Shao-Ding Liu

List of Publications by Year
in descending order

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Version: 2024-02-01

60 papers	1,592 citations	304368 22 h-index	301761 39 g-index
60 all docs	60 docs citations	60 times ranked	1966 citing authors

#	Article	IF	Citations
1	Polarization-Independent Multiple Fano Resonances in Plasmonic Nonamers for Multimode-Matching Enhanced Multiband Second-Harmonic Generation. ACS Nano, 2016, 10, 1442-1453.	7.3	140
2	Coherent exciton-plasmon interaction in the hybrid semiconductor quantum dot and metal nanoparticle complex. Optics Letters, 2007, 32, 2125.	1.7	126
3	Pronounced Fano Resonance in Single Gold Split Nanodisks with 15 nm Split Gaps for Intensive Second Harmonic Generation. ACS Nano, 2016, 10, 11105-11114.	7.3	126
4	Multiple Fano Resonances in Plasmonic Heptamer Clusters Composed of Split Nanorings. ACS Nano, 2012, 6, 6260-6271.	7.3	111
5	High Q-factor with the excitation of anapole modes in dielectric split nanodisk arrays. Optics Express, 2017, 25, 22375.	1.7	91
6	Illuminating Dark Plasmons of Silver Nanoantenna Rings to Enhance Excitonâ€“Plasmon Interactions. Advanced Functional Materials, 2009, 19, 298-303.	7.8	84
7	High Sensitivity Localized Surface Plasmon Resonance Sensing Using a Double Split NanoRing Cavity. Journal of Physical Chemistry C, 2011, 115, 24469-24477.	1.5	80
8	Resonance Coupling between Molecular Excitons and Nonradiating Anapole Modes in Silicon Nanodisk-J-Aggregate Heterostructures. ACS Photonics, 2018, 5, 1628-1639.	3.2	56
9	High sensitivity and large field enhancement of symmetry broken Au nanorings: effect of multipolar plasmon resonance and propagation. Optics Express, 2009, 17, 2906.	1.7	54
10	Recordâ€Lowâ€Threshold Lasers Based on Atomically Smooth Triangular Nanoplatelet Perovskite. Advanced Functional Materials, 2019, 29, 1805553.	7.8	52
11	Fano Resonances Generated in a Single Dielectric Homogeneous Nanoparticle with High Structural Symmetry. Journal of Physical Chemistry C, 2015, 119, 4252-4260.	1.5	48
12	Optofluidic laser array based on stable high-Q Fabryâ€“PÃ©rot microcavities. Lab on A Chip, 2015, 15, 3862-3869.	3.1	44
13	Plasmonic-induced optical transparency in the near-infrared and visible range with double split nanoring cavity. Optics Express, 2011, 19, 15363.	1.7	43
14	Surface plasmon propagation in a pair of metal nanowires coupled to a nanosized optical emitter. Optics Letters, 2008, 33, 851.	1.7	38
15	Modulating emission polarization of semiconductor quantum dots through surface plasmon of metal nanorod. Applied Physics Letters, 2008, 92, 162107.	1.5	36
16	Multipole-plasmon-enhanced fÃ¶rster energy transfer between semiconductor quantum dots via dual-resonance nanoantenna effects. Applied Physics Letters, 2010, 96, 043106.	1.5	35
17	Excitation of Multiple Fano Resonances in Plasmonic Clusters withD2hPoint Group Symmetry. Journal of Physical Chemistry C, 2013, 117, 14218-14228.	1.5	29
18	Surface plasmons amplifications in single Ag nanoring. Optics Express, 2010, 18, 4006.	1.7	26

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19	Double Fano resonances in nanoring cavity dimers: The effect of plasmon hybridization between dark subradiant modes. AIP Advances, 2014, 4, .	0.6	26
20	Metasurfaces Composed of Plasmonic Molecules: Hybridization Between Parallel and Orthogonal Surface Lattice Resonances. Advanced Optical Materials, 2020, 8, 1901109.	3.6	26
21	Dynamic tuning of enhanced intrinsic circular dichroism in plasmonic stereo-metamolecule array with surface lattice resonance. Nanophotonics, 2020, 9, 3419-3434.	2.9	26
22	Anticrossing double Fano resonances generated in metallic/dielectric hybrid nanostructures using nonradiative anapole modes for enhanced nonlinear optical effects. Optics Express, 2016, 24, 27858.	1.7	23
23	Enhanced Broadband Electromagnetic Absorption in Silicon Film with Photonic Crystal Surface and Random Gold Grooves Reflector. Scientific Reports, 2015, 5, 12794.	1.6	22
24	Polarization state-based refractive index sensing with plasmonic nanostructures. Nanoscale, 2015, 7, 20171-20179.	2.8	21
25	DNA Melting Analysis with Optofluidic Lasers Based on Fabry-PÃ©rot Microcavity. ACS Sensors, 2018, 3, 1750-1755.	4.0	21
26	Linear plasmon ruler with tunable measurement range and sensitivity. Journal of Applied Physics, 2010, 108, 034313.	1.1	19
27	Tuning multiple Fano resonances in plasmonic pentamer clusters. Applied Physics Letters, 2013, 102, 133105.	1.5	19
28	Study of Surface Plasmon Induced Hot Electron Relaxation Process and Third-Order Optical Nonlinearity in Gold Nanostructures. Journal of Physical Chemistry C, 2015, 119, 27156-27161.	1.5	18
29	Efficient broadband energy absorption based on inverted-pyramid photonic crystal surface and two-dimensional randomly patterned metallic reflector. Applied Energy, 2016, 172, 59-65.	5.1	15
30	Ideal magnetic dipole resonances with metal-dielectric-metal hybridized nanodisks. Optics Express, 2019, 27, 16143.	1.7	14
31	Radiative damping suppressing and refractive index sensing with elliptical split nanorings. Applied Physics Letters, 2012, 100, .	1.5	12
32	Restoring the silenced surface second-harmonic generation in split-ring resonators by magnetic and electric mode matching. Optics Express, 2019, 27, 26377.	1.7	12
33	Enhancing the Brightness of Quantum Dot Light-Emitting Diodes by Multilayer Heterostructures. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	11
34	Sharp convex gold grooves for fluorescence enhancement in micro/nano fluidic biosensing. Journal of Materials Chemistry B, 2017, 5, 8839-8844.	2.9	9
35	Quantum interference and population swapping in single quantum dots with V-type three-level. Solid State Communications, 2006, 137, 405-407.	0.9	8
36	Rabi oscillation damped by exciton leakage and Auger capture in quantum dots. Optics Letters, 2005, 30, 3213.	1.7	7

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37	The spin-filter capability and spin-reversal effect of multidecker iron-borazine sandwich cluster. Applied Physics Letters, 2012, 101, 102405.	1.5	7
38	Density functional theory studies of Nbâ€“benzene and Nbâ€“borazine sandwich clusters and molecular wires. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 025102.	0.6	6
39	Silicon based solvent immersion imprint lithography for rapid polystyrene microfluidic chip prototyping. Sensors and Actuators B: Chemical, 2017, 248, 311-317.	4.0	6
40	Generation of optofluidic laser in stable fiber Fabryâ€“PÃ©rot microcavities. Optics Communications, 2020, 475, 126234.	1.0	6
41	Hybridized magnetic lattice resonances for narrowband perfect absorption. Optics and Laser Technology, 2022, 156, 108460.	2.2	6
42	Two-Photon Absorption and Photoluminescence of Individual CsPbBr₃ Nanocrystal Superlattices. Journal of Physical Chemistry C, 2022, 126, 8400-8407.	1.5	5
43	Influence of Excitation Pulse Width on the Second-Order Correlation Functions of the Exciton-Biexciton Emissions. Chinese Physics Letters, 2010, 27, 034211.	1.3	4
44	Fabrication of a Three-Dimensional Plasmon Ruler Using an Atomic Force Microscope. Journal of Physical Chemistry C, 2019, 123, 19871-19878.	1.5	4
45	Effect of particle on the lasing threshold of optofluidic laser based on Fabryâ€“PÃ©rot microcavity. Optics Communications, 2020, 460, 125161.	1.0	4
46	Complex probability amplitudes of three states in a V-type system with two orthogonal sub-states. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 28, 219-224.	1.3	3
47	Second-harmonic generation with metal/dielectric/metal hybridized nanoantennas: enhanced efficiency, reduced mode volume and ideal magnetic/electric dipole scattering. Journal Physics D: Applied Physics, 2020, 53, 215101.	1.3	3
48	Probing electron transport in plasmonic molecular junctions with two-photon luminescence spectroscopy. Nanophotonics, 2021, 10, 2467-2479.	2.9	3
49	The magnetic and quantum transport properties of benzeneâ€“vanadiumâ€“borazine mixed sandwich clusters: a new kind of spin filter. Journal of Physics Condensed Matter, 2012, 24, 445501.	0.7	2
50	Strongly coupled evenly divided disks: a new compact and tunable platform for plasmonic Fano resonances. Nanotechnology, 2020, 31, 325202.	1.3	2
51	Dynamics and the statistics of three-photon cascade emissions from single semiconductor quantum dots with pulse excitation. Journal of Modern Optics, 2006, 53, 2129-2135.	0.6	1
52	Structures and magnetic properties of Fe and Ni monoatomic chains encapsulated by an Au nanotube. Chinese Physics B, 2012, 21, 118102.	0.7	1
53	Nanodevices: Record-Low-Threshold Lasers Based on Atomically Smooth Triangular Nanoplatelet Perovskite (Adv. Funct. Mater. 2/2019). Advanced Functional Materials, 2019, 29, 1970012.	7.8	1
54	Optical Bloch Equations Modified with Phonon-Induced Intensity-Dependent Dephasing. Communications in Theoretical Physics, 2007, 48, 335-338.	1.1	0

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55	Population dynamics and photon emission statistics of the coupled semiconductor quantum dots driven by pulse field. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 693-698.	1.3	0
56	ANALYSIS OF CORRELATION FUNCTION AND POLARIZATION ENTANGLEMENT OF PHOTON PAIRS GENERATED FROM ANISOTROPIC SEMICONDUCTOR QUANTUM DOT. International Journal of Quantum Information, 2008, 06, 959-973.	0.6	0
57	Modified Effective Dielectric Function for Metallic Granular Composites with High Percolation Threshold. Journal of Nanoscience and Nanotechnology, 2010, 10, 1766-1770.	0.9	0
58	Manipulation of quadratic cascading processes in a locally quasi-periodic Ï‡^(2) medium. Optics Express, 2014, 22, 6976.	1.7	0
59	Enhancing the brightness of quantum dot light emitting diodes by multilayer hetero-structures. , 2015, , .		0
60	Intracavity melting analysis of DNA methylation using laser emission. Optics and Laser Technology, 2022, 149, 107831.	2.2	0