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	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
2	Microwave Absorbing Properties of Flaky Carbonyl Iron Powder Prepared by Rod Milling Method. Journal of Electronic Materials, 2019, 48, 2495-2500.	2.2	17
3	Generalized laws of reflection and refraction from real valued boundary conditions. Optics Communications, 2011, 284, 3802-3807.	2.1	15
4	Stopping light in an active medium. European Physical Journal D, 2015, 69, 1.	1.3	14
5	Electron transport properties of incommensurate double-walled carbon nanotubes. Chemical Physics Letters, 2004, 400, 384-388.	2.6	11
6	Expressions of stored and dissipated energy densities. Optik, 2020, 207, 163493.	2.9	10
7	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
8	Enhancing the Linearity and Stability of a Fabric-Based Strain Sensor with Microfolded Graphene Structures. Applied Sciences (Switzerland), 2020, 10, 6230.	2.5	7
9	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
10	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
11	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
12	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
13	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
14	Theoretical study of visible light refraction phenomena occurring at noble metalâ€“air interfaces. Optical Materials, 2015, 46, 276-281.	3.6	5
15	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
16	Permanent storage of light in a double-slab structure. Optics Communications, 2017, 402, 502-506.	2.1	4
17	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
18	Stored energy density of electromagnetic wave in dispersive media. Optik, 2020, 206, 163999.	2.9	3

#	Article	IF	Citations
19	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
20	A bilayer-graphene-flake-based terahertz switch. Physica Status Solidi (B): Basic Research, 2013, 250, 1878-1882.	1.5	2
21	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
22	Analysis on energy density difference between linearly and circularly polarized electromagnetic waves. European Physical Journal Plus, 2022, 137, 1.	2.6	2
23	The handedness and classification of materials. Optik, 2015, 126, 4960-4963.	2.9	1
24	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
25	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
26	A possible way to experimentally examine validity of the expressions of dissipated energy density. Optik, 2021, 242, 165756.	2.9	1
27	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
28	Derivation of expression of time-averaged stored energy density of electromagnetic waves. Applied Physics B: Lasers and Optics, 2022, 128, .	2.2	1
29	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
30	Spin-valve magnetoresistance in single-phase Îµ-Fe2â^¼3N film. Science China Information Sciences, 2019, 62, 1.	4.3	0
31	Low-microwave-permeability metamaterials formed by millimeter-sized metal coils. Indian Journal of Physics, 2020, 94, 1183-1188.	1.8	0