

Zhuo Chen

List of Publications by Year in descending order

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42
times ranked

960
citing authors

#	ARTICLE	IF	CITATIONS
1	Gap-plasmon based broadband absorbers for enhanced hot-electron and photocurrent generation. Scientific Reports, 2016, 6, 30650.	3.3	55
2	Chromatic Dispersion Manipulation Based on Metalenses. Advanced Materials, 2020, 32, e1904935.	21.0	46
3	Broadband zero-backward and near-zero-forward scattering by metallo-dielectric core-shell nanoparticles. Scientific Reports, 2015, 5, 12491.	3.3	44
4	Plasmon mediated visible light photocurrent and photoelectrochemical hydrogen generation using Au nanoparticles/TiO ₂ electrode. Materials Research Bulletin, 2014, 50, 31-35.	5.2	37
5	Low threshold spaser based on deep-subwavelength spherical hyperbolic metamaterial cavities. Applied Physics Letters, 2017, 110, .	3.3	29
6	Optical lattices with higher-order exceptional points by non-Hermitian coupling. Applied Physics Letters, 2018, 113, .	3.3	28
7	Double Fano resonances in an individual metallic nanostructure for high sensing sensitivity. Nanotechnology, 2017, 28, 475203.	2.6	26
8	Strong tunable absorption enhancement in graphene using dielectric-metal core-shell resonators. Scientific Reports, 2017, 7, 32.	3.3	25
9	Released Plasmonic Electric Field of Ultrathin Tetrahedral-Amorphous-Carbon Films Coated Ag Nanoparticles for SERS. Scientific Reports, 2015, 4, 4494.	3.3	21
10	Experimental observation of sharp cavity plasmon resonances in dielectric-metal core-shell resonators. Applied Physics Letters, 2015, 107, .	3.3	20
11	Excitation and tuning of Fano-like cavity plasmon resonances in dielectric-metal core-shell resonators. Nanoscale, 2016, 8, 10358-10363.	5.6	20
12	Humidity sensor and ultraviolet photodetector based on carrier trapping effect and negative photoconductivity in graphene quantum dots. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	17
13	Engineered second-harmonic diffraction from highly transmissive metasurfaces composed of complementary split-ring resonators. Optics Letters, 2016, 41, 2938.	3.3	16
14	Strong coupling between few molecular excitons and Fano-like cavity plasmon in two-layered dielectric-metal core-shell resonators. Optics Express, 2017, 25, 1495.	3.4	16
15	Coexistence of negative photoconductivity and hysteresis in semiconducting graphene. AIP Advances, 2016, 6, .	1.3	14
16	Polarization Generation and Manipulation Based on Nonlinear Plasmonic Metasurfaces. Advanced Optical Materials, 2019, 7, 1801747.	7.3	12
17	Second harmonic generation enhancement from a nonlinear nanocrystal integrated hyperbolic metamaterial cavity. Optics Express, 2017, 25, 21342.	3.4	11
18	UV-visible photocurrent enhancement using metal-semiconductor-metal with symmetric and asymmetric double Schottky barriers. Nanoscale, 2018, 10, 12848-12854.	5.6	10

#	ARTICLE	IF	CITATIONS
19	Symmetric and anti-symmetric magnetic resonances in double-triangle nanoparticle arrays fabricated via angle-resolved nanosphere lithography. <i>AIP Advances</i> , 2011, 1, .	1.3	9
20	Effect of gap width on enhanced magnetic optical fields in metallic split ring resonators. <i>AIP Advances</i> , 2012, 2, .	1.3	9
21	Controlling third harmonic generation with gammadion-shaped chiral metamaterials. <i>AIP Advances</i> , 2016, 6, .	1.3	8
22	Robust Plasmonic Fano Resonances in ĩ€-Shaped Nanostructures. <i>Plasmonics</i> , 2015, 10, 1159-1166.	3.4	7
23	Boosting figures of merit of cavity plasmon resonance based refractive index sensing in dielectric-metal core-shell resonators. <i>Optics Express</i> , 2016, 24, 19895.	3.4	7
24	Bottom-up fabrication approaches to novel plasmonic materials. <i>Science Bulletin</i> , 2010, 55, 2600-2607.	1.7	6
25	Near-field plasmonic coupling for enhanced nonlinear absorption by femtosecond pulses in bowtie nanoantenna arrays. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 1841-1848.	2.3	6
26	Shaping the fluorescence emission by cavity plasmons in dielectric-metal core-shell resonators. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	6
27	Unconventional Fano effect based spectrally selective absorption enhancement in graphene using plasmonic core-shell nanostructures. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	6
28	Continuous phase control of second harmonic generation from metasurfaces composed of complementary split ring resonators. <i>Optics Express</i> , 2017, 25, 28363.	3.4	6
29	Ultralarge Rabi splitting and broadband strong coupling in a spherical hyperbolic metamaterial cavity. <i>Photonics Research</i> , 2021, 9, 829.	7.0	6
30	Ultranarrow and Tunable Fano Resonance in Ag Nanoshells and a Simple Ag Nanomatryushka. <i>Nanomaterials</i> , 2021, 11, 2039.	4.1	6
31	Dielectric-loading approach for extra electric field enhancement and spatially transferring plasmonic hot-spots. <i>Nanotechnology</i> , 2021, 32, 035205.	2.6	6
32	Enhanced second-harmonic generation from gold complementary split-ring resonators with a dielectric coating. <i>Optics Express</i> , 2021, 29, 15269.	3.4	5
33	Multiple Sharp Fano Resonances in a Deep-Subwavelength Spherical Hyperbolic Metamaterial Cavity. <i>Nanomaterials</i> , 2021, 11, 2301.	4.1	5
34	Dual plasmonic nanostructures for switching polarity of hot electron-induced photocurrent. <i>Nanoscale</i> , 2020, 12, 14668-14675.	5.6	4
35	Pure Electric and Pure Magnetic Resonances in Near-Infrared Metal Double-Triangle Metamaterial Arrays. <i>Chinese Physics Letters</i> , 2011, 28, 057302.	3.3	3
36	Comparative studies on the quality factors of whispering gallery modes and hybrid plasmon photon modes. <i>Optics Express</i> , 2017, 25, 9295.	3.4	2

#	ARTICLE	IF	CITATIONS
37	Generation of unconventional Fano-comb resonances in multilayered core-shell nanoparticles. <i>Nanotechnology</i> , 2019, 30, 375401.	2.6	2
38	Rapid fabrication of high-quality bare silica monolayer and multilayers at the water/air interface. <i>Results in Physics</i> , 2020, 19, 103404.	4.1	2
39	Enhanced Tuning Performance of In-Series REC-DFB Laser Array. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 1337-1340.	2.5	2
40	Shaping the photoluminescence from gold nanoshells by cavity plasmons in dielectric-metal core-shell resonators. <i>AIP Advances</i> , 2016, 6, 085216.	1.3	1
41	Dielectric loading method for doubly resonant enhancement of third-harmonic generation from complementary split-ring resonators. <i>Nanotechnology</i> , 2022, 33, 225204.	2.6	0
42	Nanoscale Al ₂ O ₃ Core with Ag Shell-Based Ultranarrow and Symmetric Cavity Plasmons for a Sub-nm Spectral Shift and Radius Differential Resolution Measurements. <i>ACS Applied Nano Materials</i> , 2022, 5, 8196-8204.	5.0	0