

Cheng-ping Huang

List of Publications by Year in descending order

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77
papers

1,214
citations

516561

16
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414303

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77
all docs

77
docs citations

77
times ranked

1384
citing authors

#	ARTICLE	IF	CITATIONS
1	Transparent absorber composed of two stacked ultrathin metal films perforated with small holes. Optics Express, 2022, 30, 22922.	1.7	1
2	Highly-efficient wavefront bending with a single-layer perforated metasurface. Journal of Optics (United Kingdom), 2021, 23, 025103.	1.0	0
3	Composite optical interference in non-unitary and unitary beam-splitter systems. Journal of Optics (India), 2021, 50, 495-501.	0.8	1
4	Single-layer graphene optical modulator based on arrayed hybrid plasmonic nanowires. Optics Express, 2021, 29, 30104.	1.7	7
5	Magnetic excitation of high-Q resonance with split-ring resonators. Engineering Research Express, 2021, 3, 045034.	0.8	0
6	Polarization Interference and Modulation in the Low-Frequency Range. Physical Review Applied, 2021, 16, .	1.5	0
7	Metasurfaces for de Broglie waves. Physical Review B, 2021, 104, .	1.1	3
8	Dual functionality of a single-layer metasurface: polarization rotator and polarizer. Journal of Optics (United Kingdom), 2020, 22, 035101.	1.0	11
9	Realizing the Multiband Absorption in the Visible Region via the Collaboration of Fabry-Pérot, Propagating Surface Plasmons, and Void Plasmons Resonance Effects. Physica Status Solidi (B): Basic Research, 2020, 257, 1900327.	0.7	1
10	A planar metamaterial based on metallic rectangular-ring pair for narrow electromagnetically induced transparency-like effect. Journal of Applied Physics, 2020, 128, 065105.	1.1	5
11	Excitation and Dynamic Tuning of High-Q Resonances with Electromagnetic Coupling Asymmetry. Physical Review Applied, 2020, 14, .	1.5	5
12	Interference-type plasmonic polarizers and generalized law of Malus. Journal of Optics (United Kingdom), 2020, 22, 035101.	1.0	4
13	Improved Performance of Silicon Nanowire-Based Solar Cells with Diallyl Disulfide Passivation. Journal of Physical Chemistry C, 2019, 123, 4664-4673.	1.5	9
14	Omnidirectional Absorber by the Void Plasmon Effect in the Visible Region with Greatly Enhanced Localized Electric Field. Nanoscale Research Letters, 2019, 14, 46.	3.1	6
15	Greatly enhanced electric field by the improved metal-insulator-metal structure in the visible region. Nanotechnology, 2019, 30, 32LT01.	1.3	0
16	Trapped-mode resonances in all-metallic metasurfaces comprising rectangular-hole dimers with broken symmetry. Journal of Applied Physics, 2019, 126, .	1.1	10
17	Arbitrarily Directional and Tunable Polarization Rotating Effect with Coupled Metal Screens. Physical Review Applied, 2018, 10, .	1.5	6
18	High-Efficiency Wide-Band Cross-Polarization Conversion Using Bi-layered Metal Hole Pairs. Chinese Physics Letters, 2018, 35, 104204.	1.3	1

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19	Transmissive and efficient 90° polarization rotation with a single-layer plasmonic structure. Applied Physics Express, 2017, 10, 112201.	1.1	9
20	Wide-Band and High-Efficiency 90° Polarization Rotator Based on Tri-Layered Perforated Metal Films. Journal of Lightwave Technology, 2017, 35, 4817-4823.	2.7	15
21	From Ewald sphere to Ewald shell in nonlinear optics. Scientific Reports, 2016, 6, 29365.	1.6	4
22	Anomalous diffraction in super-wavelength plasmonic metasurfaces. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 3949-3955.	0.9	4
23	Super Diffraction in a Single-Layer Metasurface. Journal of Lightwave Technology, 2016, 34, 3312-3316.	2.7	9
24	Efficient and broadband polarization conversion with the coupled metasurfaces. Optics Express, 2015, 23, 32015.	1.7	18
25	Note: Vibration energy harvesting based on a round acoustic fence. Review of Scientific Instruments, 2015, 86, 076101.	0.6	2
26	Enhancing spoof surface-plasmons with gradient metasurfaces. Scientific Reports, 2015, 5, 8772.	1.6	36
27	Ultra-broadband and strongly enhanced diffraction with metasurfaces. Scientific Reports, 2015, 5, 10119.	1.6	26
28	Sound energy harvesting using an acoustic grating. Journal of Applied Physics, 2015, 117, .	1.1	14
29	Deep subwavelength Fabry-Perot resonances. EPJ Applied Metamaterials, 2014, 1, 2.	0.8	10
30	Break Through the Limitation of Malus' Law with Plasmonic Polarizers. Advanced Optical Materials, 2014, 2, 723-728.	3.6	40
31	Enhanced absorption and optical force in a sandwiched grating at the terahertz band. Europhysics Letters, 2013, 102, 34001.	0.7	4
32	Decreased cutoff wavelength of a rectangular hole dimer in a metal. Journal of Optics (United Kingdom), 2012, 15, 110101.	1.0	1
33	Optical properties of a periodic array of slit-groove. Journal of Applied Physics, 2012, 111, 034316.	1.1	1
34	Second-harmonic generation in a periodically poled congruent LiTaO3 sample with phase-tuned nonlinear Cherenkov radiation. Applied Physics Letters, 2012, 100, 022905.	1.5	15
35	Magnetolectrically coupled polariton excitation in a plasmonic crystal composed of nanorod dimers. Journal of Physics Condensed Matter, 2012, 24, 265501.	0.7	1
36	Enhanced electromagnetic pressure in a sandwiched reflection grating. Physical Review B, 2012, 86, .	1.1	14

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37	Plasmon coupling in circular-hole dimers: From separation- to touching-coupling regimes. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	11
38	Piezoelectric superlattice: From piezoelectric to Huang-Kun-like equations. <i>AIP Advances</i> , 2012, 2, 042117.	0.6	9
39	Polarization-tunable polariton excitation in a compound plasmonic crystal. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	4
40	Deep subwavelength Fabry-Perot-like resonances in a sandwiched reflection grating. <i>Physical Review B</i> , 2012, 85, .	1.1	23
41	Hybrid of surface plasmon polaritons and waveguide resonances through double-layer metallic gratings. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 587.	0.9	13
42	Fano-like resonance due to plasmon excitation in linear chains of metal bumps. <i>Optics Express</i> , 2011, 19, 10485.	1.7	8
43	Optical properties of a planar metamaterial with chiral symmetry breaking. <i>Optics Letters</i> , 2011, 36, 3359.	1.7	34
44	Dual Channels of Transmission Using Rectangular Hole Dimers. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24621-24626.	1.5	12
45	Enhanced third harmonic generation by introducing quasi-phase mismatches due to electro-optic effect. <i>Laser Physics</i> , 2011, 21, 954-957.	0.6	1
46	Electromagnetic interaction in stacked split ring resonator arrays. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 215303.	0.7	4
47	Optical resonances in a composite asymmetric plasmonic nanostructure. <i>Journal of Applied Physics</i> , 2011, 109, 114310.	1.1	16
48	Simultaneous harmonic generation and polarization control in an optical superlattice. <i>Applied Physics B: Lasers and Optics</i> , 2010, 99, 673-677.	1.1	5
49	Theory of extraordinary light transmission through sub-wavelength circular hole arrays. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 015004.	1.0	7
50	Phase-like resonance behavior in optical transmission of sandwich coaxial square ring arrays. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	8
51	Enhanced optical transmission through metal-dielectric multilayer gratings. <i>Applied Physics Letters</i> , 2010, 97, 011905.	1.5	22
52	Optical switching of a metamaterial by temperature controlling. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	106
53	Interactions of Nanorod Particles in the Strong Coupling Regime. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21123-21131.	1.5	36
54	Optical properties of a metal film perforated with coaxial elliptical hole arrays. <i>Physical Review E</i> , 2010, 81, 057601.	0.8	13

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55	Long-Wavelength Optical Properties of a Plasmonic Crystal. <i>Physical Review Letters</i> , 2010, 104, 016402.	2.9	36
56	Splitting of transmission peak due to the hole symmetry breaking. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	13
57	Transmission resonance in a composite plasmonic structure. <i>Physical Review B</i> , 2009, 79, .	1.1	15
58	Phonon polaritons in a nonaxial aligned piezoelectric superlattice. <i>Journal of Applied Physics</i> , 2009, 105, 074102.	1.1	3
59	Novel optical transmission property of metal-dielectric multilayered structure. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 225406.	1.3	7
60	Study of plasmon resonance in a gold nanorod with an LC circuit model. <i>Optics Express</i> , 2009, 17, 6407.	1.7	64
61	Light transmission through Fibonacci and periodic sub-wavelength slit arrays. <i>Journal of Optics</i> , 2008, 10, 075202.	1.5	10
62	Light reflection from a metal surface with subwavelength cavities. <i>Applied Physics Letters</i> , 2008, 93, 081917.	1.5	7
63	Cutoff effect of light transmission through structured metal films. <i>Applied Physics Letters</i> , 2008, 92, 191914.	1.5	1
64	Optical transmission through gold film with Archimedean-like subwavelength hole arrays. <i>Journal of Applied Physics</i> , 2007, 101, 073505.	1.1	9
65	Dual effect of surface plasmons in light transmission through perforated metal films. <i>Physical Review B</i> , 2007, 75, .	1.1	45
66	Extraordinary Acoustic Transmission through a 1D Grating with Very Narrow Apertures. <i>Physical Review Letters</i> , 2007, 99, 174301.	2.9	242
67	Plasmonics: Manipulating Light at the Subwavelength Scale. <i>Active and Passive Electronic Components</i> , 2007, 2007, 1-13.	0.3	19
68	Variable-temperature Raman scattering and X-ray diffraction studies of Bi _{3.25} Nd _{0.75} Ti ₃ O ₁₂ ceramics. <i>Solid State Communications</i> , 2006, 138, 229-233.	0.9	5
69	Suppression of transmission minima and maxima with structured metal surface. <i>Applied Physics Letters</i> , 2006, 89, 221121.	1.5	12
70	Cascaded frequency doubling and electro-optic coupling in a single optical superlattice. <i>Applied Physics B: Lasers and Optics</i> , 2005, 80, 741-744.	1.1	16
71	Third harmonic generation in a periodic structure with simultaneous linear and nonlinear modulation. <i>Physica Status Solidi (B): Basic Research</i> , 2005, 242, 1694-1699.	0.7	2
72	Piezoelectric-Induced Polariton Coupling in a Superlattice. <i>Physical Review Letters</i> , 2005, 94, 117401.	2.9	24

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73	Effect of electro-optic modulation on coupled quasi-phase-matched frequency conversion. Applied Optics, 2005, 44, 4980.	2.1	8
74	Enhanced optical transmission through metal films with rotation-symmetrical hole arrays. Applied Physics Letters, 2005, 87, 091105.	1.5	48
75	Generation of three primary colours with a 1064 nm pump wave in a single optical superlattice. Journal of Physics Condensed Matter, 2003, 15, 4651-4655.	0.7	0
76	Generation of three primary colours through coupled quasi-phase-matched processes. Journal of Physics Condensed Matter, 2002, 14, 13899-13904.	0.7	2
77	Trapped mode resonances in symmetric rectangular-hole tetramers. Journal Physics D: Applied Physics, 0, , .	1.3	1