Jiangwei Chen

List of Publications by Year
in descending order

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31 papers	162 citations	1307594 7 h-index	1281871 11 g-index
31 all docs	31 docs citations	31 times ranked	88 citing authors

#	Article	IF	Citations
1	On expression of Doppler frequency shift in material medium and related theories. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 40.	2.1	3
2	Analysis on energy density difference between linearly and circularly polarized electromagnetic waves. European Physical Journal Plus, 2022, 137, 1.	2.6	2
3	Derivation of expression of time-averaged stored energy density of electromagnetic waves. Applied Physics B: Lasers and Optics, 2022, 128, .	2.2	1
4	A possible way to experimentally examine validity of the expressions of dissipated energy density. Optik, 2021, 242, 165756.	2.9	1
5	Low-microwave-permeability metamaterials formed by millimeter-sized metal coils. Indian Journal of Physics, 2020, 94, 1183-1188.	1.8	0
6	Enhancing the Linearity and Stability of a Fabric-Based Strain Sensor with Microfolded Graphene Structures. Applied Sciences (Switzerland), 2020, 10, 6230.	2.5	7
7	Stored energy density of electromagnetic wave in dispersive media. Optik, 2020, 206, 163999.	2.9	3
8	Expressions of stored and dissipated energy densities. Optik, 2020, 207, 163493.	2.9	10
9	Possible solution of Abrahamâ€“Minkowski controversy by generalizing the principle of invariance of light speed. Journal of Optics (India), 2020, 49, 127-131.	1.7	6
10	Anomalous reflection of electromagnetic wave from an active medium with zero-real-part-of-impedance. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	1
11	Microwave Absorbing Properties of Flaky Carbonyl Iron Powder Prepared by Rod Milling Method. Journal of Electronic Materials, 2019, 48, 2495-2500.	2.2	17
12	A new type of coherent electromagnetic radiation source based on interference effect between forward and backward waves in an active metamaterial slab. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	1
13	Spin-valve magnetoresistance in single-phase Îµ-Fe2â^¼3N film. Science China Information Sciences, 2019, 62, 1.	4.3	0
14	Electromagnetic and absorbing properties of the composites based on iron, cobalt, B and rare earth Nd. Journal of Materials Science: Materials in Electronics, 2019, 30, 401-405.	2.2	4
15	Steady bound electromagnetic eigenstate arises in a homogeneous isotropic linear metamaterial with zero-real-part-of-impedance and nonzero-imaginary-part-of-wave-vector. Optics Communications, 2018, 413, 167-171.	2.1	6
16	Fabrication and microwave absorption properties of the flaky carbonyl iron/FeSiAl composite in S-band. Journal of Materials Science: Materials in Electronics, 2018, 29, 4711-4716.	2.2	18
17	Significant effects of cross term of Poynting vector on an electromagnetic wave propagation through a slab with low real part of impedance. European Physical Journal D, 2017, 71, 1.	1.3	6
18	Study of all-angle negative refraction of light in metalâ€“dielectricâ€“metal multilayered structures based on generalized formulas of reflection and refraction. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	0

#	Article	IF	Citations
19	Permanent storage of light in a double-slab structure. Optics Communications, 2017, 402, 502-506.	2.1	4
20	The handedness and classification of materials. Optik, 2015, 126, 4960-4963.	2.9	1
21	Theoretical study of visible light refraction phenomena occurring at noble metalâ€“air interfaces. Optical Materials, 2015, 46, 276-281.	3.6	5
22	Stopping light in an active medium. European Physical Journal D, 2015, 69, 1.	1.3	14
23	Theoretical predictions and experimental suggestions for refraction behaviors occurring at lossy interfaces. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1955.	2.1	2
24	Effects of non-synchronized variations of electric and magnetic properties on transmitted waves at lossy interface. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 138, 50-59.	2.3	7
25	A bilayer-graphene-flake-based terahertz switch. Physica Status Solidi (B): Basic Research, 2013, 250, 1878-1882.	1.5	2
26	Determining energy flow propagation direction of transmitted wave at an active mediumâ€“vacuum interface. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 119, 155-161.	2.3	4
27	Effects of losses on energy flow propagation direction of transmitted waves at a lossy interface. Journal of Modern Optics, 2013, 60, 488-495.	1.3	5
28	Generalized laws of reflection and refraction from real valued boundary conditions. Optics Communications, 2011, 284, 3802-3807.	2.1	15
29	Unique properties of microwave in interlayer exchange-coupled trilayer ferromagnetic films associated with negative imaginary part of permeability. Journal of Magnetism and Magnetic Materials, 2009, 321, 2139-2144.	2.3	5
30	Electron transport properties of incommensurate double-walled carbon nanotubes. Chemical Physics Letters, 2004, 400, 384-388.	2.6	11
31	On definition of energy flow velocity of electromagnetic waves: a new way to address Abrahamâ€“Minkowski controversy. Journal of Optics (India), 0, , 1.	1.7	1