

Xin-Ke Wang

List of Publications by Year in descending order

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49
papers

1,121
citations

471509

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414414

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all docs

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docs citations

49
times ranked

1713
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Efficiency Phase and Polarization Modulation Metasurfaces. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	4
2	Terahertz near-field microscopy based on an air-plasma dynamic aperture. <i>Light: Science and Applications</i> , 2022, 11, 129.	16.6	19
3	Mechanism of active silica nanofluids based on interface-regulated effect during spontaneous imbibition. <i>Petroleum Science</i> , 2021, 18, 883.	4.9	2
4	Reflective single-pixel terahertz pulsed imaging. , 2021, , .		0
5	Compact Terahertz Surface Plasmon Polaritons Devices. , 2021, , .		0
6	Distribution and Dynamics of Dissolved Organic Matter in the Changjiang Estuary and Adjacent Sea. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006161.	3.0	10
7	Time-Resolved Terahertz Spectroscopy Studies on 2D Van der Waals Materials. <i>Advanced Optical Materials</i> , 2020, 8, 1900533.	7.3	37
8	Photonic molecules stacked on multicore optical fiber for vapor sensing. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	5
9	Reflective Single-Pixel Terahertz Imaging Based on Compressed Sensing. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2020, 10, 495-501.	3.1	28
10	Quality Mapping of Offset Lithographic Printed Antenna Substrates and Electrodes by Millimeter-Wave Imaging. <i>Electronics (Switzerland)</i> , 2019, 8, 674.	3.1	3
11	High-Q Polymer Microcavities Integrated on a Multicore Fiber Facet for Vapor Sensing. <i>Advanced Optical Materials</i> , 2019, 7, 1900602.	7.3	44
12	Thermally Switchable Terahertz Metasurface Devices. , 2019, , .		1
13	Optical Pump-Terahertz Probe Studies on Silicon and Organic Solar Cells. , 2019, , .		0
14	Polarization Characterization by the Longitudinal Component of a Focused Terahertz Field. , 2019, , .		0
15	Active Metasurface Devices for Terahertz Wave Front Modulation. , 2019, , .		0
16	Efficient manipulations of circularly polarized terahertz waves with transmissive metasurfaces. <i>Light: Science and Applications</i> , 2019, 8, 16.	16.6	107
17	Reconfigurable Terahertz Metasurface Pure Phase Holograms. <i>Advanced Optical Materials</i> , 2019, 7, 1801696.	7.3	76
18	Realization and characterization of terahertz surface plasmon light capsules. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	3

#	ARTICLE	IF	CITATIONS
19	Terahertz image reconstruction based on compressed sensing and inverse Fresnel diffraction. Optics Express, 2019, 27, 14725.	3.4	23
20	Demonstration of Orbital Angular Momentum Multiplexing and Demultiplexing Based on a Metasurface in the Terahertz Band. ACS Photonics, 2018, 5, 1726-1732.	6.6	111
21	Generation of Radial Polarized Lorentz Beam with Single Layer Metasurface. Advanced Optical Materials, 2018, 6, 1700925.	7.3	29
22	Vectorial Properties of a Terahertz Bessel Beam. , 2018, , .		0
23	Pure Phase Terahertz Wave-Front Modulator. , 2018, , .		0
24	Vector measurement and performance tuning of a terahertz bottle beam. Scientific Reports, 2018, 8, 13177.	3.3	4
25	Vector characterization of zero-order terahertz Bessel beams with linear and circular polarizations. Scientific Reports, 2017, 7, 13929.	3.3	28
26	New design model for high efficiency cylindrical diffractive microlenses. Scientific Reports, 2017, 7, 16334.	3.3	4
27	High-efficiency terahertz devices based on cross-polarization converter. Scientific Reports, 2017, 7, 17882.	3.3	37
28	Generating, Separating and Polarizing Terahertz Vortex Beams via Liquid Crystals with Gradient-Rotation Directors. Crystals, 2017, 7, 314.	2.2	16
29	Continuously tunable terahertz signal generation with an integrated 1.55- μ m dual-wavelength DFB photonic chip. , 2016, , .		2
30	Active terahertz device based on optically-controlled organometal halide perovskite. , 2016, , .		1
31	Wavelength de-multiplexing metasurface hologram. Scientific Reports, 2016, 6, 35657.	3.3	41
32	Visualization of terahertz surface waves propagation on metal foils. Scientific Reports, 2016, 6, 18768.	3.3	10
33	Exciton localization in solution-processed organolead trihalide perovskites. Nature Communications, 2016, 7, 10896.	12.8	195
34	Terahertz Tunable Metasurface Lens Based on Vanadium Dioxide Phase Transition. Plasmonics, 2016, 11, 1285-1290.	3.4	49
35	SERS: Demonstration of a 3D Radar-Like SERS Sensor Micro-and Nanofabricated on an Optical Fiber (Advanced Optical Materials 9/2015). Advanced Optical Materials, 2015, 3, 1128-1128.	7.3	1
36	Observation and explanation of polarization-controlled focusing of terahertz surface plasmon polaritons. Physical Review A, 2015, 91, .	2.5	13

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37	Achromatic THz absorption of conductive nanofilms. AIP Advances, 2015, 5, 107139.	1.3	3
38	Vector characterization of a focused terahertz beam. , 2015, , .		0
39	Active modulation of terahertz wavefront. , 2015, , .		0
40	Demonstration of a 3D Radar-Like SERS Sensor Micro- and Nanofabricated on an Optical Fiber. Advanced Optical Materials, 2015, 3, 1232-1239.	7.3	48
41	Optical steerable terahertz zone plate. , 2014, , .		0
42	Uniform axial intensity distributions of long-focal-depth cylindrical micromirrors realized by an amplitude-phase modulation method. Journal of Modern Optics, 2013, 60, 688-695.	1.3	0
43	Complete presentation of the Gouy phase shift with the THz digital holography. Optics Express, 2013, 21, 2337.	3.4	15
44	Super thin planar lens for terahertz beam control. , 2013, , .		0
45	Spatial Terahertz Modulator. Scientific Reports, 2013, 3, .	3.3	116
46	Coaxial waveguide mode reconstruction and analysis with THz digital holography. Optics Express, 2012, 20, 7706.	3.4	23
47	Mode analysis of a metallic coaxial terahertz waveguide. , 2012, , .		0
48	Experimental characterization of hexaferrite ceramics from 100 GHz to 1 THz using vector network analysis and terahertz-time domain spectroscopy. Journal of Applied Physics, 2011, 109, .	2.5	13
49	Terahertz real time focal plane imaging. , 2011, , .		0