

Shao-Ding Liu

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57
papers

1,282
citations

20
h-index

35
g-index

60
ext. papers

1,442
ext. citations

4.9
avg, IF

4.42
L-index

#	Paper	IF	Citations
57	Polarization-Independent Multiple Fano Resonances in Plasmonic Nonamers for Multimode-Matching Enhanced Multiband Second-Harmonic Generation. <i>ACS Nano</i> , 2016 , 10, 1442-53	16.7	111
56	Coherent exciton-plasmon interaction in the hybrid semiconductor quantum dot and metal nanoparticle complex. <i>Optics Letters</i> , 2007 , 32, 2125-7	3	109
55	Multiple Fano resonances in plasmonic heptamer clusters composed of split nanorings. <i>ACS Nano</i> , 2012 , 6, 6260-71	16.7	102
54	Pronounced Fano Resonance in Single Gold Split Nanodisks with 15 nm Split Gaps for Intensive Second Harmonic Generation. <i>ACS Nano</i> , 2016 , 10, 11105-11114	16.7	96
53	Illuminating Dark Plasmons of Silver Nanoantenna Rings to Enhance Exciton-Plasmon Interactions. <i>Advanced Functional Materials</i> , 2009 , 19, 298-303	15.6	74
52	High Sensitivity Localized Surface Plasmon Resonance Sensing Using a Double Split NanoRing Cavity. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24469-24477	3.8	71
51	High Q-factor with the excitation of anapole modes in dielectric split nanodisk arrays. <i>Optics Express</i> , 2017 , 25, 22375-22387	3.3	65
50	High sensitivity and large field enhancement of symmetry broken Au nanorings: effect of multipolar plasmon resonance and propagation. <i>Optics Express</i> , 2009 , 17, 2906-17	3.3	53
49	Fano Resonances Generated in a Single Dielectric Homogeneous Nanoparticle with High Structural Symmetry. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 4252-4260	3.8	42
48	Plasmonic-induced optical transparency in the near-infrared and visible range with double split nanoring cavity. <i>Optics Express</i> , 2011 , 19, 15363-70	3.3	40
47	Record-Low-Threshold Lasers Based on Atomically Smooth Triangular Nanoplatelet Perovskite. <i>Advanced Functional Materials</i> , 2019 , 29, 1805553	15.6	37
46	Surface plasmon propagation in a pair of metal nanowires coupled to a nanosized optical emitter. <i>Optics Letters</i> , 2008 , 33, 851-3	3	35
45	Optofluidic laser array based on stable high-Q Fabry-Pérot microcavities. <i>Lab on A Chip</i> , 2015 , 15, 3862-9	7.2	33
44	Modulating emission polarization of semiconductor quantum dots through surface plasmon of metal nanorod. <i>Applied Physics Letters</i> , 2008 , 92, 162107	3.4	33
43	Resonance Coupling between Molecular Excitons and Nonradiating Anapole Modes in Silicon Nanodisk-J-Aggregate Heterostructures. <i>ACS Photonics</i> , 2018 , 5, 1628-1639	6.3	32
42	Multipole-plasmon-enhanced faster energy transfer between semiconductor quantum dots via dual-resonance nanoantenna effects. <i>Applied Physics Letters</i> , 2010 , 96, 043106	3.4	32
41	Excitation of Multiple Fano Resonances in Plasmonic Clusters with D _{2h} Point Group Symmetry. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 14218-14228	3.8	28

40	Surface plasmons amplifications in single Ag nanoring. <i>Optics Express</i> , 2010 , 18, 4006-11	3.3	23
39	Double Fano resonances in nanoring cavity dimers: The effect of plasmon hybridization between dark subradiant modes. <i>AIP Advances</i> , 2014 , 4, 077113	1.5	21
38	Enhanced Broadband Electromagnetic Absorption in Silicon Film with Photonic Crystal Surface and Random Gold Grooves Reflector. <i>Scientific Reports</i> , 2015 , 5, 12794	4.9	20
37	Linear plasmon ruler with tunable measurement range and sensitivity. <i>Journal of Applied Physics</i> , 2010 , 108, 034313	2.5	18
36	Anticrossing double Fano resonances generated in metallic/dielectric hybrid nanostructures using nonradiative anapole modes for enhanced nonlinear optical effects. <i>Optics Express</i> , 2016 , 24, 27858-27869	3.3	18
35	Polarization state-based refractive index sensing with plasmonic nanostructures. <i>Nanoscale</i> , 2015 , 7, 20171-9	7.7	16
34	Study of Surface Plasmon Induced Hot Electron Relaxation Process and Third-Order Optical Nonlinearity in Gold Nanostructures. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27156-27161	3.8	16
33	Tuning multiple Fano resonances in plasmonic pentamer clusters. <i>Applied Physics Letters</i> , 2013 , 102, 133105	3.4	16
32	Metasurfaces Composed of Plasmonic Molecules: Hybridization Between Parallel and Orthogonal Surface Lattice Resonances. <i>Advanced Optical Materials</i> , 2020 , 8, 1901109	8.1	15
31	DNA Melting Analysis with Optofluidic Lasers Based on Fabry-Pérot Microcavity. <i>ACS Sensors</i> , 2018 , 3, 1750-1755	9.2	13
30	Efficient broadband energy absorption based on inverted-pyramid photonic crystal surface and two-dimensional randomly patterned metallic reflector. <i>Applied Energy</i> , 2016 , 172, 59-65	10.7	13
29	Radiative damping suppressing and refractive index sensing with elliptical split nanorings. <i>Applied Physics Letters</i> , 2012 , 100, 203119	3.4	12
28	Dynamic tuning of enhanced intrinsic circular dichroism in plasmonic stereo-metamolecule array with surface lattice resonance. <i>Nanophotonics</i> , 2020 , 9, 3419-3434	6.3	11
27	Ideal magnetic dipole resonances with metal-dielectric-metal hybridized nanodisks. <i>Optics Express</i> , 2019 , 27, 16143-16155	3.3	8
26	Restoring the silenced surface second-harmonic generation in split-ring resonators by magnetic and electric mode matching. <i>Optics Express</i> , 2019 , 27, 26377-26391	3.3	8
25	The spin-filter capability and spin-reversal effect of multidecker iron-borazine sandwich cluster. <i>Applied Physics Letters</i> , 2012 , 101, 102405	3.4	7
24	Silicon based solvent immersion imprint lithography for rapid polystyrene microfluidic chip prototyping. <i>Sensors and Actuators B: Chemical</i> , 2017 , 248, 311-317	8.5	6
23	Density functional theory studies of NbBenzene and NbBorazine sandwich clusters and molecular wires. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 025102	1.3	6

22	Rabi oscillation damped by exciton leakage and Auger capture in quantum dots. <i>Optics Letters</i> , 2005 , 30, 3213-5	3	6
21	Quantum interference and population swapping in single quantum dots with V-type three-level. <i>Solid State Communications</i> , 2006 , 137, 405-407	1.6	6
20	Enhancing the Brightness of Quantum Dot Light-Emitting Diodes by Multilayer Heterostructures. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-7	1.8	5
19	Sharp convex gold grooves for fluorescence enhancement in micro/nano fluidic biosensing. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 8839-8844	7.3	4
18	Influence of Excitation Pulse Width on the Second-Order Correlation Functions of the Exciton-Biexciton Emissions. <i>Chinese Physics Letters</i> , 2010 , 27, 034211	1.8	4
17	Complex probability amplitudes of three states in a V-type system with two orthogonal sub-states. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 28, 219-224	3	3
16	Generation of optofluidic laser in stable fiber Fabry-Pérot microcavities. <i>Optics Communications</i> , 2020 , 475, 126234	2	3
15	Strongly coupled evenly divided disks: a new compact and tunable platform for plasmonic Fano resonances. <i>Nanotechnology</i> , 2020 , 31, 325202	3.4	2
14	Second-harmonic generation with metal/dielectric/metal hybridized nanoantennas: enhanced efficiency, reduced mode volume and ideal magnetic/electric dipole scattering. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 215101	3	2
13	Fabrication of a Three-Dimensional Plasmon Ruler Using an Atomic Force Microscope. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 19871-19878	3.8	2
12	Structures and magnetic properties of Fe and Ni monoatomic chains encapsulated by an Au nanotube. <i>Chinese Physics B</i> , 2012 , 21, 118102	1.2	1
11	Dynamics and the statistics of three-photon cascade emissions from single semiconductor quantum dots with pulse excitation. <i>Journal of Modern Optics</i> , 2006 , 53, 2129-2135	1.1	1
10	Effect of particle on the lasing threshold of optofluidic laser based on Fabry-Pérot microcavity. <i>Optics Communications</i> , 2020 , 460, 125161	2	1
9	Nanodevices: Record-Low-Threshold Lasers Based on Atomically Smooth Triangular Nanoplatelet Perovskite (Adv. Funct. Mater. 2/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970012	15.6	1
8	The magnetic and quantum transport properties of benzene-vanadium-borazine mixed sandwich clusters: a new kind of spin filter. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 445501	1.8	0
7	Probing electron transport in plasmonic molecular junctions with two-photon luminescence spectroscopy. <i>Nanophotonics</i> , 2021 , 10, 2467-2479	6.3	0
6	Manipulation of quadratic cascading processes in a locally quasi-periodic (1D) medium. <i>Optics Express</i> , 2014 , 22, 6976-83	3.3	
5	Modified effective dielectric function for metallic granular composites with high percolation threshold. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 1766-70	1.3	

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| 4 | ANALYSIS OF CORRELATION FUNCTION AND POLARIZATION ENTANGLEMENT OF PHOTON PAIRS GENERATED FROM ANISOTROPIC SEMICONDUCTOR QUANTUM DOT. <i>International Journal of Quantum Information</i> , 2008 , 06, 959-973 | 0.8 |
| 3 | Population dynamics and photon emission statistics of the coupled semiconductor quantum dots driven by pulse field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 693-698 | 3 |
| 2 | Optical Bloch Equations Modified with Phonon-Induced Intensity-Dependent Dephasing. <i>Communications in Theoretical Physics</i> , 2007 , 48, 335-338 | 2.4 |
| 1 | Intracavity melting analysis of DNA methylation using laser emission. <i>Optics and Laser Technology</i> , 2022 , 149, 107831 | 4.2 |