 2011, 36, 1884.	1.7	82
2	Enhanced optical absorption in nanopatterned silicon thin films with a nano-cone-hole structure for photovoltaic applications. <i>Optics Letters</i> , 2011, 36, 1713.	1.7	68
3	Surface-Engineered Graphene Quantum Dots Incorporated into Polymer Layers for High Performance Organic Photovoltaics. <i>Scientific Reports</i> , 2015, 5, 14276.	1.6	56
4	Light-trapping in perovskite solar cells. <i>AIP Advances</i> , 2016, 6, .	0.6	45
5	Metal–Dielectric Hybrid Dimer Nanoantenna: Coupling between Surface Plasmons and Dielectric Resonances for Fluorescence Enhancement. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12871-12884.	1.5	45
6	Strongly linearly polarized low threshold lasing of all organic photonic quasicrystals. <i>Scientific Reports</i> , 2012, 2, 627.	1.6	28
7	A two-dimensional nanopatterned thin metallic transparent conductor with high transparency from the ultraviolet to the infrared. <i>Applied Physics Letters</i> , 2012, 101, 181112.	1.5	27
8	Enhanced Directional Fluorescence Emission of Randomly Oriented Emitters via a Metal–Dielectric Hybrid Nanoantenna. <i>Journal of Physical Chemistry C</i> , 2019, 123, 21150-21160.	1.5	27
9	Enhanced efficiency of solution-processed small-molecule solar cells upon incorporation of gold nanospheres and nanorods into organic layers. <i>Chemical Communications</i> , 2014, 50, 4451-4454.	2.2	25
10	Effect of shell thickness on small-molecule solar cells enhanced by dual plasmonic gold-silica nanorods. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	15
11	UV-blocking ZnO nanostructure anti-reflective coatings. <i>Optics Communications</i> , 2012, 285, 3238-3241.	1.0	14
12	Localized surface plasmon resonance enhanced quantum dot light-emitting diodes via quantum dot-capped gold nanoparticles. <i>RSC Advances</i> , 2014, 4, 57574-57579.	1.7	14
13	Hybrid Mushroom Nanoantenna for Fluorescence Enhancement by Matching the Stokes Shift of the Emitter. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14771-14780.	1.5	14
14	Tailoring Dispersion and Aggregation of Au Nanoparticles in the BHJ Layer of Polymer Solar Cells: Plasmon Effects versus Electrical Effects. <i>ChemSusChem</i> , 2014, 7, 3452-3458.	3.6	12
15	Lasing from organic quasicrystal fabricated by seven- and nine-beam interference. <i>Optics Express</i> , 2016, 24, 12330.	1.7	12
16	Extreme absorption enhancement in ZnTe:O/ZnO intermediate band core-shell nanowires by interplay of dielectric resonance and plasmonic bowtie nanoantennas. <i>Scientific Reports</i> , 2017, 7, 7503.	1.6	12
17	High optical transmittance of aluminum ultrathin film with hexagonal nanohole arrays as transparent electrode. <i>Optics Express</i> , 2016, 24, 4680.	1.7	11
18	Tandem solar cells efficiency prediction and optimization via deep learning. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2991-2998.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Synergistic engineering of bromine and cetyltrimethylammonium chloride molecules enabling efficient and stable flexible perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19425-19433.	5.2	9
20	Electromagnetic transmission through one-dimensional gratings with left-handed materials. <i>Physical Review B</i> , 2007, 75, .	1.1	8
21	Temperature effect on lasing from Penrose photonic quasicrystal. <i>Optical Materials Express</i> , 2014, 4, 1172.	1.6	7
22	High-sensitivity nanostructured aluminium ultrathin film sensors with spectral response from ultraviolet to near-infrared. <i>Physica Scripta</i> , 2019, 94, 055504.	1.2	7
23	Photonic quasicrystal nanopatterned silicon thin film for photovoltaic applications. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 035901.	1.0	6
24	Light absorption mechanism in organic solar cells with hexagonal lattice nanohole aluminum transparent electrodes. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 085901.	1.0	6
25	Second-harmonic generation in photonic crystals with a pair of epsilon-negative and mu-negative defects. <i>Optics Express</i> , 2009, 17, 6682.	1.7	5
26	Highly-symmetrical plasmonic nanoantenna for fluorescence enhancement and polarization preservation of arbitrarily oriented fluorophore. <i>Optical Materials Express</i> , 2018, 8, 3770.	1.6	5
27	Probing the intrinsic optical Bloch-mode emission from a 3D photonic crystal. <i>Nanotechnology</i> , 2016, 27, 415204.	1.3	4
28	Designing high efficiency asymmetric polarization converter for blue light: a deep reinforcement learning approach. <i>Optics Express</i> , 2022, 30, 10032.	1.7	4
29	Tailoring of the plasmonic and waveguide effect in bulk-heterojunction photovoltaic devices with ordered, nanopatterned structures. <i>Organic Electronics</i> , 2014, 15, 3120-3126.	1.4	3
30	Pump angle and position effects on laser emission from quasicrystal microcavity by nine-beam interference based on holographic polymer-dispersed liquid crystals. <i>Liquid Crystals</i> , 2018, 45, 415-420.	0.9	3
31	Extremely sharp transmission peak in optically thin aluminum film with hexagonal nanohole arrays. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 105002.	1.0	3
32	Design and characterization of high birefringence three suspended-cores fiber with few-mode. <i>Optik</i> , 2021, 244, 167473.	1.4	3
33	Geometrically distributed aperiodic circular photonic crystals with broad and isotropic photonic band gaps. <i>Optics Communications</i> , 2011, 284, 2239-2241.	1.0	2
34	Numerical simulation of optical refractometric sensing of multiple disease markers based on lab-in-a-fiber. <i>Optics Express</i> , 2022, 30, 20783.	1.7	1
35	Emission Characteristics of Lasing From all Organic Mirrorless Quasicrystal. <i>IEEE Photonics Journal</i> , 2016, 8, 1-6.	1.0	0
36	Control Enhancement of Dipole Emission Using Hybrid Metal-Dielectric Nanoantenna. , 2018, , .		0