

# Yongjun Huang

## List of Publications by Citations

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93  
papers

1,552  
citations

22  
h-index

36  
g-index

137  
ext. papers

2,049  
ext. citations

3.3  
avg, IF

4.89  
L-index

#	Paper	IF	Citations
93	Broadband Metamaterial Absorbers. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1800995	8.1	236
92	Chirality-Assisted High-Efficiency Metasurfaces with Independent Control of Phase, Amplitude, and Polarization. <i>Advanced Optical Materials</i> , <b>2018</b> , 7, 1801479	8.1	87
91	Configurable metamaterial absorber with pseudo wideband spectrum. <i>Optics Express</i> , <b>2012</b> , 20, 6616-21	3.3	85
90	Polarization conversion of metasurface for the application of wide band low-profile circular polarization slot antenna. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 054101	3.4	83
89	Analysis of metamaterial absorber in normal and oblique incidence by using interference theory. <i>AIP Advances</i> , <b>2013</b> , 3, 102118	1.5	64
88	Experimental demonstration of a magnetically tunable ferrite based metamaterial absorber. <i>Optics Express</i> , <b>2014</b> , 22, 16408-17	3.3	63
87	A Compact Broadband Cross-Shaped Circularly Polarized Planar Monopole Antenna With a Ground Plane Extension. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 335-338	3.8	45
86	Wavevector and Frequency Multiplexing Performed by a Spin-Decoupled Multichannel Metasurface. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1900710	6.8	44
85	Metamaterial perfect absorber with unabated size-independent absorption. <i>Optics Express</i> , <b>2018</b> , 26, 20471-20480	3.3	42
84	Tunable broadband metamaterial absorber consisting of ferrite slabs and a copper wire. <i>Chinese Physics B</i> , <b>2012</b> , 21, 038501	1.2	39
83	Polarization-insensitive 3D conformal-skin metasurface cloak. <i>Light: Science and Applications</i> , <b>2021</b> , 10, 75	16.7	39
82	Compact CPW-fed planar monopole antenna with distinct triple bands for WiFi/WiMAX applications. <i>Electronics Letters</i> , <b>2012</b> , 48, 357	1.1	38
81	Single-/dual-band metamaterial absorber based on cross-circular-loop resonator with shorted stubs. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 108, 329-335	2.6	33
80	An integrated low phase noise radiation-pressure-driven optomechanical oscillator chipset. <i>Scientific Reports</i> , <b>2014</b> , 4, 6842	4.9	31
79	Low-index-metamaterial for gain enhancement of planar terahertz antenna. <i>AIP Advances</i> , <b>2014</b> , 4, 037103	3.3	30
78	Dual-Band Negative Permittivity Metamaterial Based on Cross Circular Loop Resonator With Shorting Stubs. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 803-806	3.8	29
77	Tunable dual-band ferrite-based metamaterials with dual negative refractions. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 106, 79-86	2.6	28

76	Spin-Encoded Wavelength-Direction Multitasking Janus Metasurfaces. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100190	8.1	28
75	Mesoscopic chaos mediated by Drude electron-hole plasma in silicon optomechanical oscillators. <i>Nature Communications</i> , <b>2017</b> , 8, 15570	17.4	27
74	Wide-angle and polarization-independent metamaterial absorber based on snowflake-shaped configuration. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2013</b> , 27, 552-559	1.3	26
73	Wideband giant optical activity and negligible circular dichroism of near-infrared chiral metamaterial based on a complementary twisted configuration. <i>Journal of Optics (United Kingdom)</i> , <b>2013</b> , 15, 125101	1.7	24
72	Compact Wideband CPW-Fed Meandered-Slot Antenna With Slotted Y-Shaped Central Element for Wi-Fi, WiMAX, and 5G Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 7395-7399	4.9	23
71	Gain enhancement for wide bandwidth endfire antenna with I-shaped resonator (ISR) structures. <i>Electronics Letters</i> , <b>2013</b> , 49, 736-737	1.1	21
70	Numerical and theoretical analysis on the absorption properties of metasurface-based terahertz absorbers with different thicknesses. <i>Applied Optics</i> , <b>2015</b> , 54, 299-305	1.7	19
69	WIDEBAND CIRCULARLY POLARIZED UHF RFID READER ANTENNA WITH HIGH GAIN AND WIDE AXIAL RATIO BEAMWIDTHS. <i>Progress in Electromagnetics Research</i> , <b>2012</b> , 129, 365-385	3.8	18
68	Broadband mid-infrared perfect absorber using fractal Gosper curve. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 105106	3	17
67	A Compact Broadband Circularly Polarized Slot Antenna With Two Linked Rectangular Slots and an Inverted-F Feed Line. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 7374-7377	4.9	17
66	A Compact High-Efficiency Watt-Level Microwave Rectifier With a Novel Harmonic Termination Network. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2019</b> , 29, 418-420	2.6	14
65	Experimental study of absorption band controllable planar metamaterial absorber using asymmetrical snowflake-shaped configuration. <i>Journal of Optics (United Kingdom)</i> , <b>2013</b> , 15, 055104	1.7	14
64	Compact and high-selectivity microstrip bandpass filter using two-stage twist-modified asymmetric split-ring resonators. <i>Electronics Letters</i> , <b>2015</b> , 51, 635-637	1.1	12
63	Dielectric metasurfaces: From wavefront shaping to quantum platforms. <i>Progress in Surface Science</i> , <b>2020</b> , 95, 100584	6.6	12
62	Design and Characterization of Tunable Terahertz Metamaterials With Broad Bandwidth and Low Loss. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 264-267	3.8	12
61	Deterministic Approach to Achieve Full-Polarization Cloak. <i>Research</i> , <b>2021</b> , 2021, 6382172	7.8	12
60	A High-Efficiency Inverse Class-F Microwave Rectifier for Wireless Power Transmission. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2019</b> , 29, 725-728	2.6	12
59	A Chip-Scale Oscillation-Mode Optomechanical Inertial Sensor Near the Thermodynamical Limits. <i>Laser and Photonics Reviews</i> , <b>2020</b> , 14, 1800329	8.3	11

58	Compact microstrip triplexer based on twist-modified asymmetric split-ring resonators. <i>Electronics Letters</i> , <b>2014</b> , 50, 1712-1713	1.1	11
57	Experimental Demonstration of Microwave Two-Dimensional Airy Beam Generation Based on Single-Layer Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7507-7516	4.9	10
56	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 69, 916-925	4.1	10
55	A Circularly Polarized Antenna Array with Gain Enhancement for Long-Range UHF RFID Systems. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 400	2.6	9
54	Electromagnetic Metasurfaces and Reconfigurable Metasurfaces: A Review. <i>Frontiers in Physics</i> , <b>2021</b> , 8,	3.9	9
53	Broadband circularly polarized square slot antenna with a G-shaped feedline. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 3055-3063	1.2	8
52	Systematical analysis for the mixed couplings of two adjacent modified split ring resonators and the application to compact microstrip bandpass filters. <i>AIP Advances</i> , <b>2014</b> , 4, 107119	1.5	8
51	Thermally tunable high-Q metamaterial and sensing application based on liquid metals. <i>Optics Express</i> , <b>2021</b> , 29, 6069-6079	3.3	8
50	A CPW-fed broadband quasi-Yagi antenna with low cross-polarization performance. <i>AEU - International Journal of Electronics and Communications</i> , <b>2018</b> , 83, 188-192	2.8	7
49	Nonlinear coupling states study of electromagnetic force actuated plasmonic nonlinear metamaterials. <i>Optics Express</i> , <b>2018</b> , 26, 3211-3220	3.3	7
48	Compact meander T-shaped monopole antenna for dual-band WLAN applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2013</b> , 23, 67-73	1.5	7
47	Metamaterial absorbers realized in an X-band rectangular waveguide. <i>Chinese Physics B</i> , <b>2012</b> , 21, 117801.2	1.2	7
46	Wideband high gain circularly polarized UHF RFID reader microstrip antenna and array. <i>AEU - International Journal of Electronics and Communications</i> , <b>2017</b> , 77, 76-81	2.8	6
45	Spatial Correlation Models of Large-Scale Antenna Topologies Using Maximum Power of Offset Distribution and its Application. <i>IEEE Access</i> , <b>2018</b> , 6, 36295-36304	3.5	6
44	Tunable triple-band negative permeability metamaterial consisting of single-loop resonators and ferrite. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2013</b> , 27, 267-275	1.3	6
43	Hiding inside an arbitrarily shaped metal pit using homogeneous metamaterials. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2012</b> , 26, 2315-2322	1.3	6
42	Low-Cost Air Gap Metasurface Structure for High Absorption Efficiency Energy Harvesting. <i>International Journal of Antennas and Propagation</i> , <b>2019</b> , 2019, 1-8	1.2	6
41	Synchronization in air-slot photonic crystal optomechanical oscillators. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 111107	3.4	5

40	The Design and Applications of Tunable Metamaterials. <i>Procedia Engineering</i> , <b>2012</b> , 29, 802-807		5
39	Tunable band notch filters by manipulating couplings of split ring resonators. <i>Applied Optics</i> , <b>2013</b> , 52, 7517-22	1.7	5
38	Dynamics Analysis of a Pair of Ring Resonators in Liquid Media. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	5
37	Propagation range enhancement of truncated airy beam with antenna array at microwave frequencies <b>2018</b> ,		4
36	Tri-band planar monopole antenna with two circularly polarised bandwidths for WiMAX applications. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 2350-2355	1.6	4
35	Wideband SIW H-plane dual-ridged end-fire antenna for conformal application. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 286-292	1.2	3
34	A low-frequency chip-scale optomechanical oscillator with 58 kHz mechanical stiffening and more than 100-order stable harmonics. <i>Scientific Reports</i> , <b>2017</b> , 7, 4383	4.9	3
33	Compact Microstrip Bandpass Diplexer Based on Twist Revised Split Ring Resonators. <i>International Journal of Antennas and Propagation</i> , <b>2015</b> , 2015, 1-6	1.2	3
32	ULTRA-COMPACT METAMATERIAL ABSORBER WITH LOW-PERMITTIVITY DIELECTRIC SUBSTRATE. <i>Progress in Electromagnetics Research M</i> , <b>2015</b> , 41, 25-32	0.6	3
31	. <i>IEEE Access</i> , <b>2020</b> , 8, 189163-189178	3.5	3
30	Wideband transition between rectangular waveguide and microstrip using asymmetric fin line probe. <i>Electronics Letters</i> , <b>2017</b> , 53, 490-492	1.1	2
29	38-GHz SIW Filter based on the stepped-impedance face-to-face E-shaped DGSs for 5G application. <i>Microwave and Optical Technology Letters</i> , <b>2019</b> , 61, 1500-1504	1.2	2
28	Multiplexed Metasurfaces: Wavevector and Frequency Multiplexing Performed by a Spin-Decoupled Multichannel Metasurface (Adv. Mater. Technol. 1/2020). <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2070005	6.8	2
27	Wideband cavity-backed log-periodic-slot end-fire antenna with vertical polarization for conformal application. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2017</b> , 27, e21067	1.5	2
26	Controllable optomechanical coupling and Drude self-pulsation plasma locking in chip-scale optomechanical cavities. <i>Optics Express</i> , <b>2017</b> , 25, 6851-6859	3.3	2
25	Comparison Analysis of Single Loop Resonator Based Miniaturized Triple-Band Planar Monopole Antennas. <i>International Journal of Antennas and Propagation</i> , <b>2015</b> , 2015, 1-10	1.2	2
24	Dual-Band Notch Filter Based on Twist Split Ring Resonators. <i>International Journal of Antennas and Propagation</i> , <b>2014</b> , 2014, 1-6	1.2	2
23	Multiband Negative Permittivity Metamaterials and Absorbers. <i>Advances in OptoElectronics</i> , <b>2013</b> , 2013, 1-7	0.5	2

22	A chip-scale sub- $\mu\text{m}$ /Hz <sup>1/2</sup> optomechanical DC accelerometer at the thermodynamical limit <b>2016</b> ,		2
21	Microwave Airy Beam Generation With Microstrip Patch Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 2290-2301	4.9	2
20	High-Q Hg-anapole resonator with microstrip line coupling for high-precision temperature sensing applications. <i>Results in Physics</i> , <b>2021</b> , 24, 104172	3.7	2
19	. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 9244-9256	10.7	2
18	High Efficiency Electromagnetic Energy Harvesting with Metasurface <b>2018</b> ,		2
17	Compact UHF RFID Tag Antenna for Application of Domestic Animals Management <b>2018</b> ,		2
16	Experimental investigations of wave-DSRR interactions in liquid-phase media. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 144101	3.4	1
15	Compact CP antenna based on resonant quadrifilar spiral structure for UHF RFID handheld reader <b>2017</b> ,		1
14	A compact and broadband CPW-fed folded-slot antenna for c-band application <b>2017</b> ,		1
13	Ka-Band Slot-Microstrip-Covered and Waveguide-Cavity-Backed Monopulse Antenna Array. <i>International Journal of Antennas and Propagation</i> , <b>2014</b> , 2014, 1-5	1.2	1
12	Left handed metamaterial with $\epsilon = -1$ and $\mu = 1$ and some applications <b>2009</b> ,		1
11	Intermittent Magnetic Field Monitoring System Based on Passive RFID Sensor Tags. <i>IEEE Sensors Journal</i> , <b>2022</b> , 22, 819-831	4	1
10	Optimization of Large Antenna Arrays for Radiative Wireless Power Transfer <b>2020</b> ,		1
9	Research of metamaterial absorbers and their rectangular waveguide matching terminal applications based on the electric resonators. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2013</b> , 62, 087801	0.6	1
8	Fast and Automatic RF Design Based on MATLAB-HFSS Control Applied on Magnetic Absorber with Metasurface <b>2019</b> ,		1
7	Low-Profile Ultra-Broadband Log-Period Monopole End-Fire Antenna. <i>International Journal of Antennas and Propagation</i> , <b>2018</b> , 2018, 1-8	1.2	1
6	CPW slot antenna with Y-shaped central monopole and matching arms. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2018</b> , 10, 1166-1174	0.8	1
5	Design of Discrete Apertures for High Efficiency Wireless Power Transfer. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	1

- 4 Research on the reflection-type ELC-based optomechanical metamaterial.. *Optics Express*, **2022**, 30, 5498-5511
- 3 Tunable Dual-Band Negative Refractive Index Metamaterial Consisting of Ferrites and SRR-Wires. *Procedia Engineering*, **2012**, 29, 797-801
- 2 A Novel TRNG Based on Traditional ADC Nonlinear Effect and Chaotic Map for IoT Security and Anticollision. *Security and Communication Networks*, **2021**, 2021, 1-16 1.9
- 1 Focus Beam Synthesis With Circular Antenna Array Based on Radial Waveguide Feed Network. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 20, 748-752 3.8