

Zhuo Chen

List of Publications by Year in descending order

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42
papers

561
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623734

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42
times ranked

960
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Ultralarge Rabi splitting and broadband strong coupling in a spherical hyperbolic metamaterial cavity. <i>Photonics Research</i> , 2021, 9, 829.	7.0	6
4	Enhanced second-harmonic generation from gold complementary split-ring resonators with a dielectric coating. <i>Optics Express</i> , 2021, 29, 15269.	3.4	5
5	Ultranarrow and Tunable Fano Resonance in Ag Nanoshells and a Simple Ag Nanomatryushka. <i>Nanomaterials</i> , 2021, 11, 2039.	4.1	6
6	Multiple Sharp Fano Resonances in a Deep-Subwavelength Spherical Hyperbolic Metamaterial Cavity. <i>Nanomaterials</i> , 2021, 11, 2301.	4.1	5
7	Dielectric-loading approach for extra electric field enhancement and spatially transferring plasmonic hot-spots. <i>Nanotechnology</i> , 2021, 32, 035205.	2.6	6
8	Enhanced Tuning Performance of In-Series REC-DFB Laser Array. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 1337-1340.	2.5	2
9	Chromatic Dispersion Manipulation Based on Metalenses. <i>Advanced Materials</i> , 2020, 32, e1904935.	21.0	46
10	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
11	Dual plasmonic nanostructures for switching polarity of hot electron-induced photocurrent. <i>Nanoscale</i> , 2020, 12, 14668-14675.	5.6	4
12	Generation of unconventional Fano-comb resonances in multilayered core-shell nanoparticles. <i>Nanotechnology</i> , 2019, 30, 375401.	2.6	2
13	Polarization Generation and Manipulation Based on Nonlinear Plasmonic Metasurfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1801747.	7.3	12
14	Humidity sensor and ultraviolet photodetector based on carrier trapping effect and negative photoconductivity in graphene quantum dots. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	5.1	17
15	Optical lattices with higher-order exceptional points by non-Hermitian coupling. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	28
16	UV-visible photocurrent enhancement using metal-semiconductor-metal with symmetric and asymmetric double Schottky barriers. <i>Nanoscale</i> , 2018, 10, 12848-12854.	5.6	10
17	Low threshold spaser based on deep-subwavelength spherical hyperbolic metamaterial cavities. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	29
18	Strong tunable absorption enhancement in graphene using dielectric-metal core-shell resonators. <i>Scientific Reports</i> , 2017, 7, 32.	3.3	25

#	ARTICLE	IF	CITATIONS
19	Double Fano resonances in an individual metallic nanostructure for high sensing sensitivity. Nanotechnology, 2017, 28, 475203.	2.6	26
20	Comparative studies on the quality factors of whispering gallery modes and hybrid plasmon photon modes. Optics Express, 2017, 25, 9295.	3.4	2
21	Second harmonic generation enhancement from a nonlinear nanocrystal integrated hyperbolic metamaterial cavity. Optics Express, 2017, 25, 21342.	3.4	11
22	Continuous phase control of second harmonic generation from metasurfaces composed of complementary split ring resonators. Optics Express, 2017, 25, 28363.	3.4	6
23	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
24	Shaping the photoluminescence from gold nanoshells by cavity plasmons in dielectric-metal core-shell resonators. AIP Advances, 2016, 6, 085216.	1.3	1
25	Controlling third harmonic generation with gammadion-shaped chiral metamaterials. AIP Advances, 2016, 6, .	1.3	8
26	Unconventional Fano effect based spectrally selective absorption enhancement in graphene using plasmonic core-shell nanostructures. Applied Physics Letters, 2016, 109, .	3.3	6
27	Coexistence of negative photoconductivity and hysteresis in semiconducting graphene. AIP Advances, 2016, 6, .	1.3	14
28	Excitation and tuning of Fano-like cavity plasmon resonances in dielectric-metal core-shell resonators. Nanoscale, 2016, 8, 10358-10363.	5.6	20
29	Boosting figures of merit of cavity plasmon resonance based refractive index sensing in dielectric-metal core-shell resonators. Optics Express, 2016, 24, 19895.	3.4	7
30	Engineered second-harmonic diffraction from highly transmissive metasurfaces composed of complementary split-ring resonators. Optics Letters, 2016, 41, 2938.	3.3	16
31	Gap-plasmon based broadband absorbers for enhanced hot-electron and photocurrent generation. Scientific Reports, 2016, 6, 30650.	3.3	55
32	Experimental observation of sharp cavity plasmon resonances in dielectric-metal core-shell resonators. Applied Physics Letters, 2015, 107, .	3.3	20
33	Broadband zero-backward and near-zero-forward scattering by metallo-dielectric core-shell nanoparticles. Scientific Reports, 2015, 5, 12491.	3.3	44
34	Shaping the fluorescence emission by cavity plasmons in dielectric-metal core-shell resonators. Applied Physics Letters, 2015, 107, .	3.3	6
35	Robust Plasmonic Fano Resonances in Îƒ-Shaped Nanostructures. Plasmonics, 2015, 10, 1159-1166.	3.4	7
36	Released Plasmonic Electric Field of Ultrathin Tetrahedral-Amorphous-Carbon Films Coated Ag Nanoparticles for SERS. Scientific Reports, 2015, 4, 4494.	3.3	21

#	ARTICLE	IF	CITATIONS
37	Near-field plasmonic coupling for enhanced nonlinear absorption by femtosecond pulses in bowtie nanoantenna arrays. Applied Physics A: Materials Science and Processing, 2014, 117, 1841-1848.	2.3	6
38	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
39	Effect of gap width on enhanced magnetic optical fields in metallic split ring resonators. AIP Advances, 2012, 2, .	1.3	9
40	Symmetric and anti-symmetric magnetic resonances in double-triangle nanoparticle arrays fabricated via angle-resolved nanosphere lithography. AIP Advances, 2011, 1, .	1.3	9
41	Pure Electric and Pure Magnetic Resonances in Near-Infrared Metal Double-Triangle Metamaterial Arrays. Chinese Physics Letters, 2011, 28, 057302.	3.3	3
42	Bottom-up fabrication approaches to novel plasmonic materials. Science Bulletin, 2010, 55, 2600-2607.	1.7	6