

Linfang Shen

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,421
citations

361413

20
h-index

330143

37
g-index

52
all docs

52
docs citations

52
times ranked

1110
citing authors

#	ARTICLE	IF	CITATIONS
1	Breaking Lorentz reciprocity to overcome the time-bandwidth limit in physics and engineering. Science, 2017, 356, 1260-1264.	12.6	174
2	Finite-Size Effects of a Left-Handed Material Slab on the Image Quality. Physical Review Letters, 2004, 92, 107404.	7.8	129
3	Terahertz surface plasmon polaritons on periodically corrugated metal surfaces. Optics Express, 2008, 16, 3326.	3.4	128
4	Design of two-dimensional photonic crystals with large absolute band gaps using a genetic algorithm. Physical Review B, 2003, 68, .	3.2	113
5	Simultaneous realization of high sensing sensitivity and tunability in plasmonic nanostructures arrays. Scientific Reports, 2017, 7, 16817.	3.3	60
6	Backscattering-immune one-way surface magnetoplasmons at terahertz frequencies. Optics Express, 2015, 23, 950.	3.4	57
7	Wedge mode of spoof surface plasmon polaritons at terahertz frequencies. Journal of Applied Physics, 2010, 108, 113104.	2.5	52
8	One-way edge mode in a gyromagnetic photonic crystal slab. Optics Letters, 2012, 37, 4110.	3.3	52
9	Differential microstrip lines with reduced crosstalk and common mode effect based on spoof surface plasmon polaritons. Optics Express, 2014, 22, 26777.	3.4	49
10	50 $\hat{\cdot}$ 50 beam splitter using a one-dimensional metal photonic crystal with parabolalike dispersion. Applied Physics Letters, 2007, 90, 251909.	3.3	48
11	Effect of absorption on terahertz surface plasmon polaritons propagating along periodically corrugated metal wires. Physical Review B, 2008, 77, .	3.2	47
12	STUDIES OF TERAHERTZ WAVE PROPAGATION IN REALISTIC REENTRY PLASMA SHEATH. Progress in Electromagnetics Research, 2016, 157, 21-29.	4.4	39
13	Impact of Reentry Speed on the Transmission of Obliquely Incident THz Waves in Realistic Plasma Sheaths. IEEE Transactions on Plasma Science, 2018, 46, 373-378.	1.3	38
14	Effect of internal period on the optical dispersion of indefinite-medium materials. Physical Review B, 2008, 77, .	3.2	37
15	Stability and quality factor of a one-dimensional subwavelength cavity resonator containing a left-handed material. Physical Review B, 2004, 69, .	3.2	31
16	Studies on the transmission of sub-THz waves in magnetized inhomogeneous plasma sheath. Physics of Plasmas, 2018, 25, .	1.9	29
17	Large absolute band gaps in two-dimensional photonic crystals formed by large dielectric pixels. Physical Review B, 2002, 66, .	3.2	28
18	Subwavelength guiding of channel plasmon polaritons by textured metallic grooves at telecom wavelengths. Applied Physics Letters, 2013, 102, 031606.	3.3	24

#	ARTICLE	IF	CITATIONS
19	Stopping terahertz radiation without backscattering over a broad band. <i>Optics Express</i> , 2015, 23, 11790.	3.4	24
20	Highly-Confined Guiding of Terahertz Waves Along Subwavelength Grooves. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1343-1345.	2.5	22
21	Guiding Terahertz Waves by a Single Row of Periodic Holes on a Planar Metal Surface. <i>Plasmonics</i> , 2011, 6, 301-305.	3.4	20
22	Terahertz surface plasmon polaritons in textured metal surfaces formed by square arrays of metallic pillars. <i>Optics Communications</i> , 2012, 285, 2076-2080.	2.1	20
23	Broadband one-way propagation and rainbow trapping of terahertz radiations. <i>Optics Express</i> , 2019, 27, 10659.	3.4	19
24	Sub-THz signalsâ€™ propagation model in hypersonic plasma sheath under different atmospheric conditions. <i>Science China Information Sciences</i> , 2017, 60, 1.	4.3	17
25	One-way regular electromagnetic mode immune to backscattering. <i>Applied Optics</i> , 2015, 54, 4608.	1.8	16
26	Complete trapping of electromagnetic radiation using surface magnetoplasmons. <i>Optics Letters</i> , 2015, 40, 1853.	3.3	15
27	Nonreciprocal cavities and the time-bandwidth limit: comment. <i>Optica</i> , 2020, 7, 1097.	9.3	12
28	Superlens formed by a one-dimensional dielectric photonic crystal. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 391.	2.1	11
29	Highâ€directivity radiation based on the leaky mode of spoof surface plasmon polaritons. <i>IET Microwaves, Antennas and Propagation</i> , 2014, 8, 1075-1079.	1.4	10
30	One-Way Electromagnetic Mode Guided by the Mechanism of Total Internal Reflection. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 133-136.	2.5	10
31	One-way edge modes in a photonic crystal of semiconductor at terahertz frequencies. <i>Scientific Reports</i> , 2018, 8, 8165.	3.3	8
32	Unidirectional-propagating surface magnetoplasmon based on remanence and its application for subwavelength isolators. <i>Optical Materials Express</i> , 2019, 9, 2415.	3.0	8
33	Anisotropic medium with parabolic dispersion. <i>Applied Physics Letters</i> , 2008, 92, 261905.	3.3	7
34	Interaction Between Two One-Way Waveguides. <i>IEEE Journal of Quantum Electronics</i> , 2012, 48, 1059-1064.	1.9	6
35	High-efficiency tunable T-shaped beam splitter based on one-way waveguide. <i>Journal of Optics (United Kingdom)</i> 11, 0784314, 2010.	2.2	6
36	Magnetic field assisted beam-scanning leaky-wave antenna utilizing one-way waveguide. <i>Scientific Reports</i> , 2019, 9, 16777.	3.3	6

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37	Ultra-subwavelength focusing and giant magnetic-field enhancement in a low-loss one-way waveguide based on remanence. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 025003.	2.2	6
38	Time-reversed lasing based on one-dimensional gratings. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 299-302.	2.1	5
39	Channel Plasmon Polaritons Guiding by a Partial-Dielectric-Loaded Metallic Groove. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 2265-2267.	2.5	4
40	Completely stopping microwaves with extremely enhanced magnetic fields. <i>Scientific Reports</i> , 2018, 8, 15811.	3.3	4
41	Equivalent circuit parameters of planar transmission lines with spoof surface plasmon polaritons and its application in high density circuits. <i>Scientific Reports</i> , 2019, 9, 18853.	3.3	4
42	Large-area unidirectional surface magnetoplasmons using uniaxial $\hat{\epsilon}$ -near-zero material. <i>Optics Letters</i> , 2021, 46, 5978.	3.3	4
43	Subwavelength guiding of channel plasmon polaritons in a semiconductor at terahertz frequencies. <i>Applied Optics</i> , 2014, 53, 5896.	1.8	3
44	One-Way Propagation and Complete Trapping of Terahertz Radiations in All-Dielectric Systems. <i>Plasmonics</i> , 2017, 12, 399-404.	3.4	3
45	Mechanically scanned leaky-wave antenna based on a topological one-way waveguide. <i>Frontiers of Physics</i> , 2020, 15, 1.	5.0	3
46	Ultrawideband unidirectional surface magnetoplasmons based on remanence for the microwave region. <i>Optical Materials Express</i> , 2021, 11, 2335.	3.0	3
47	Robust one-way modes in photonic crystals without an external magnetic field. <i>Optical Materials Express</i> , 2021, 11, 3896.	3.0	3
48	Terahertz Plasmonic Microcavity with High Quality Factor and Ultrasmall Mode Volume. <i>Plasmonics</i> , 2013, 8, 319-324.	3.4	2
49	One-way electromagnetic mode at the surface of a magnetized gyromagnetic medium. <i>Electronic Materials Letters</i> , 2014, 10, 969-973.	2.2	2
50	One-way edge modes in truncated semiconductor photonic crystal at terahertz frequencies. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 065802.	2.2	2
51	Blue-shifted contra-directional coupling between a periodic and conventional dielectric waveguides. <i>Optics Express</i> , 2010, 18, 9341.	3.4	1
52	Space-wave isolator based on remanence at microwave frequencies. <i>Optik</i> , 2021, 227, 165531.	2.9	0