Li Yu

List of Publications by Year in descending order

54 papers	1,767 citations	331259 21 h-index	276539 41 g-index
55 all docs	55 docs citations	55 times ranked	1967 citing authors

#	Article	IF	Citations
1	Highly tunable directional optical antennas with large local angular chiroptical effects. Journal of Applied Physics, 2022, 131, 033103.	1.1	0
2	Ultra-unidirectional Emission with Enhanced Spectral Splitting Based on Plasmonic Nano-pillars and its Metasurface. Plasmonics, 2022, 17, 1463-1469.	1.8	1
3	Loaded Slot Cavity Induced Sensing Enhancement and Transparency Based on Plasmonic Structure. IEEE Sensors Journal, 2022, 22, 14044-14050.	2.4	5
4	Optical Chirality in a Strong Coupling System with Surface Plasmons Polaritons and Chiral Emitters. ACS Photonics, 2021, 8, 901-906.	3.2	17
5	Strong Lightâ€“Matter Interactions in Chiral Plasmonicâ€“Excitonic Systems Assembled on DNA Origami. Nano Letters, 2021, 21, 3573-3580.	4.5	38
6	A Semiclassical Model for Plasmon-Exciton Interaction From Weak to Strong Coupling Regime. IEEE Photonics Journal, 2021, 13, 1-10.	1.0	0
7	Dynamic Control of Quantum Emitters Strongly Coupled to the Isolated Plasmon Cavity by the Microfluidic Device. Journal of Physical Chemistry C, 2021, 125, 17303-17310.	1.5	3
8	Diverse axial chiral assemblies of J-aggregates in plexcitonic nanoparticles. Nanoscale, 2021, 13, 15812-15818.	2.8	4
9	Plexcitonic Optical Chirality: Strong Excitonâ€“Plasmon Coupling in Chiral J-Aggregate-Metal Nanoparticle Complexes. ACS Nano, 2021, 15, 2292-2300.	7.3	38
10	On-chip unidirectional micro-nano-light sources based on multi-mode cesium lead halide perovskite nanowires. Applied Physics Letters, 2021, 119, .	1.5	2
11	Strong plasmonâ€“exciton coupling in bimetallic nanorings and nanocuboids. Journal of Materials Chemistry C, 2020, 8, 7672-7678.	2.7	14
12	Shape Complementarity Modulated Self-Assembly of Nanoring and Nanosphere Hetero-nanostructures. Journal of the American Chemical Society, 2020, 142, 11680-11684.	6.6	26
13	Tunable tilt of the field induced by anisotropic material in a plasmonic waveguide and its application to logic gates. Optics Communications, 2019, 452, 334-341.	1.0	2
14	Bidirectional to unidirectional emission of fluorescence controlled by optical traveling wave antennas. Nanophotonics, 2019, 8, 1271-1278.	2.9	6
15	Efficient Polarization Beam Splitter Based on All-Dielectric Metasurface in Visible Region. Nanoscale Research Letters, 2019, 14, 34.	3.1	38
16	Strong Coupling between a Quasi-single Molecule and a Plasmonic Cavity in the Trapping System. Nanoscale Research Letters, 2019, 14, 74.	3.1	9
17	Anisotropic-Material-Induced Rotation of Field Distribution in Circular Plasmonic Resonator. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	2
18	Broadband Ultrathin Transmission Quarter Waveplate with Rectangular Hole Array Based on Plasmonic Resonances. Nanoscale Research Letters, 2019, 14, 384.	3.1	9

#	Article	IF	Citations
19	Directional Modulation of Fluorescence by Nanowireâ€Based Optical Traveling Wave Antennas. Advanced Optical Materials, 2019, 7, 1801362.	3.6	13
20	Independently Tunable Ultrasharp Double Fano Resonances in Coupled Plasmonic Resonator System. IEEE Photonics Journal, 2018, 10, 1-9.	1.0	28
21	Directional Optical Travelling Wave Antenna Based on Surface Plasmon Transmission Line. Laser and Photonics Reviews, 2018, 12, 1700073.	4.4	7
22	Multifunctional logic gates based on silicon hybrid plasmonic waveguides. Modern Physics Letters B, 2018, 32, 1850008.	1.0	21
23	Independently Formed Multiple Fano Resonances for Ultra-High Sensitivity Plasmonic Nanosensor. Plasmonics, 2018, 13, 107-113.	1.8	24
24	Strong Coupling in the Structure of Single Metallic Nanoparticle Partially Buried in Molecular J-Aggregates. Plasmonics, 2018, 13, 743-747.	1.8	4
25	Design of a Tunable Ultra-Broadband Terahertz Absorber Based on Multiple Layers of Graphene Ribbons. Nanoscale Research Letters, 2018, 13, 143.	3.1	98
26	Optically Active Plasmonic Metasurfaces based on the Hybridization of In-Plane Coupling and Out-of-Plane Coupling. Nanoscale Research Letters, 2018, 13, 144.	3.1	2
27	Numerical study of a wide-angle polarization-independent ultra-broadband efficient selective metamaterial absorber for near-ideal solar thermal energy conversion. RSC Advances, 2018, 8, 21054-21064.	1.7	35
28	Infrared Plasmonic Refractive Index Sensor with Ultra-High Figure of Merit Based on the Optimized All-Metal Grating. Nanoscale Research Letters, 2017, 12, 1.	3.1	626
29	Polarization-dependent plasmon mode mapping of Ag nanowires based on two-photon excitation fluorescence of quantum dots. Applied Physics Letters, 2017, 110, 153107.	1.5	0
30	Plasmonic metamaterial for electromagnetically induced transparency analogue and ultra-high figure of merit sensor. Scientific Reports, 2017, 7, 45210.	1.6	53
31	Tunable Multi-Fano Resonances in MDM-Based Side-Coupled Resonator System and its Application in Nanosensor. Plasmonics, 2017, 12, 1665-1672.	1.8	24
32	Ultrasmall Mode Volumes of Multilayered Hyperbolic Metamaterial Nanocavities in the Visible Range. IEEE Photonics Journal, 2017, 9, 1-9.	1.0	0
33	Active Control of Slow Light in a Gain-Assisted Plasmon-Induced Transparency Structure. IEEE Photonics Journal, 2017, 9, 1-9.	1.0	1
34	Bi-Directional Faraday Rotation Selective Enhancement on Embedded Nano-Gratings. IEEE Photonics Technology Letters, 2017, 29, 1615-1618.	1.3	0
35	Numerical Study of the Wideâ€angle Polarizationâ€Independent Ultraâ€Broadband Efficient Selective Solar Absorber in the Entire Solar Spectrum. Solar Rrl, 2017, 1, 1700049.	3.1	32
36	Ultra-narrow Band Perfect Absorber and Its Application as Plasmonic Sensor in the Visible Region. Nanoscale Research Letters, 2017, 12, 427.	3.1	84

#	Article	IF	Citations
37	Ultra-high Sensitivity Plasmonic Nanosensor Based on Multiple Fano Resonance in the MDM Side-Coupled Cavities. Plasmonics, 2017, 12, 1099-1105.	1.8	18
38	Multiple Fano Resonances Based on Plasmonic Resonator System With End-Coupled Cavities for High-Performance Nanosensor. IEEE Photonics Journal, 2017, 9, 1-9.	1.0	26
39	Fano resonances based on multimode and degenerate mode interference in plasmonic resonator system. Optics Express, 2017, 25, 3525.	1.7	108
40	Numerical Study of an Efficient Solar Absorber Consisting of Metal Nanoparticles. Nanoscale Research Letters, 2017, 12, 601.	3.1	12
41	Ultrasharp Fano Resonances Based on the Circular Cavity Optimized by a Metallic Nanodisk. IEEE Photonics Journal, 2016, 8, 1-8.	1.0	17
42	Tunable triple Fano resonances based on multimode interference in coupled plasmonic resonator system. Optics Express, 2016, 24, 15351.	1.7	63
43	Research on transmission characteristics of side-coupled rectangular-ring resonator. Modern Physics Letters B, 2016, 30, 1650374.	1.0	1
44	Side-Coupled Cavity-Induced Fano Resonance and Its Application in Nanosensor. Plasmonics, 2016, 11, 307-313.	1.8	27
45	Sharp Asymmetric Line Shapes in a Plasmonic Waveguide System and its Application in Nanosensor. Journal of Lightwave Technology, 2015, 33, 3250-3253.	2.7	65
46	Spectral Splitting Based on Electromagnetically Induced Transparency in Plasmonic Waveguide Resonator System. Plasmonics, 2015, 10, 721-727.	1.8	56
47	Sharp Trapped Resonances by Exciting the Anti-symmetric Waveguide Mode in a Metal-Insulator-Metal Resonator. Plasmonics, 2015, 10, 131-137.	1.8	62
48	Optical bistability based on surface plasmon coupled between two noble metal films involving Kerr materials. Science China: Physics, Mechanics and Astronomy, 2013, 56, 680-684.	2.0	2
49	Polarization Splitter with Optical Bistability in Metal Gap Waveguide Nanocavities. Plasmonics, 2013, 8, 943-947.	1.8	22
50	Tunable beam focusing based on optical bistability with a composite Kretschmann configuration involving a Kerr medium. Journal of Modern Optics, 2013, 60, 1588-1592.	0.6	0
51	Tunable narrow band filter based on a surface plasmon polaritons Bragg grating with a metalâ€“insulatorâ€“metal waveguide. Journal of Modern Optics, 2013, 60, 1217-1222.	0.6	4
52	Optical bistability of surface plasmon polaritons in nonlinear Kretschmann configuration. Journal of Modern Optics, 2013, 60, 190-196.	0.6	13
53	Enhanced transmission through periodic arrays of sub-wavelength holes with different media. Journal of Modern Optics, 2013, 60, 551-555.	0.6	0
54	Effect of ridge morphologies on surface plasmon scattering by subwavelength surface ridges. Journal of Modern Optics, 2013, 60, 350-354.	0.6	2