

Li Yu

List of Publications by Year in descending order

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54
papers

1,767
citations

331259

21
h-index

276539

41
g-index

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all docs

55
docs citations

55
times ranked

1967
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared Plasmonic Refractive Index Sensor with Ultra-High Figure of Merit Based on the Optimized All-Metal Grating. <i>Nanoscale Research Letters</i> , 2017, 12, 1.	3.1	626
2	Fano resonances based on multimode and degenerate mode interference in plasmonic resonator system. <i>Optics Express</i> , 2017, 25, 3525.	1.7	108
3	Design of a Tunable Ultra-Broadband Terahertz Absorber Based on Multiple Layers of Graphene Ribbons. <i>Nanoscale Research Letters</i> , 2018, 13, 143.	3.1	98
4	Ultra-narrow Band Perfect Absorber and Its Application as Plasmonic Sensor in the Visible Region. <i>Nanoscale Research Letters</i> , 2017, 12, 427.	3.1	84
5	Sharp Asymmetric Line Shapes in a Plasmonic Waveguide System and its Application in Nanosensor. <i>Journal of Lightwave Technology</i> , 2015, 33, 3250-3253.	2.7	65
6	Tunable triple Fano resonances based on multimode interference in coupled plasmonic resonator system. <i>Optics Express</i> , 2016, 24, 15351.	1.7	63
7	Sharp Trapped Resonances by Exciting the Anti-symmetric Waveguide Mode in a Metal-Insulator-Metal Resonator. <i>Plasmonics</i> , 2015, 10, 131-137.	1.8	62
8	Spectral Splitting Based on Electromagnetically Induced Transparency in Plasmonic Waveguide Resonator System. <i>Plasmonics</i> , 2015, 10, 721-727.	1.8	56
9	Plasmonic metamaterial for electromagnetically induced transparency analogue and ultra-high figure of merit sensor. <i>Scientific Reports</i> , 2017, 7, 45210.	1.6	53
10	Efficient Polarization Beam Splitter Based on All-Dielectric Metasurface in Visible Region. <i>Nanoscale Research Letters</i> , 2019, 14, 34.	3.1	38
11	Strong Light-Matter Interactions in Chiral Plasmonic-Excitonic Systems Assembled on DNA Origami. <i>Nano Letters</i> , 2021, 21, 3573-3580.	4.5	38
12	Plexcitonic Optical Chirality: Strong Exciton-Plasmon Coupling in Chiral J-Aggregate-Metal Nanoparticle Complexes. <i>ACS Nano</i> , 2021, 15, 2292-2300.	7.3	38
13	Numerical study of a wide-angle polarization-independent ultra-broadband efficient selective metamaterial absorber for near-ideal solar thermal energy conversion. <i>RSC Advances</i> , 2018, 8, 21054-21064.	1.7	35
14	Numerical Study of the Wide-Angle Polarization-Independent Ultra-Broadband Efficient Selective Solar Absorber in the Entire Solar Spectrum. <i>Solar Rrl</i> , 2017, 1, 1700049.	3.1	32
15	Independently Tunable Ultrasharp Double Fano Resonances in Coupled Plasmonic Resonator System. <i>IEEE Photonics Journal</i> , 2018, 10, 1-9.	1.0	28
16	Side-Coupled Cavity-Induced Fano Resonance and Its Application in Nanosensor. <i>Plasmonics</i> , 2016, 11, 307-313.	1.8	27
17	Multiple Fano Resonances Based on Plasmonic Resonator System With End-Coupled Cavities for High-Performance Nanosensor. <i>IEEE Photonics Journal</i> , 2017, 9, 1-9.	1.0	26
18	Shape Complementarity Modulated Self-Assembly of Nanoring and Nanosphere Hetero-nanostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 11680-11684.	6.6	26

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19	Tunable Multi-Fano Resonances in MDM-Based Side-Coupled Resonator System and its Application in Nanosensor. <i>Plasmonics</i> , 2017, 12, 1665-1672.	1.8	24
20	Independently Formed Multiple Fano Resonances for Ultra-High Sensitivity Plasmonic Nanosensor. <i>Plasmonics</i> , 2018, 13, 107-113.	1.8	24
21	Polarization Splitter with Optical Bistability in Metal Gap Waveguide Nanocavities. <i>Plasmonics</i> , 2013, 8, 943-947.	1.8	22
22	Multifunctional logic gates based on silicon hybrid plasmonic waveguides. <i>Modern Physics Letters B</i> , 2018, 32, 1850008.	1.0	21
23	Ultra-high Sensitivity Plasmonic Nanosensor Based on Multiple Fano Resonance in the MDM Side-Coupled Cavities. <i>Plasmonics</i> , 2017, 12, 1099-1105.	1.8	18
24	Ultrasharp Fano Resonances Based on the Circular Cavity Optimized by a Metallic Nanodisk. <i>IEEE Photonics Journal</i> , 2016, 8, 1-8.	1.0	17
25	Optical Chirality in a Strong Coupling System with Surface Plasmons Polaritons and Chiral Emitters. <i>ACS Photonics</i> , 2021, 8, 901-906.	3.2	17
26	Strong plasmon-exciton coupling in bimetallic nanorings and nanocuboids. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7672-7678.	2.7	14
27	Optical bistability of surface plasmon polaritons in nonlinear Kretschmann configuration. <i>Journal of Modern Optics</i> , 2013, 60, 190-196.	0.6	13
28	Directional Modulation of Fluorescence by Nanowire-Based Optical Traveling Wave Antennas. <i>Advanced Optical Materials</i> , 2019, 7, 1801362.	3.6	13
29	Numerical Study of an Efficient Solar Absorber Consisting of Metal Nanoparticles. <i>Nanoscale Research Letters</i> , 2017, 12, 601.	3.1	12
30	Strong Coupling between a Quasi-single Molecule and a Plasmonic Cavity in the Trapping System. <i>Nanoscale Research Letters</i> , 2019, 14, 74.	3.1	9
31	Broadband Ultrathin Transmission Quarter Waveplate with Rectangular Hole Array Based on Plasmonic Resonances. <i>Nanoscale Research Letters</i> , 2019, 14, 384.	3.1	9
32	Directional Optical Travelling Wave Antenna Based on Surface Plasmon Transmission Line. <i>Laser and Photonics Reviews</i> , 2018, 12, 1700073.	4.4	7
33	Bidirectional to unidirectional emission of fluorescence controlled by optical traveling wave antennas. <i>Nanophotonics</i> , 2019, 8, 1271-1278.	2.9	6
34	Loaded Slot Cavity Induced Sensing Enhancement and Transparency Based on Plasmonic Structure. <i>IEEE Sensors Journal</i> , 2022, 22, 14044-14050.	2.4	5
35	Tunable narrow band filter based on a surface plasmon polaritons Bragg grating with a metal-insulator-metal waveguide. <i>Journal of Modern Optics</i> , 2013, 60, 1217-1222.	0.6	4
36	Strong Coupling in the Structure of Single Metallic Nanoparticle Partially Buried in Molecular J-Aggregates. <i>Plasmonics</i> , 2018, 13, 743-747.	1.8	4

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37	Diverse axial chiral assemblies of J-aggregates in plexcitonic nanoparticles. <i>Nanoscale</i> , 2021, 13, 15812-15818.	2.8	4
38	Dynamic Control of Quantum Emitters Strongly Coupled to the Isolated Plasmon Cavity by the Microfluidic Device. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17303-17310.	1.5	3
39	Optical bistability based on surface plasmon coupled between two noble metal films involving Kerr materials. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 680-684.	2.0	2
40	Effect of ridge morphologies on surface plasmon scattering by subwavelength surface ridges. <i>Journal of Modern Optics</i> , 2013, 60, 350-354.	0.6	2
41	Optically Active Plasmonic Metasurfaces based on the Hybridization of In-Plane Coupling and Out-of-Plane Coupling. <i>Nanoscale Research Letters</i> , 2018, 13, 144.	3.1	2
42	Tunable tilt of the field induced by anisotropic material in a plasmonic waveguide and its application to logic gates. <i>Optics Communications</i> , 2019, 452, 334-341.	1.0	2
43	Anisotropic-Material-Induced Rotation of Field Distribution in Circular Plasmonic Resonator. <i>IEEE Photonics Journal</i> , 2019, 11, 1-9.	1.0	2
44	On-chip unidirectional micro-nano-light sources based on multi-mode cesium lead halide perovskite nanowires. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	2
45	Research on transmission characteristics of side-coupled rectangular-ring resonator. <i>Modern Physics Letters B</i> , 2016, 30, 1650374.	1.0	1
46	Active Control of Slow Light in a Gain-Assisted Plasmon-Induced Transparency Structure. <i>IEEE Photonics Journal</i> , 2017, 9, 1-9.	1.0	1
47	Ultra-unidirectional Emission with Enhanced Spectral Splitting Based on Plasmonic Nano-pillars and its Metasurface. <i>Plasmonics</i> , 2022, 17, 1463-1469.	1.8	1
48	Tunable beam focusing based on optical bistability with a composite Kretschmann configuration involving a Kerr medium. <i>Journal of Modern Optics</i> , 2013, 60, 1588-1592.	0.6	0
49	Enhanced transmission through periodic arrays of sub-wavelength holes with different media. <i>Journal of Modern Optics</i> , 2013, 60, 551-555.	0.6	0
50	Polarization-dependent plasmon mode mapping of Ag nanowires based on two-photon excitation fluorescence of quantum dots. <i>Applied Physics Letters</i> , 2017, 110, 153107.	1.5	0
51	Ultrasmall Mode Volumes of Multilayered Hyperbolic Metamaterial Nanocavities in the Visible Range. <i>IEEE Photonics Journal</i> , 2017, 9, 1-9.	1.0	0
52	Bi-Directional Faraday Rotation Selective Enhancement on Embedded Nano-Gratings. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 1615-1618.	1.3	0
53	A Semiclassical Model for Plasmon-Exciton Interaction From Weak to Strong Coupling Regime. <i>IEEE Photonics Journal</i> , 2021, 13, 1-10.	1.0	0
54	Highly tunable directional optical antennas with large local angular chiroptical effects. <i>Journal of Applied Physics</i> , 2022, 131, 033103.	1.1	0