

Jin Hui Shi

List of Publications by Year in descending order

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119
papers

2,670
citations

201674

27
h-index

197818

49
g-index

120
all docs

120
docs citations

120
times ranked

2501
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-band asymmetric transmission of linear polarization in bilayered chiral metamaterial. Applied Physics Letters, 2013, 102, .	3.3	213
2	Ultrathin dual-band surface plasmonic polariton waveguide and frequency splitter in microwave frequencies. Applied Physics Letters, 2013, 102, .	3.3	166
3	Hybrid metamaterial switching for manipulating chirality based on VO ₂ phase transition. Scientific Reports, 2016, 6, 23186.	3.3	161
4	Broadband chirality and asymmetric transmission in ultrathin 90°-twisted Babinet-inverted metasurfaces. Physical Review B, 2014, 89, .	3.2	124
5	THz photonics in two dimensional materials and metamaterials: properties, devices and prospects. Journal of Materials Chemistry C, 2018, 6, 1291-1306.	5.5	124
6	Single-pixel computational ghost imaging with helicity-dependent metasurface hologram. Science Advances, 2017, 3, e1701477.	10.3	112
7	Coherent control of Snell's law at metasurfaces. Optics Express, 2014, 22, 21051.	3.4	84
8	Optically controlled background-free terahertz switching in chiral metamaterial. Optics Letters, 2014, 39, 3066.	3.3	71
9	All-optical graphene-oxide humidity sensor based on a side-polished symmetrical twin-core fiber Michelson interferometer. Sensors and Actuators B: Chemical, 2019, 284, 623-627.	7.8	70
10	Multiband stereometamaterial-based polarization spectral filter. Physical Review B, 2012, 86, .	3.2	59
11	Coherent control of optical polarization effects in metamaterials. Scientific Reports, 2015, 5, 8977.	3.3	54
12	Mutual conversion and asymmetric transmission of linearly polarized light in bilayered chiral metamaterial. Optics Express, 2014, 22, 25679.	3.4	52
13	Highly-dispersive electromagnetic induced transparency in planar symmetric metamaterials. Optics Express, 2012, 20, 17581.	3.4	51
14	Selective coherent perfect absorption in metamaterials. Applied Physics Letters, 2014, 105, .	3.3	50
15	High sensitivity humidity sensor based on gelatin coated side-polished in-fiber directional coupler. Sensors and Actuators B: Chemical, 2020, 305, 127555.	7.8	50
16	Tunable symmetric and asymmetric resonances in an asymmetrical split-ring metamaterial. Journal of Applied Physics, 2012, 112, .	2.5	48
17	Switchable dual-band to broadband terahertz metamaterial absorber incorporating a VO ₂ phase transition. Optics Express, 2021, 29, 5437.	3.4	46
18	Coherent control of birefringence and optical activity. Applied Physics Letters, 2014, 105, .	3.3	45

#	ARTICLE	IF	CITATIONS
19	Dual-band dichroic asymmetric transmission of linearly polarized waves in terahertz chiral metamaterial. <i>Nanophotonics</i> , 2020, 9, 3235-3242.	6.0	44
20	Long period fiber grating and high sensitivity refractive index sensor based on hollow eccentric optical fiber. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 768-771.	7.8	43
21	Dual-band spoof surface plasmon polaritons based on composite-periodic gratings. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 505104.	2.8	40
22	Dual-polarity metamaterial circular polarizer based on giant extrinsic chirality. <i>Scientific Reports</i> , 2015, 5, 16666.	3.3	39
23	Asymmetric transmission of linearly polarized waves in terahertz chiral metamaterials. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	38
24	Ideal type-II Weyl points in topological circuits. <i>National Science Review</i> , 2021, 8, nwaa192.	9.5	34
25	High-efficiency Huygens's TM metasurface for terahertz wave manipulation. <i>Optics Letters</i> , 2019, 44, 3482.	3.3	33
26	Fiber Bragg grating sensors in hollow single- and two-core eccentric fibers. <i>Optics Express</i> , 2017, 25, 144.	3.4	29
27	Tunable chiroptical response of graphene achiral metamaterials in mid-infrared regime. <i>Optics Express</i> , 2019, 27, 15359.	3.4	29
28	Active beam manipulation and convolution operation in VO ₂ -integrated coding terahertz metasurfaces. <i>Optics Letters</i> , 2022, 47, 441.	3.3	29
29	High extinction ratio D-shaped fiber polarizers coated by a double graphene/PMMA stack. <i>Optics Express</i> , 2017, 25, 13278.	3.4	28
30	In-fiber refractive index sensor based on single eccentric hole-assisted dual-core fiber. <i>Optics Letters</i> , 2017, 42, 4470.	3.3	28
31	Realization of quasicrystalline quadrupole topological insulators in electrical circuits. <i>Communications Physics</i> , 2021, 4, .	5.3	26
32	Experimental realization of bending waveguide using anisotropic zero-index materials. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	25
33	Long period fiber grating in two-core hollow eccentric fiber. <i>Optics Express</i> , 2015, 23, 33378.	3.4	25
34	Compact all-fiber plasmonic Airy-like beam generator. <i>Optics Letters</i> , 2014, 39, 1113.	3.3	23
35	Versatile polarization manipulation in vanadium dioxide-integrated terahertz metamaterial. <i>Optics Express</i> , 2022, 30, 5439.	3.4	23
36	Dual-band asymmetric transmission and circular dichroism in hybrid coupled plasmonic metamaterials. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 285105.	2.8	22

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37	Graphene decorated twin-core fiber Michelson interferometer for all-optical phase shifter and switch. Optics Letters, 2020, 45, 177.	3.3	22
38	Theoretical study of high-Q Fano resonance and extrinsic chirality in an ultrathin Babinet-inverted metasurface. Journal of Applied Physics, 2014, 116, .	2.5	21
39	Bending characteristics of a long-period fiber grating in a hollow eccentric optical fiber. Applied Optics, 2015, 54, 7879.	2.1	20
40	Refractive Index Sensor Based on Fiber Bragg Grating in Hollow Suspended-Core Fiber. IEEE Sensors Journal, 2019, 19, 11961-11964.	4.7	20
41	Angle enhanced circular dichroism in bilayer 90°-twisted metamaterial. Optics Express, 2020, 28, 15071.	3.4	20
42	In-Fiber M-Z Interferometer Based on Cascaded Long Period Gratings in Embedded-Core Fiber. IEEE Photonics Technology Letters, 2017, 29, 1876-1879.	2.5	19
43	Polarization-controlled multifrequency coherent perfect absorption in stereometamaterials. Optics Express, 2018, 26, 17236.	3.4	19
44	Temperature Sensor in Suspended Core Hollow Fiber Covered With Reduced Graphene Oxide. IEEE Photonics Technology Letters, 2019, 31, 553-556.	2.5	19
45	Experimental verification of supercoupling and cloaking using mu-near-zero materials based on a waveguide. Applied Physics Letters, 2013, 103, 021908.	3.3	18
46	Dynamic chiroptical responses in transmissive metamaterial using phase-change material. Journal Physics D: Applied Physics, 2020, 53, 285104.	2.8	18
47	Supermode analysis of multicore photonic crystal fibers. Optics Communications, 2010, 283, 2686-2689.	2.1	17
48	Manipulating wave polarization by twisted plasmonic metamaterials. Optical Materials Express, 2014, 4, 1003.	3.0	17
49	Topologically enabled ultrahigh-Q chiroptical resonances by merging bound states in the continuum. Optics Letters, 2022, 47, 3291.	3.3	16
50	Engineering electromagnetic responses of bilayered metamaterials based on Fano resonances. Applied Physics Letters, 2013, 103, .	3.3	15
51	Total transmission and super reflection realized by anisotropic zero-index materials. New Journal of Physics, 2012, 14, 123010.	2.9	14
52	Experimental observation and analysis of all-fiber plasmonic double Airy beams. Optics Express, 2014, 22, 18365.	3.4	14
53	Refractive index sensor based on etched eccentric core few-mode fiber dual-mode interferometer. Optics Express, 2019, 27, 28104.	3.4	14
54	Generation of ultra-wideband achromatic Airy plasmons on a graphene surface. Optics Letters, 2017, 42, 563.	3.3	12

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55	Terahertz metamaterial with broadband and low-dispersion high refractive index. Optics Letters, 2020, 45, 4754.	3.3	12
56	In-line rainbow trapping based on plasmonic gratings in optical microfibers. Optics Express, 2013, 21, 16552.	3.4	11
57	Pseudospin-Mediated Optical Spin-Spin Interaction in Nonlinear Photonic Graphene. Laser and Photonics Reviews, 2019, 13, 1800242.	8.7	11
58	Background-free metamaterial sensor based on resonant asymmetric transmission. Photonics and Nanostructures - Fundamentals and Applications, 2020, 40, 100792.	2.0	11
59	Multi-peak electromagnetically induced transparency in concentric multiple-ring metamaterials. Journal of Optics (United Kingdom), 2013, 15, 075103.	2.2	10
60	All-optical vector magnetic field sensor based on a side-polished two-core fiber Michelson interferometer. Optics Express, 2022, 30, 22746.	3.4	10
61	Ultra-high quality perfect absorber based on quasi bound states in the continuum. Journal of Applied Physics, 2022, 131, .	2.5	10
62	Dynamically tunable terahertz anomalous refraction and reflection based on graphene metasurfaces. Optics Communications, 2019, 446, 10-15.	2.1	8
63	From electromagnetically induced transparency to absorption in planar optical metamaterials. Chinese Optics Letters, 2013, 11, 111602.	2.9	8
64	Novel method for measurement of retardance of a quarter-wave plate. Optics and Laser Technology, 2004, 36, 285-290.	4.6	7
65	Designs of infrared nonpolarizing beam splitters with a Ag layer in a glass cube. Applied Optics, 2008, 47, 2619.	2.1	7
66	Theoretical analysis of non-polarizing beam splitters with appropriate amplitude and phase. Optics and Laser Technology, 2009, 41, 351-355.	4.6	7
67	Coherent control of double deflected anomalous modes in ultrathin trapezoid-shaped slit metasurface. Scientific Reports, 2016, 6, 37476.	3.3	7
68	New designs and characteristics analysis of non-polarizing beam splitters. Optics and Laser Technology, 2008, 40, 682-686.	4.6	6
69	Theoretical analysis of two nonpolarizing beam splitters in asymmetrical glass cubes. Applied Optics, 2008, 47, C275.	2.1	6
70	Experimental and Theoretical Investigations of Bending Loss and Birefringence in Embedded-Core Hollow Fiber. Journal of Lightwave Technology, 2012, 30, 3142-3146.	4.6	6
71	Manipulating broadband polarization conversion in metamaterials. Journal of Applied Physics, 2017, 122, .	2.5	6
72	Bend-compensated long period grating in hole-assisted eccentric-core fiber. Optics Communications, 2019, 434, 19-22.	2.1	6

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73	Method of measuring the practical retardance and judging the fast or slow axis of a quarter-wave plate. Measurement: Journal of the International Measurement Confederation, 2006, 39, 729-735.	5.0	5
74	Compact all-fiber thermo-optic modulator based on a Michelson interferometer coated with NaNdF ₄ nanoparticles. Optics Express, 2021, 29, 6854.	3.4	5
75	Wavelength dependence of the sensitivity of a bulk-glass optical current transformer. Optics and Laser Technology, 2006, 38, 87-93.	4.6	4
76	Design and analysis of metal-dielectric nonpolarizing beam splitters in a glass cube. Applied Optics, 2009, 48, 3385.	2.1	4
77	Designs of infrared non-polarizing beam splitters. Optics and Laser Technology, 2007, 39, 394-399.	4.6	3
78	Ultra-narrow resonances and near-field energy density enhancement in planar cross-linked metamaterials. Photonics and Nanostructures - Fundamentals and Applications, 2011, 9, 255-260.	2.0	3
79	Heterogeneous Double Period Array Multicore Fiber and its Application in Bragg Grating Sensor. IEEE Sensors Journal, 2019, 19, 6193-6196.	4.7	3
80	Enhanced asymmetric transmission of linearly polarized light based on all-dielectric stereometamaterial. Journal of Optics (United Kingdom), 2021, 23, 035101.	2.2	3
81	Core-independent inscription of LPGs in twin-core fiber by CO ₂ laser and coupling between LPGs. Optics Express, 2019, 27, 15786.	3.4	3
82	Dual Mode Interference Magnetic-Field Sensor Based on Hollow Suspended-Core Fiber. IEEE Photonics Technology Letters, 2022, 34, 43-46.	2.5	3
83	Optical Properties and Dynamic Extrinsic Chirality of Structured Monolayer Black Phosphorus. Frontiers in Materials, 2022, 9, .	2.4	3
84	Method to enhance the accuracy of the retardance measurement of quarter-wave plates. Optics and Lasers in Engineering, 2005, 43, 1226-1236.	3.8	2
85	Highly resonant positive and negative metamaterials. , 2010, , .		2
86	Multi-wavelength metal-dielectric nonpolarizing beam splitters in the near-infrared range. Optics and Laser Technology, 2011, 43, 515-518.	4.6	2
87	Temperature and Refractive Index-Independent Mode Converter Based on Tapered Hole-Assisted Dual-Core Fiber. Journal of Lightwave Technology, 2021, 39, 2522-2527.	4.6	2
88	Large asymmetric anomalous reflection in bilayer gradient metasurfaces. Optics Express, 2021, 29, 16769.	3.4	2
89	Highly sensitive gas sensor based on a parity-time-symmetric system. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2022, 39, 227.	1.5	2
90	Perfect transverse spin splitting by a single particle with bianisotropy. Physical Review B, 2021, 104, .	3.2	2

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91	Method for measuring linear birefringence inside bulk glass current-sensing elements. Measurement Science and Technology, 2004, 15, 2062-2066.	2.6	1
92	Effect of the dispersion of the reflection-induced retardance upon the sensitivity of an optical current sensor. , 2005, , .		1
93	Theoretical analysis of effects of linear birefringence inside sensing head upon bulk glass current sensors" performance. , 2005, , .		1
94	Method to enhance the accuracy of the retardance measurement of quarter-wave plates. , 2005, 5638, 169.		1
95	Multiple transmission windows in a bilayered metamaterial based on twisted asymmetrically split rings. Proceedings of SPIE, 2012, , .	0.8	1
96	Multi-peak transmissions in concentric ring metamaterials mimicking electromagnetically induced transparency. , 2012, , .		1
97	Loss characteristics of helical-core fiber. Optoelectronics Letters, 2012, 8, 280-283.	0.8	1
98	Multimode fiber focusing lens based on plasmonic structures. Proceedings of SPIE, 2016, , .	0.8	1
99	Optically controlled redshift switching effects in hybrid fishscale metamaterials. AIP Advances, 2018, 8, 055319.	1.3	1
100	Multicore fiber integrated beam shaping devices for long-range plasmonic trapping. Optics Express, 2021, 29, 28416.	3.4	1
101	Accurate semi-numerical approach for multilayer metasurfaces with near-field coupling. Optics Express, 2021, 29, 42225.	3.4	1
102	Wavelength dependence of the sensitivity of a bulk-glass optical current transformer. , 2005, , .		0
103	Local field energy density enhancement in planar metamaterials. Proceedings of SPIE, 2011, , .	0.8	0
104	Angular electromagnetic response of double-ring metamaterials for TE polarization. Journal of Physics: Conference Series, 2011, 276, 012086.	0.4	0
105	Theoretical and experimental analysis of the birefringence in embedded-core hollow optical fibers. Proceedings of SPIE, 2012, , .	0.8	0
106	A transparent polarization transformer based on a bilayered metamaterial. , 2012, , .		0
107	Coupling effect in planar metamaterials. , 2012, , .		0
108	Linear polarization conversion in planar chiral metamaterial. , 2013, , .		0

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109	Coherent perfect absorber based on metamaterials. Proceedings of SPIE, 2014, , .	0.8	0
110	Generation of fiber-based plasmonic Airy beam. Proceedings of SPIE, 2014, , .	0.8	0
111	Fabrication of fiber Bragg gratings in embedded-core hollow optical fiber. , 2015, , .		0
112	Chiral metamaterial with VO ₂ inclusions for thermally manipulating cross-polarization. Proceedings of SPIE, 2015, , .	0.8	0
113	Tunable broadband polarization conversion based on coherent control. , 2016, , .		0
114	Terahertz dual-band asymmetric transmission of linear polarization in multi-layered chiral metamaterials. , 2016, , .		0
115	Dual-band ordered and disordered metamaterial absorber. , 2016, , .		0
116	Polarization-Sensitive Absorber Based on Metamaterials. , 2018, , .		0
117	Flat Optical Fiber Refractive Index Sensors Based on Multimode-Interference. Sensor Letters, 2012, 10, 1452-1456.	0.4	0
118	All-solid microstructured fibers with double cross linear arrays. Applied Optics, 2016, 55, 9818.	2.1	0
119	Anti-bending long period grating in embedded-core optical fiber. , 2018, , .		0