

Jin Hui Shi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6081285/publications.pdf>

Version: 2024-02-01

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	Active beam manipulation and convolution operation in VO ₂ -integrated coding terahertz metasurfaces. Optics Letters, 2022, 47, 441.	3.3	29
2	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
3	Versatile polarization manipulation in vanadium dioxide-integrated terahertz metamaterial. Optics Express, 2022, 30, 5439.	3.4	23
4	Dual Mode Interference Magnetic-Field Sensor Based on Hollow Suspended-Core Fiber. IEEE Photonics Technology Letters, 2022, 34, 43-46.	2.5	3
5	Optical Properties and Dynamic Extrinsic Chirality of Structured Monolayer Black Phosphorus. Frontiers in Materials, 2022, 9, .	2.4	3
6	All-optical vector magnetic field sensor based on a side-polished two-core fiber Michelson interferometer. Optics Express, 2022, 30, 22746.	3.4	10
7	Ultra-high quality perfect absorber based on quasi bound states in the continuum. Journal of Applied Physics, 2022, 131, .	2.5	10
8	Topologically enabled ultrahigh-Q chiroptical resonances by merging bound states in the continuum. Optics Letters, 2022, 47, 3291.	3.3	16
9	Ideal type-II Weyl points in topological circuits. National Science Review, 2021, 8, nwaa192.	9.5	34
10	Compact all-fiber thermo-optic modulator based on a Michelson interferometer coated with NaNdF ₄ nanoparticles. Optics Express, 2021, 29, 6854.	3.4	5
11	Switchable dual-band to broadband terahertz metamaterial absorber incorporating a VO ₂ phase transition. Optics Express, 2021, 29, 5437.	3.4	46
12	Enhanced asymmetric transmission of linearly polarized light based on all-dielectric stereometamaterial. Journal of Optics (United Kingdom), 2021, 23, 035101.	2.2	3
13	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
14	Realization of quasicrystalline quadrupole topological insulators in electrical circuits. Communications Physics, 2021, 4, .	5.3	26
15	Large asymmetric anomalous reflection in bilayer gradient metasurfaces. Optics Express, 2021, 29, 16769.	3.4	2
16	Multicore fiber integrated beam shaping devices for long-range plasmonic trapping. Optics Express, 2021, 29, 28416.	3.4	1
17	Accurate semi-numerical approach for multilayer metasurfaces with near-field coupling. Optics Express, 2021, 29, 42225.	3.4	1
18	Perfect transverse spin splitting by a single particle with bianisotropy. Physical Review B, 2021, 104, .	3.2	2

#	ARTICLE	IF	CITATIONS
19	High sensitivity humidity sensor based on gelatin coated side-polished in-fiber directional coupler. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127555.	7.8	50
20	Dynamic chiroptical responses in transmissive metamaterial using phase-change material. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 285104.	2.8	18
21	Dual-band dichroic asymmetric transmission of linearly polarized waves in terahertz chiral metamaterial. <i>Nanophotonics</i> , 2020, 9, 3235-3242.	6.0	44
22	Background-free metamaterial sensor based on resonant asymmetric transmission. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2020, 40, 100792.	2.0	11
23	Angle enhanced circular dichroism in bilayer 90°-twisted metamaterial. <i>Optics Express</i> , 2020, 28, 15071.	3.4	20
24	Terahertz metamaterial with broadband and low-dispersion high refractive index. <i>Optics Letters</i> , 2020, 45, 4754.	3.3	12
25	Graphene decorated twin-core fiber Michelson interferometer for all-optical phase shifter and switch. <i>Optics Letters</i> , 2020, 45, 177.	3.3	22
26	Heterogeneous Double Period Array Multicore Fiber and its Application in Bragg Grating Sensor. <i>IEEE Sensors Journal</i> , 2019, 19, 6193-6196.	4.7	3
27	Dynamically tunable terahertz anomalous refraction and reflection based on graphene metasurfaces. <i>Optics Communications</i> , 2019, 446, 10-15.	2.1	8
28	Temperature Sensor in Suspended Core Hollow Fiber Covered With Reduced Graphene Oxide. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 553-556.	2.5	19
29	Refractive Index Sensor Based on Fiber Bragg Grating in Hollow Suspended-Core Fiber. <i>IEEE Sensors Journal</i> , 2019, 19, 11961-11964.	4.7	20
30	All-optical graphene-oxide humidity sensor based on a side-polished symmetrical twin-core fiber Michelson interferometer. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 623-627.	7.8	70
31	Bend-compensated long period grating in hole-assisted eccentric-core fiber. <i>Optics Communications</i> , 2019, 434, 19-22.	2.1	6
32	Pseudospin-Mediated Optical Spin-Spin Interaction in Nonlinear Photonic Graphene. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800242.	8.7	11
33	Tunable chiroptical response of graphene achiral metamaterials in mid-infrared regime. <i>Optics Express</i> , 2019, 27, 15359.	3.4	29
34	Refractive index sensor based on etched eccentric core few-mode fiber dual-mode interferometer. <i>Optics Express</i> , 2019, 27, 28104.	3.4	14
35	High-efficiency Huygens™ metasurface for terahertz wave manipulation. <i>Optics Letters</i> , 2019, 44, 3482.	3.3	33
36	Core-independent inscription of LPGs in twin-core fiber by CO ₂ laser and coupling between LPGs. <i>Optics Express</i> , 2019, 27, 15786.	3.4	3

#	ARTICLE	IF	CITATIONS
37	THz photonics in two dimensional materials and metamaterials: properties, devices and prospects. Journal of Materials Chemistry C, 2018, 6, 1291-1306.	5.5	124
38	Polarization-Sensitive Absorber Based on Metamaterials. , 2018, , .		0
39	Optically controlled redshift switching effects in hybrid fishscale metamaterials. AIP Advances, 2018, 8, 055319.	1.3	1
40	Polarization-controlled multifrequency coherent perfect absorption in stereometamaterials. Optics Express, 2018, 26, 17236.	3.4	19
41	Dual-band asymmetric transmission and circular dichroism in hybrid coupled plasmonic metamaterials. Journal Physics D: Applied Physics, 2018, 51, 285105.	2.8	22
42	Anti-bending long period grating in embedded-core optical fiber. , 2018, , .		0
43	Asymmetric transmission of linearly polarized waves in terahertz chiral metamaterials. Journal of Applied Physics, 2017, 121, .	2.5	38
44	Single-pixel computational ghost imaging with helicity-dependent metasurface hologram. Science Advances, 2017, 3, e1701477.	10.3	112
45	Manipulating broadband polarization conversion in metamaterials. Journal of Applied Physics, 2017, 122, .	2.5	6
46	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
47	Generation of ultra-wideband achromatic Airy plasmons on a graphene surface. Optics Letters, 2017, 42, 563.	3.3	12
48	Fiber Bragg grating sensors in hollow single- and two-core eccentric fibers. Optics Express, 2017, 25, 144.	3.4	29
49	High extinction ratio D-shaped fiber polarizers coated by a double graphene/PMMA stack. Optics Express, 2017, 25, 13278.	3.4	28
50	In-fiber refractive index sensor based on single eccentric hole-assisted dual-core fiber. Optics Letters, 2017, 42, 4470.	3.3	28
51	Tunable broadband polarization conversion based on coherent control. , 2016, , .		0
52	Hybrid metamaterial switching for manipulating chirality based on VO2 phase transition. Scientific Reports, 2016, 6, 23186.	3.3	161
53	Coherent control of double deflected anomalous modes in ultrathin trapezoid-shaped slit metasurface. Scientific Reports, 2016, 6, 37476.	3.3	7
54	Terahertz dual-band asymmetric transmission of linear polarization in multi-layered chiral metamaterials. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
55	Dual-band ordered and disordered metamaterial absorber. , 2016, , .		0
56	Multimode fiber focusing lens based on plasmonic structures. Proceedings of SPIE, 2016, , .	0.8	1
57	All-solid microstructured fibers with double cross linear arrays. Applied Optics, 2016, 55, 9818.	2.1	0
58	Dual-polarity metamaterial circular polarizer based on giant extrinsic chirality. Scientific Reports, 2015, 5, 16666.	3.3	39
59	Long period fiber grating in two-core hollow eccentric fiber. Optics Express, 2015, 23, 33378.	3.4	25
60	Fabrication of fiber Bragg gratings in embedded-core hollow optical fiber. , 2015, , .		0
61	Coherent control of optical polarization effects in metamaterials. Scientific Reports, 2015, 5, 8977.	3.3	54
62	Chiral metamaterial with VO ₂ inclusions for thermally manipulating cross-polarization. Proceedings of SPIE, 2015, , .	0.8	0
63	Bending characteristics of a long-period fiber grating in a hollow eccentric optical fiber. Applied Optics, 2015, 54, 7879.	2.1	20
64	Coherent control of Snell's law at metasurfaces. Optics Express, 2014, 22, 21051.	3.4	84
65	Manipulating wave polarization by twisted plasmonic metamaterials. Optical Materials Express, 2014, 4, 1003.	3.0	17
66	Coherent control of birefringence and optical activity. Applied Physics Letters, 2014, 105, .	3.3	45
67	Broadband chirality and asymmetric transmission in ultrathin 90°-twisted Babinet-inverted metasurfaces. Physical Review B, 2014, 89, .	3.2	124
68	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
69	Selective coherent perfect absorption in metamaterials. Applied Physics Letters, 2014, 105, .	3.3	50
70	Experimental observation and analysis of all-fiber plasmonic double Airy beams. Optics Express, 2014, 22, 18365.	3.4	14
71	Coherent perfect absorber based on metamaterials. Proceedings of SPIE, 2014, , .	0.8	0
72	Generation of fiber-based plasmonic Airy beam. Proceedings of SPIE, 2014, , .	0.8	0

#	ARTICLE	IF	CITATIONS
73	Compact all-fiber plasmonic Airy-like beam generator. <i>Optics Letters</i> , 2014, 39, 1113.	3.3	23
74	Optically controlled background-free terahertz switching in chiral metamaterial. <i>Optics Letters</i> , 2014, 39, 3066.	3.3	71
75	Mutual conversion and asymmetric transmission of linearly polarized light in bilayered chiral metamaterial. <i>Optics Express</i> , 2014, 22, 25679.	3.4	52
76	Dual-band asymmetric transmission of linear polarization in bilayered chiral metamaterial. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	213
77	Engineering electromagnetic responses of bilayered metamaterials based on Fano resonances. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	15
78	Ultrathin dual-band surface plasmonic polariton waveguide and frequency splitter in microwave frequencies. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	166
79	Linear polarization conversion in planar chiral metamaterial. , 2013, , .		0
80	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
81	In-line rainbow trapping based on plasmonic gratings in optical microfibers. <i>Optics Express</i> , 2013, 21, 16552.	3.4	11
82	Multi-peak electromagnetically induced transparency in concentric multiple-ring metamaterials. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 075103.	2.2	10
83	Experimental verification of supercoupling and cloaking using mu-near-zero materials based on a waveguide. <i>Applied Physics Letters</i> , 2013, 103, 021908.	3.3	18
84	From electromagnetically induced transparency to absorption in planar optical metamaterials. <i>Chinese Optics Letters</i> , 2013, 11, 111602.	2.9	8
85	Total transmission and super reflection realized by anisotropic zero-index materials. <i>New Journal of Physics</i> , 2012, 14, 123010.	2.9	14
86	Theoretical and experimental analysis of the birefringence in embedded-core hollow optical fibers. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
87	Highly-dispersive electromagnetic induced transparency in planar symmetric metamaterials. <i>Optics Express</i> , 2012, 20, 17581.	3.4	51
88	Tunable symmetric and asymmetric resonances in an asymmetrical split-ring metamaterial. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	48
89	Experimental realization of bending waveguide using anisotropic zero-index materials. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	25
90	Multiple transmission windows in a bilayered metamaterial based on twisted asymmetrically split rings. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1

#	ARTICLE	IF	CITATIONS
91	A transparent polarization transformer based on a bilayered metamaterial. , 2012, , .		0
92	Coupling effect in planar metamaterials. , 2012, , .		0
93	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
94	Multi-peak transmissions in concentric ring metamaterials mimicking electromagnetically induced transparency. , 2012, , .		1
95	Dual-band spoof surface plasmon polaritons based on composite-periodic gratings. Journal Physics D: Applied Physics, 2012, 45, 505104.	2.8	40
96	Multiband stereometamaterial-based polarization spectral filter. Physical Review B, 2012, 86, .	3.2	59
97	Loss characteristics of helical-core fiber. Optoelectronics Letters, 2012, 8, 280-283.	0.8	1
98	Flat Optical Fiber Refractive Index Sensors Based on Multimode-Interference. Sensor Letters, 2012, 10, 1452-1456.	0.4	0
99	Local field energy density enhancement in planar metamaterials. Proceedings of SPIE, 2011, , .	0.8	0
100	Angular electromagnetic response of double-ring metamaterials for TE polarization. Journal of Physics: Conference Series, 2011, 276, 012086.	0.4	0
101	Multi-wavelength metal-dielectric nonpolarizing beam splitters in the near-infrared range. Optics and Laser Technology, 2011, 43, 515-518.	4.6	2
102	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
103	Supermode analysis of multicore photonic crystal fibers. Optics Communications, 2010, 283, 2686-2689.	2.1	17
104	Highly resonant positive and negative metamaterials. , 2010, , .		2
105	Theoretical analysis of non-polarizing beam splitters with appropriate amplitude and phase. Optics and Laser Technology, 2009, 41, 351-355.	4.6	7
106	Design and analysis of metal-dielectric nonpolarizing beam splitters in a glass cube. Applied Optics, 2009, 48, 3385.	2.1	4
107	New designs and characteristics analysis of non-polarizing beam splitters. Optics and Laser Technology, 2008, 40, 682-686.	4.6	6
108	Theoretical analysis of two nonpolarizing beam splitters in asymmetrical glass cubes. Applied Optics, 2008, 47, C275.	2.1	6

#	ARTICLE	IF	CITATIONS
109	Designs of infrared nonpolarizing beam splitters with a Ag layer in a glass cube. Applied Optics, 2008, 47, 2619.	2.1	7
110	Designs of infrared non-polarizing beam splitters. Optics and Laser Technology, 2007, 39, 394-399.	4.6	3
111	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
112	Wavelength dependence of the sensitivity of a bulk-glass optical current transformer. Optics and Laser Technology, 2006, 38, 87-93.	4.6	4
113	Effect of the dispersion of the reflection-induced retardance upon the sensitivity of an optical current sensor. , 2005, , .		1
114	Wavelength dependence of the sensitivity of a bulk-glass optical current transformer. , 2005, , .		0
115	Theoretical analysis of effects of linear birefringence inside sensing head upon bulk glass current sensors" performance. , 2005, , .		1
116	Method to enhance the accuracy of the retardance measurement of quarter-wave plates. , 2005, 5638, 169.		1
117	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
118	Method for measuring linear birefringence inside bulk glass current-sensing elements. Measurement Science and Technology, 2004, 15, 2062-2066.	2.6	1
119	Novel method for measurement of retardance of a quarter-wave plate. Optics and Laser Technology, 2004, 36, 285-290.	4.6	7