

# Yan Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2029123/publications.pdf>

Version: 2024-02-01

318  
papers

8,085  
citations

53660

45  
h-index

71532

76  
g-index

319  
all docs

319  
docs citations

319  
times ranked

5511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress and applications of terahertz metamaterials. Journal Physics D: Applied Physics, 2022, 55, 123002.	1.3	32
2	Fast-printed, large-area and low-cost terahertz metasurface using laser-induced graphene. Carbon, 2022, 187, 256-265.	5.4	20
3	Dynamic phase assembled terahertz metalens for reversible conversion between linear polarization and arbitrary circular polarization. Opto-Electronic Advances, 2022, 5, 210062-210062.	6.4	79
4	Terahertz metasurface zone plates with arbitrary polarizations to a fixed polarization conversion. , 2022, 1, 210014-210014.		42
5	High Efficiency Phase and Polarization Modulation Metasurfaces. Advanced Photonics Research, 2022, 3, .	1.7	4
6	All Dielectric Trifunctional Metasurface Capable of Independent Amplitude and Phase Modulation. Laser and Photonics Reviews, 2022, 16, .	4.4	36
7	Vector beam generation based on spin-decoupling metasurface zone plate. Applied Physics Letters, 2022, 120, .	1.5	6
8	Terahertz surface plasmon polaritons travelling on laser-induced porous graphene. Applied Physics Letters, 2022, 120, .	1.5	4
9	Versatile Polarization Conversion and Wavefront Shaping Based on Fully Phase Modulated Metasurface with Complex Amplitude Modulation. Advanced Optical Materials, 2022, 10, .	3.6	13
10	The Distribution and Evolution of Refractive Index in a Polystyrene Whispering Gallery Microcavity during Glass Transition. Advanced Optical Materials, 2022, 10, .	3.6	1
11	Smart grating coupled whispering-gallery-mode microcavity on tip of multicore optical fiber with response enhancement. Optics Express, 2022, 30, 25277.	1.7	5
12	Graphene-based terahertz bias-driven negative-conductivity metasurface. Nanoscale Advances, 2022, 4, 3342-3352.	2.2	2
13	Creating Longitudinally Varying Vector Vortex Beams with an All Dielectric Metasurface. Laser and Photonics Reviews, 2022, 16, .	4.4	43
14	Design of Compact Terahertz Surface Plasmon Polaritons Devices. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-5.	1.9	6
15	All-dielectric chiral coding metasurface based on spin-decoupling in terahertz band. Nanophotonics, 2021, 10, 1347-1355.	2.9	32
16	All-silicon metasurfaces for polarization multiplexed generation of terahertz photonic orbital angular momentum superposition states. Journal of Materials Chemistry C, 2021, 9, 5478-5485.	2.7	13
17	Fine manipulation of terahertz waves via all-silicon metasurfaces with an independent amplitude and phase. Nanoscale, 2021, 13, 5809-5816.	2.8	25
18	A dual band spin-selective transmission metasurface and its wavefront manipulation. Nanoscale, 2021, 13, 10898-10905.	2.8	19

#	ARTICLE	IF	CITATIONS
19	All-dielectric Metasurface for Manipulating the Superpositions of Orbital Angular Momentum via Spin-Decoupling. <i>Advanced Optical Materials</i> , 2021, 9, 2002007.	3.6	44
20	Generation of long-distance stably propagating Bessel beams. <i>OSA Continuum</i> , 2021, 4, 1223.	1.8	10
21	Circular dichroism-like response of terahertz wave caused by phase manipulation via all-silicon metasurface. <i>Photonics Research</i> , 2021, 9, 567.	3.4	34
22	Ultrafast carrier response of $\text{CH}_3\text{NH}_3\text{PbI}_3/\text{MoO}_3/\text{graphene}$ heterostructure for terahertz waves. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 325102.	1.3	4
23	Longitudinal Component Properties of Circularly Polarized Terahertz Vortex Beams. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	2
24	Vibrational properties of graphene quantum dots: Effects of confinement, geometrical structure, and edge orientation. <i>Physical Review B</i> , 2021, 104, .	1.1	1
25	All-dielectric metasurfaces capable of dual-channel complex amplitude modulation. <i>Nanophotonics</i> , 2021, 10, 2959-2968.	2.9	10
26	Terahertz wavefront shaping with multi-channel polarization conversion based on all-dielectric metasurface. <i>Photonics Research</i> , 2021, 9, 1939.	3.4	39
27	Active Control of the THz Wave Polarization State by an Electronically Controlled Graphene Composite Metasurface. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	0
28	Bias-driven terahertz negative conductivity and transmission enhancement. <i>Optical Materials</i> , 2021, 120, 111470.	1.7	3
29	Applicability of the soft and hard apodization techniques to suppress Bessel beam intensity oscillations. <i>Optics Communications</i> , 2021, 499, 127289.	1.0	3
30	Multifunctional terahertz metasurfaces for polarization transformation and wavefront manipulation. <i>Nanoscale</i> , 2021, 13, 14490-14496.	2.8	20
31	Intense terahertz radiation: generation and application. <i>Frontiers of Optoelectronics</i> , 2021, 14, 4-36.	1.9	30
32	Compact Terahertz Surface Plasmon Polaritons Devices. , 2021, , .		0
33	Influence of Optical Rectification on Terahertz Generation from Plasma Induced by Two-color Pulses. , 2021, , .		0
34	Spatiotemporal Distribution Characterization for Terahertz Waves Generated From Plasma Induced by Two-Color Pulses. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	2
35	Structured vanadium dioxide metamaterial for tunable broadband terahertz absorption. <i>Optics Express</i> , 2021, 29, 42989.	1.7	27
36	Terahertz Spectral Properties of 5-Substituted Uracils. <i>Sensors</i> , 2021, 21, 8292.	2.1	2

#	ARTICLE	IF	CITATIONS
37	Time-Resolved Terahertz Spectroscopy Studies on 2D Van der Waals Materials. <i>Advanced Optical Materials</i> , 2020, 8, 1900533.	3.6	37
38	Effect of IT-M doping on charge transfer and ultrafast carrier dynamics of ternary organic solar cell materials. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 095103.	1.3	4
39	Meta-hologram for three-dimensional display in terahertz waveband. <i>Microelectronic Engineering</i> , 2020, 220, 111151.	1.1	12
40	Photonic molecules stacked on multicore optical fiber for vapor sensing. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	5
41	Electronic processes investigation from ultrafast terahertz in photovoltaic DPPDTT-PCBM films. <i>Solar Energy Materials and Solar Cells</i> , 2020, 215, 110684.	3.0	1
42	Binding energy of the hybrid exciton in heterostructures of colloidal CdSe-ZnS quantum dots and two-dimensional transition metal dichalcogenides. <i>Physical Review B</i> , 2020, 102, .	1.1	4
43	Reflective Single-Pixel Terahertz Imaging Based on Compressed Sensing. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2020, 10, 495-501.	2.0	28
44	Terahertz Probing Irreversible Phase Transitions Related to Polar Clusters in $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ -Based Ferroelectric. <i>Advanced Electronic Materials</i> , 2020, 6, 1901373.	2.6	10
45	Metasurfaces for Terahertz Wavefront Modulation: a Review. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020, 41, 607-631.	1.2	59
46	Polarization Multiplexing Terahertz Metasurfaces through Spatial Femtosecond Laser-Shaping Fabrication. <i>Advanced Optical Materials</i> , 2020, 8, 2000136.	3.6	23
47	Role of the lattice in the light-induced insulator-to-metal transition in vanadium dioxide. <i>Physical Review Research</i> , 2020, 2, .	1.3	9
48	Patterned laser-induced graphene for terahertz wave modulation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 546.	0.9	20
49	Gate-controlled terahertz focusing based on graphene-loaded metasurface. <i>Optics Express</i> , 2020, 28, 2789.	1.7	35
50	Contribution of the optical rectification in terahertz radiation driven by two-color laser induced plasma. <i>Optics Express</i> , 2020, 28, 4810.	1.7	7
51	“Optical tentacle” of suspended polymer micro-rings on a multicore fiber facet for vapor sensing. <i>Optics Express</i> , 2020, 28, 11730.	1.7	19
52	Enhanced terahertz focusing for a graphene-enabled active metalens. <i>Optics Express</i> , 2020, 28, 35179.	1.7	15
53	Birefringence characteristics of magnesium oxide crystal in terahertz frequency region by using terahertz focal plane imaging. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 208702.	0.2	0
54	Quality Mapping of Offset Lithographic Printed Antenna Substrates and Electrodes by Millimeter-Wave Imaging. <i>Electronics (Switzerland)</i> , 2019, 8, 674.	1.8	3

#	ARTICLE	IF	CITATIONS
55	High-Q Polymer Microcavities Integrated on a Multicore Fiber Facet for Vapor Sensing. <i>Advanced Optical Materials</i> , 2019, 7, 1900602.	3.6	44
56	Strong Terahertz Radiation from a Liquid-Water Line. <i>Physical Review Applied</i> , 2019, 12, .	1.5	57
57	Metasurface Hologram for Multi-Image Hiding and Seeking. <i>Physical Review Applied</i> , 2019, 12, .	1.5	25
58	Thermally Switchable Terahertz Metasurface Devices. , 2019, , .		1
59	Polarization Characterization by the Longitudinal Component of a Focused Terahertz Field. , 2019, , .		0
60	First- and second-order photon-phonon interactions and optical parameters of ZnTe crystal: a broadband terahertz time-domain spectroscopy study. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 455101.	1.3	5
61	Efficient manipulations of circularly polarized terahertz waves with transmissive metasurfaces. <i>Light: Science and Applications</i> , 2019, 8, 16.	7.7	107
62	Efficient broadband terahertz generation from organic crystal BNA using near infrared pump. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	24
63	High-Efficiency Alignment of 3D Biotemplated Helices via Rotating Magnetic Field for Terahertz Chiral Metamaterials. <i>Advanced Optical Materials</i> , 2019, 7, 1900247.	3.6	18
64	Reconfigurable Terahertz Metasurface Pure Phase Holograms. <i>Advanced Optical Materials</i> , 2019, 7, 1801696.	3.6	76
65	Realization and characterization of terahertz surface plasmon light capsules. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	3
66	Optimal design of SPP-based focusing metasurface optical elements in terahertz frequency. <i>Optik</i> , 2019, 178, 704-709.	1.4	0
67	Multidirectional sub-wavelength slit splitter and polarization analyzer for THz surface plasmons. <i>Optics Communications</i> , 2019, 432, 112-115.	1.0	7
68	Modulation of terahertz radiation from graphene surface plasmon polaritons via surface acoustic wave. <i>Optics Express</i> , 2019, 27, 11137.	1.7	3
69	Terahertz image reconstruction based on compressed sensing and inverse Fresnel diffraction. <i>Optics Express</i> , 2019, 27, 14725.	1.7	23
70	Thermally switchable terahertz wavefront metasurface modulators based on the insulator-to-metal transition of vanadium dioxide. <i>Optics Express</i> , 2019, 27, 20347.	1.7	44
71	Strong coupling of optical interface modes in a 1D topological photonic crystal heterostructure/Ag hybrid system. <i>Optics Letters</i> , 2019, 44, 5642.	1.7	40
72	Active Terahertz Wave Front Modulator Based on Metasurface. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
73	Polarization multiplexing for double images display. Opto-Electronic Advances, 2019, 2, 18002901-18002906.	6.4	56
74	Light controlled surface plasmon polaritons switch based on a gradient metal grating. Optics Communications, 2018, 424, 103-106.	1.0	2
75	Frequency and orientation dependent conductivity of a semi-Dirac system. Journal Physics D: Applied Physics, 2018, 51, 205302.	1.3	7
76	Strong negative terahertz photoconductivity in photoexcited graphene. Optics Communications, 2018, 406, 234-238.	1.0	7
77	Demonstration of Orbital Angular Momentum Multiplexing and Demultiplexing Based on a Metasurface in the Terahertz Band. ACS Photonics, 2018, 5, 1726-1732.	3.2	111
78	The imaging properties of the curved superlens. Optics Communications, 2018, 407, 41-45.	1.0	2
79	Generation of Radial Polarized Lorentz Beam with Single Layer Metasurface. Advanced Optical Materials, 2018, 6, 1700925.	3.6	29
80	Effects of surface nanostructuring and impurity doping on ultrafast carrier dynamics of silicon photovoltaic cells: a pump-probe study. Journal Physics D: Applied Physics, 2018, 51, 024004.	1.3	1
81	Pure Phase Terahertz Wave-Front Modulator. , 2018, , .		0
82	Vector measurement and performance tuning of a terahertz bottle beam. Scientific Reports, 2018, 8, 13177.	1.6	4
83	Flattening axial intensity oscillations of a diffracted Bessel beam through a cardioid-like hole. Optics Express, 2018, 26, 1530.	1.7	9
84	Polarization-based dynamic manipulation of Bessel-like surface plasmon polaritons beam. Optics Express, 2018, 26, 5461.	1.7	28
85	Graphene-enabled electrically controlled terahertz meta-lens. Photonics Research, 2018, 6, 703.	3.4	81
86	Vectorial diffraction properties of THz vortex Bessel beams. Optics Express, 2018, 26, 1506.	1.7	27
87	Integrated (de)multiplexer for orbital angular momentum fiber communication. Photonics Research, 2018, 6, 743.	3.4	69
88	Polarization determination based on the longitudinal field of a converging terahertz wave. Optics Letters, 2018, 43, 5508.	1.7	4
89	Metasurface Lens for both Surface Plasmon Polaritons and Transmitted Wave. Plasmonics, 2017, 12, 621-626.	1.8	8
90	Theoretical study on dynamic acoustic modulation of free carriers, excitons, and trions in 2D MoS <sub>2</sub> flake. Journal Physics D: Applied Physics, 2017, 50, 114005.	1.3	16

#	ARTICLE	IF	CITATIONS
91	Efficient terahertz modulator based on photoexcited graphene. <i>Optical Materials</i> , 2017, 66, 381-385.	1.7	26
92	Ultra-wide band reflective metamaterial wave plates for terahertz waves. <i>Europhysics Letters</i> , 2017, 117, 37007.	0.7	44
93	High focusing efficiency or high signal-to-noise ratio diffractive optical element for color separation and light focusing. <i>Optik</i> , 2017, 138, 87-94.	1.4	0
94	Extreme terahertz science. <i>Nature Photonics</i> , 2017, 11, 16-18.	15.6	335
95	Vector characterization of zero-order terahertz Bessel beams with linear and circular polarizations. <i>Scientific Reports</i> , 2017, 7, 13929.	1.6	28
96	Metasurfaces in terahertz waveband. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 464004.	1.3	23
97	Observation of Terahertz Radiation via the Two-Color Laser Scheme with Uncommon Frequency Ratios. <i>Physical Review Letters</i> , 2017, 119, 235001.	2.9	82
98	High efficiency and non-Richardson thermionics in three dimensional Dirac materials. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	17
99	Simple and universal method in designs of high-efficiency diffractive optical elements for spectrum separation and beam concentration. <i>Chinese Physics B</i> , 2017, 26, 074202.	0.7	1
100	Reconfigurable terahertz grating with enhanced transmission of TE polarized light. <i>APL Photonics</i> , 2017, 2, .	3.0	12
101	Digital metasurface for wavefront modulation. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
102	New design model for high efficiency cylindrical diffractive microlenses. <i>Scientific Reports</i> , 2017, 7, 16334.	1.6	4
103	High-efficiency terahertz devices based on cross-polarization converter. <i>Scientific Reports</i> , 2017, 7, 17882.	1.6	37
104	Terahertz vortex beam generator based on a photopatterned large birefringence liquid crystal. <i>Optics Express</i> , 2017, 25, 12349.	1.7	79
105	Simultaneous Airy beam generation for both surface plasmon polaritons and transmitted wave based on metasurface. <i>Optics Express</i> , 2017, 25, 23589.	1.7	44
106	Generating, Separating and Polarizing Terahertz Vortex Beams via Liquid Crystals with Gradient-Rotation Directors. <i>Crystals</i> , 2017, 7, 314.	1.0	16
107	Active modulation of the terahertz spectra radiated from two air plasmas. <i>Optics Letters</i> , 2017, 42, 1907.	1.7	5
108	Observation of dehydration dynamics in biological tissues with terahertz digital holography [Invited]. <i>Applied Optics</i> , 2017, 56, F173.	2.1	25

#	ARTICLE	IF	CITATIONS
109	Tailoring axial intensity of laser beams with a heart-shaped hole. <i>Optics Letters</i> , 2017, 42, 4921.	1.7	7
110	Ultrafast terahertz response in photoexcited, vertically grown few-layer graphene. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	13
111	A broadband terahertz ultrathin multi-focus lens. <i>Scientific Reports</i> , 2016, 6, 28800.	1.6	51
112	Spectra modulation of terahertz radiation from air plasma. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
113	Terahertz wavelength encoding compressive imaging. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
114	Terahertz beam shaping with metasurface. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
115	Abruptly autofocusing THz waves with meta-hologram. , 2016, , .		0
116	Metasurface-based devices for terahertz wavefront modulation. , 2016, , .		0
117	Digital holographic imaging of terahertz surface waves. , 2016, , .		0
118	Wavelength de-multiplexing metasurface hologram. <i>Scientific Reports</i> , 2016, 6, 35657.	1.6	41
119	Controlling the Bandwidth of Terahertz Low-Scattering Metasurfaces. <i>Advanced Optical Materials</i> , 2016, 4, 1773-1779.	3.6	39
120	Visualization of terahertz surface waves propagation on metal foils. <i>Scientific Reports</i> , 2016, 6, 18768.	1.6	10
121	Exciton localization in solution-processed organolead trihalide perovskites. <i>Nature Communications</i> , 2016, 7, 10896.	5.8	195
122	A Miniaturized Polymer Grating for Topological Order Detection of Cylindrical Vector Beams. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 2799-2802.	1.3	17
123	Terahertz Digital Holography and Its Application. , 2016, , .		0
124	Spectrum-Splitting Diffractive Optical Element of High Concentration Factor and High Optical Efficiency for Three-Junction Photovoltaics. <i>Chinese Physics Letters</i> , 2016, 33, 094207.	1.3	3
125	Abruptly autofocusing terahertz waves with meta-hologram. <i>Optics Letters</i> , 2016, 41, 2787.	1.7	35
126	Theoretical study on ultrafast dynamics of coherent acoustic phonons in semiconductor nanocrystals. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 185101.	1.3	1



#	ARTICLE	IF	CITATIONS
127	The imaging properties of the metal superlens. Optics Communications, 2016, 368, 180-184.	1.0	6
128	Terahertz Tunable Metasurface Lens Based on Vanadium Dioxide Phase Transition. Plasmonics, 2016, 11, 1285-1290.	1.8	49
129	Longitudinal field characterization of converging terahertz vortices with linear and circular polarizations. Optics Express, 2016, 24, 7178.	1.7	28
130	Phonon induced pure dephasing process of excitonic state in colloidal semiconductor quantum dots. Superlattices and Microstructures, 2016, 92, 52-59.	1.4	3
131	Extraordinary transmission through periodic coaxial aperture arrays at terahertz frequencies. Optik, 2016, 127, 178-181.	1.4	1
132	Multiple-image encryption based on computational ghost imaging. Optics Communications, 2016, 359, 38-43.	1.0	110
133	[INVITED] A miniaturized optical fiber microphone with concentric nanorings grating and microsprints structured diaphragm. Optics and Laser Technology, 2016, 78, 110-115.	2.2	25
134	Observation and explanation of polarization-controlled focusing of terahertz surface plasmon polaritons. Physical Review A, 2015, 91, .	1.0	13
135	Circular polarization analyzer with polarization tunable focusing of surface plasmon polaritons. Applied Physics Letters, 2015, 107, .	1.5	22
136	Achromatic THz absorption of conductive nanofilms. AIP Advances, 2015, 5, 107139.	0.6	3
137	Spin-selected focusing and imaging based on metasurface lens. Optics Express, 2015, 23, 26434.	1.7	74
138	Polarization-dependent focusing of terahertz surface plasmon polaritons. , 2015, , .		0
139	Micro-antennas for the phase and amplitude modulation of terahertz wave. , 2015, , .		1
140	Vector characterization of a focused terahertz beam. , 2015, , .		0
141	Active modulation of terahertz wavefront. , 2015, , .		0
142	Generation of terahertz vector beams with a concentric ring metal grating and photo-generated carriers. Optics Letters, 2015, 40, 359.	1.7	28
143	Secure optical verification using dual phase-only correlation. Journal of Optics (United Kingdom), 2015, 17, 025703.	1.0	4
144	Point light source imaging by a three-dimensional long-imaging-depth lens. Optics Communications, 2015, 347, 141-146.	1.0	0

#	ARTICLE	IF	CITATIONS
145	An Analog of electrically induced transparency via surface delocalized modes. Scientific Reports, 2015, 5, 12251.	1.6	4
146	Demonstration of a 3D Radar-Like SERS Sensor Micro- and Nanofabricated on an Optical Fiber. Advanced Optical Materials, 2015, 3, 1232-1239.	3.6	48
147	Enhancement of Optical Magnetic Modes by Controlling the Handedness of Symmetry Breaking in Fano Metamolecules. IEEE Journal of Quantum Electronics, 2015, 51, 1-8.	1.0	4
148	Terahertz polarization modulator based on metasurface. Journal of Optics (United Kingdom), 2015, 17, 105107.	1.0	14
149	Axial intensity oscillation suppression for plane-wave diffraction from a circular hole: Flattened Gaussian apodization. Optics Communications, 2015, 335, 178-182.	1.0	2
150	Ultrahigh Q-factor and figure of merit Fano metamaterial based on dark ring magnetic mode. Optics Communications, 2015, 335, 60-64.	1.0	18
151	Multiple-image encryption based on optical asymmetric key cryptosystem. Optics Communications, 2015, 335, 205-211.	1.0	38
152	Fingerprint data extraction from Chinese herbal medicines with terahertz spectrum based on second-order harmonic oscillator model. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 024202.	0.2	2
153	Terahertz surface plasmon polaritons imaging system. , 2014, , .		0
154	Optical steerable terahertz zone plate. , 2014, , .		0
155	Full vector measurements of converging terahertz beams with linear, circular, and cylindrical vortex polarization. Optics Express, 2014, 22, 24622.	1.7	20
156	Comprehensive imaging of terahertz surface plasmon polaritons. Optics Express, 2014, 22, 16916.	1.7	17
157	Ultrathin Metasurface Laser Beam Shaper. Advanced Optical Materials, 2014, 2, 978-982.	3.6	69
158	Transmission through array of subwavelength metallic slits curved with a single step or multi-step. Chinese Physics B, 2014, 23, 034202.	0.7	1
159	Optimization of the Rayleigh anomaly of metallic gratings for terahertz sensor applications. Journal of Optics (United Kingdom), 2014, 16, 094015.	1.0	5
160	Dispersion characteristic of ultrathin terahertz planar lenses based on metasurface. Optics Communications, 2014, 322, 164-168.	1.0	37
161	Optimization design of a diffractive axicon for improving the performance of long focal depth. Optics Communications, 2014, 330, 1-5.	1.0	7
162	Multiple-Wavelength Focusing and Demultiplexing Plasmonic Lens Based on Asymmetric Nanoslit Arrays. Plasmonics, 2013, 8, 1535-1541.	1.8	17

#	ARTICLE	IF	CITATIONS
163	Accelerated algorithm for three-dimensional computer generated hologram based on the ray-tracing method. <i>Journal of Modern Optics</i> , 2013, 60, 797-802.	0.6	5
164	A Monotonic-Increasing-Thickness Model for Designing Cylindrically Diffractive Focusing Micromirrors and Micromirror Arrays. <i>Journal of Lightwave Technology</i> , 2013, 31, 930-935.	2.7	0
165	Uniform axial intensity distributions of long-focal-depth cylindrical micromirrors realized by an amplitude-phase modulation method. <i>Journal of Modern Optics</i> , 2013, 60, 688-695.	0.6	0
166	Continuous wave terahertz phase imaging with three-step phase-shifting. <i>Optik</i> , 2013, 124, 5533-5536.	1.4	14
167	Validity range of the improved Rayleigh-Sommerfeld method in analyzing metallic cylindrical focusing micromirrors. <i>Optics Communications</i> , 2013, 291, 359-365.	1.0	1
168	Rigorous electromagnetic analysis of a dual-metallic-cylindrical-focusing-micromirror array with long focal depth. <i>Optik</i> , 2013, 124, 1961-1965.	1.4	0
169	A Broadband Nanosensor based on Multi-Interference of Surface Plasmon Polaritons. <i>Plasmonics</i> , 2013, 8, 741-744.	1.8	8
170	Ultrathin Terahertz Planar Elements. <i>Advanced Optical Materials</i> , 2013, 1, 186-191.	3.6	207
171	Accurate determination of terahertz optical constants by vector network analyzer of Fabry-Perot response. <i>Optics Letters</i> , 2013, 38, 5438.	1.7	18
172	Standing-Wave Plasmonic Resonance in Terahertz Extraordinary Transmission. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013, 19, 8400606-8400606.	1.9	1
173	Image encryption under spatially incoherent illumination. , 2013, , .		0
174	An ultrathin terahertz lens with axial long focal depth based on metasurfaces. <i>Optics Express</i> , 2013, 21, 30030.	1.7	106
175	Focusing and imaging of a virtual all-optical tunable terahertz Fresnel zone plate. <i>Optics Letters</i> , 2013, 38, 4731.	1.7	31
176	Complete presentation of the Gouy phase shift with the THz digital holography. <i>Optics Express</i> , 2013, 21, 2337.	1.7	15
177	Generation and evolution of the terahertz vortex beam. <i>Optics Express</i> , 2013, 21, 20230.	1.7	184
178	Optical image encryption with spatially incoherent illumination. <i>Optics Letters</i> , 2013, 38, 1289.	1.7	52
179	A new near-field phase-correction method for superlens. <i>Chinese Physics B</i> , 2013, 22, 114202.	0.7	5
180	A single diffractive optical element implementing spectrum-splitting and beam-concentration functions simultaneously with high diffraction efficiency. <i>Chinese Physics B</i> , 2013, 22, 034201.	0.7	8

#	ARTICLE	IF	CITATIONS
181	Active control of terahertz multimode resonance transmission through subwavelength metal annular aperture arrays. <i>Journal of Modern Optics</i> , 2013, 60, 1548-1553.	0.6	0
182	Spatial Terahertz Modulator. <i>Scientific Reports</i> , 2013, 3, .	1.6	116
183	Active terahertz holography. , 2013, , .		3
184	Long-focal-depth cylindrical microlens with flat axial intensity distributions. <i>Journal of Modern Optics</i> , 2012, 59, 90-94.	0.6	4
185	Mode Measurement of a Metallic Coaxial Waveguide with THz digital holography. , 2012, , .		0
186	Analysis of focal-shift effect in planar metallic nanoslit lenses. <i>Optics Express</i> , 2012, 20, 1320.	1.7	26
187	Coaxial waveguide mode reconstruction and analysis with THz digital holography. <i>Optics Express</i> , 2012, 20, 7706.	1.7	23
188	Chromatic aberration of light focusing in hyperbolic anisotropic metamaterial made of metallic slit array. <i>Optics Express</i> , 2012, 20, 28586.	1.7	16
189	Optical transport through finite superlattice modulated with three-component quasiperiodic defect. <i>Journal of Applied Physics</i> , 2012, 112, 043524.	1.1	0
190	PERFECT OPTICAL TRANSPORT AND OPTICAL BAND GAP IN QUASIPERIODIC SUPERLATTICES. <i>Modern Physics Letters B</i> , 2012, 26, 1250110.	1.0	0
191	Terahertz digital holography. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
192	A method to monitor the oil pollution in water with reflective pulsed terahertz tomography. <i>Optik</i> , 2012, 123, 1980-1984.	1.4	8
193	Mode analysis of a metallic coaxial terahertz waveguide. , 2012, , .		0
194	High transmission of annular aperture arrays caused by symmetry breaking. <i>Physical Review A</i> , 2012, 85, .	1.0	8
195	Polarization independent extraordinary transmission through a subwavelength slit. <i>Optics Communications</i> , 2012, 285, 1523-1527.	1.0	4
196	Experimental characterization of hexaferrite ceramics from 100 GHz to 1 THz using vector network analysis and terahertz-time domain spectroscopy. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	13
197	Metallic cylindrical focusing micromirrors with long axial focal depth or increased lateral resolution. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011, 28, 1051.	0.8	5
198	Optical lens design based on metallic nanoslits with variant widths. <i>Applied Optics</i> , 2011, 50, 1879.	2.1	11

#	ARTICLE	IF	CITATIONS
199	Optimization design of diffractive phase elements for beam shaping. Applied Optics, 2011, 50, 5938.	2.1	9
200	Optical stream-cipher-like system for image encryption based on Michelson interferometer. Optics Express, 2011, 19, 2634.	1.7	48
201	Optimal design of SPP-based metallic nanoaperture optical elements by using Yang-Gu algorithm. Optics Express, 2011, 19, 9512.	1.7	15
202	Near-field properties of double nanoslits coupled with a wide collection cavity drilled on a metal film. Optik, 2011, 122, 1828-1831.	1.4	1
203	Optical multi-image encryption based on frequency shift. Optik, 2011, 122, 1010-1013.	1.4	45
204	Control of photonic band gaps in one-dimensional photonic crystals. Optik, 2011, 122, 330-332.	1.4	14
205	Transmission through metallic array slits curved with perpendicular waveguides. Optics Communications, 2011, 284, 877-880.	1.0	2
206	Transmission properties of light through a metallic nanoslit with a defected horizontal nanocavity. Optics Communications, 2011, 284, 3456-3461.	1.0	0
207	Rigorous electromagnetic analysis of metallic cylindrical focusing micromirrors designed by a modified focal-length function. Proceedings of SPIE, 2011, , .	0.8	0
208	Low-frequency vibrational modes of glutamine. Chinese Physics B, 2011, 20, 123301.	0.7	13
209	Terahertz real time focal plane imaging. , 2011, , .		0
210	Directional design of optical lens based on metallic nano-slits with variant widths. Proceedings of SPIE, 2010, , .	0.8	0
211	Image hiding using optical interference. , 2010, , .		0
212	Continuous wave terahertz phase imaging. , 2010, , .		0
213	Various evaluations of a diffractive transmitted field of light through a one-dimensional metallic grating with subwavelength slits. Open Physics, 2010, 8, .	0.8	2
214	Resonant cavity based antireflection structures for surface plasmon waveguides. Applied Physics B: Lasers and Optics, 2010, 98, 797-802.	1.1	12
215	Localized surface plasmons-based transmission enhancement of terahertz radiation through metal aperture arrays. Optik, 2010, 121, 1423-1426.	1.4	4
216	Coupled metallic ring gap waveguide. Optics Communications, 2010, 283, 1542-1545.	1.0	4

#	ARTICLE	IF	CITATIONS
217	Thermally tunable THz filter made of semiconductors. Optics Communications, 2010, 283, 865-868.	1.0	28
218	A novel normal reflection terahertz spectrometer. Optik, 2010, 121, 1148-1153.	1.4	2
219	Can the point source method be used for design of sub-wavelength surface plasmon devices?. Optik, 2010, 121, 1702-1707.	1.4	0
220	Transmitted interference effect of double metallic nanoslits composed of a slit and a square-funnel slit. Optics Communications, 2010, 283, 608-612.	1.0	1
221	Rigorous electromagnetic analysis of metallic cylindrical focusing micromirrors with high diffraction efficiency, achromatic aberration and long focal depth. Optics Communications, 2010, 283, 1661-1667.	1.0	8
222	Terahertz real-time imaging with balanced electro-optic detection. Optics Communications, 2010, 283, 4626-4632.	1.0	70
223	Mechanically and electronically controlled molecular switch behavior in a compound molecular device. Applied Physics Letters, 2010, 97, 103506.	1.5	16
224	Plasmon flow control at gap waveguide junctions using square ring resonators. Journal Physics D: Applied Physics, 2010, 43, 055103.	1.3	43
225	Electronic transport properties in a bimolecular device modulated with different side groups. Journal of Applied Physics, 2010, 107, .	1.1	25
226	Continuous-wave terahertz interferometry with multiwavelength phase unwrapping. Applied Optics, 2010, 49, 5095.	2.1	25
227	Terahertz polarization real-time imaging based on balanced electro-optic detection. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 2387.	0.8	95
228	Numerical analysis of surface plasmon nanocavities formed in thickness-modulated metal-insulator-metal waveguides. Chinese Physics B, 2010, 19, 054201.	0.7	5
229	Electronic transport properties in doped C60 molecular devices. Applied Physics Letters, 2009, 94, .	1.5	81
230	Influence of waveguide width on transmission through metallic slit array with perpendicular waveguides. , 2009, , .		0
231	Terahertz multispectral focal plane imaging. Proceedings of SPIE, 2009, , .	0.8	1
232	Transitions between semiconductor and metal induced by mixed deformation in carbon nanotube devices. Applied Physics Letters, 2009, 94, .	1.5	28
233	Double images hiding based on optical interference. Optics Communications, 2009, 282, 3439-3443.	1.0	49
234	Enlargement of the band gap in the metal-insulator-metal heterowaveguide. Optics Communications, 2009, 282, 1116-1119.	1.0	3

#	ARTICLE	IF	CITATIONS
235	Defect modes and wavelength tuning of one-dimensional photonic crystal with lithium niobate. <i>Optik</i> , 2009, 120, 195-198.	1.4	51
236	Transmission properties of photonic quantum well composed of dispersive materials. <i>Optik</i> , 2009, 120, 736-740.	1.4	8
237	Influence of slit width on the electromagnetic transmission of a periodic metallic grating. <i>Optik</i> , 2009, 120, 1016-1020.	1.4	3
238	Terahertz quasi-near-field real-time imaging. <i>Optics Communications</i> , 2009, 282, 4683-4687.	1.0	33
239	The evolution of the localized plasmon modes in a semi-infinite superlattice with cap layer. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 1347-1352.	1.3	3
240	Enhancement of image hiding by exchanging two phase masks. <i>Journal of Optics</i> , 2009, 11, 125406.	1.5	64
241	Terahertz wave focal-plane multiwavelength phase imaging. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2009, 26, 1187.	0.8	9
242	Transmission through metallic array slits with perpendicular cuts. <i>Optics Express</i> , 2009, 17, 5014.	1.7	43
243	Improved first Rayleigh-Sommerfeld method applied to metallic cylindrical focusing micro mirrors. <i>Optics Express</i> , 2009, 17, 7348.	1.7	15
244	Surface plasmon reflector based on serial stub structure. <i>Optics Express</i> , 2009, 17, 20134.	1.7	77
245	Transmission interference tuned by an external static magnetic field in a two-slit structure. <i>Applied Physics Letters</i> , 2009, 95, 121103.	1.5	7
246	Restoration of terahertz signals distorted by atmospheric water vapor absorption. <i>Journal of Applied Physics</i> , 2009, 105, 103105.	1.1	10
247	Double images hiding based on optical interference. , 2009, , .		3
248	Optical image hiding based on interference. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
249	Correlations between Terahertz Spectra and Molecular Structures of 20 Standard $\alpha$ -Amino Acids. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2009, 25, 2074-2079.	2.2	39
250	Optical transmission resonances tuned by external static magnetic field in an n-doped semiconductor grating with subwavelength slits. <i>Optics Communications</i> , 2008, 281, 6120-6123.	1.0	11
251	Terahertz Digital Holography. <i>Strain</i> , 2008, 44, 380-385.	1.4	98
252	Suppression of spectral interferences due to water-vapor rotational transitions in terahertz time-domain spectroscopy. <i>Optics Letters</i> , 2008, 33, 1354.	1.7	9

#	ARTICLE	IF	CITATIONS
253	Optical image encryption based on interference. Optics Letters, 2008, 33, 2443.	1.7	373
254	Polarization information for terahertz imaging. Applied Optics, 2008, 47, 6422.	2.1	34
255	External electric field control of THz pulse generation in ambient air. Optics Express, 2008, 16, 16573.	1.7	24
256	Effect of the evanescent modes on ballistic thermal transport in quantum structures. Journal of Applied Physics, 2008, 103, 084501.	1.1	26
257	Design of defective nonlinear photonic crystals for multiple wavelengthsâ€™ second harmonic generation. Journal of Optics, 2008, 10, 025201.	1.5	7
258	Transmission resonances of two-constituent metal/dielectric gratings with subwavelength slits. Applied Physics Letters, 2008, 92, .	1.5	10
259	Acoustic phonon transport and ballistic thermal conductance through a three-dimensional double-bend quantum structure. Journal of Applied Physics, 2008, 104, 054312.	1.1	17
260	Numerical investigation of the parameter dependences of nanolithography by using micro-structured metal grating. Journal of Optics, 2007, 9, 506-510.	1.5	3
261	Identification of explosives and drugs and inspection of material defects with THz radiation. Proceedings of SPIE, 2007, 6840, 162.	0.8	8
262	Terahertz absorbance spectrum fitting method for quantitative detection of concealed contraband. Journal of Applied Physics, 2007, 102, 113108.	1.1	22
263	Ballistic thermal conductance in a three-dimensional quantum wire modulated with stub structure. Applied Physics Letters, 2007, 90, 193502.	1.5	49
264	Waveguide resonance of subwavelength metallic slits. Chinese Physics B, 2007, 16, 1315-1319.	1.3	3
265	Reflective terahertz en-face tomography. , 2007, , .		0
266	Investigation of coupled third harmonic generation in one-dimensional defective nonlinear photonic crystals. Optics Express, 2007, 15, 6908.	1.7	4
267	Terahertz pulse reflective focal-plane tomography. Optics Express, 2007, 15, 14369.	1.7	16
268	Influence of grooves in the electromagnetic transmission of a periodic metallic grating filter. Optics Communications, 2007, 271, 132-136.	1.0	3
269	Numerical investigation of the transmission enhancement through subwavelength hole array. Optics Communications, 2007, 274, 236-240.	1.0	31
270	Terahertz time-domain spectroscopy for explosive imaging. Optik, 2007, 118, 325-329.	1.4	47



#	ARTICLE	IF	CITATIONS
271	Detection and identification of illicit drugs using terahertz imaging. Journal of Applied Physics, 2006, 100, 103104.	1.1	113
272	Terahertz multiwavelength phase imaging without 2π ambiguity. Optics Letters, 2006, 31, 3668.	1.7	72
273	Vibrational spectrum of $\hat{1}^3$ -HNIW investigated using terahertz time-domain spectroscopy. Optics Express, 2006, 14, 3654.	1.7	21
274	Iterative reconstruction of wave front from an in-line hologram sequence. , 2006, , .		0
275	Optical encryption and verification technique for information coding in multiple-wavelengths in Fresnel domain. Optik, 2006, 117, 516-524.	1.4	6
276	Investigation of one-dimensional photonic crystals composed of dispersive materials. Optics Communications, 2006, 265, 542-550.	1.0	6
277	Characterization of diffraction patterns directly from in-line holograms using the Gabor transform. Optik, 2005, 116, 87-91.	1.4	1
278	Wave field reconstruction from a hologram sequence. Optics Communications, 2005, 249, 73-77.	1.0	4
279	A new distribution scheme of decryption keys used in optical verification system with multiple-wavelength information. Chinese Physics B, 2005, 14, 1996-2003.	1.3	0
280	INVESTIGATION OF PROPERTIES OF THE CONFINED STATES IN PHOTONIC QUANTUM-WELL STRUCTURES. International Journal of Modern Physics B, 2005, 19, 3705-3712.	1.0	1
281	A new method for generating axially-symmetric and radially-polarized beams. Journal Physics D: Applied Physics, 2005, 38, 827-832.	1.3	27
282	Reconstruction of In-Line Holograms Using Phase Retrieval Algorithms. Physica Scripta, 2005, , 102.	1.2	1
283	Wave-front reconstruction from a sequence of interferograms recorded at different planes. Optics Letters, 2005, 30, 833.	1.7	264
284	Reconstruction of in-line hologram by using iterative algorithm. , 2005, 5856, 55.		0
285	Phase retrieval microscopy for quantitative phase-contrast imaging. Optik, 2004, 115, 94-96.	1.4	15
286	Investigation of erbium-doped fiber laser intra-cavity absorption sensor for gas detection. Optics Communications, 2004, 232, 295-301.	1.0	30
287	Aperiodic photonic quantum-well structures for multiple channeled filtering at arbitrary preassigned frequencies. Optics Express, 2004, 12, 5910.	1.7	11
288	Reconstruction of in-line digital holograms from two intensity measurements. Optics Letters, 2004, 29, 1787.	1.7	96

#	ARTICLE	IF	CITATIONS
289	Applications of fractional transforms to object reconstruction from in-line holograms. Optics Letters, 2004, 29, 1793.	1.7	10
290	Multi-point, fiber-optic gas detection with intra-cavity spectroscopy. Optics Communications, 2003, 220, 361-364.	1.0	36
291	Sensitivity enhancement in erbium-doped fiber laser intra-cavity absorption sensor. Sensors and Actuators A: Physical, 2003, 104, 183-187.	2.0	36
292	Image reconstruction for in-line holography with the Yang-Gu algorithm. Applied Optics, 2003, 42, 6452.	2.1	14
293	Whole optical wave field reconstruction from double or multi in-line holograms by phase retrieval algorithm. Optics Express, 2003, 11, 3234.	1.7	193
294	Novel intracavity sensing network based on mode-locked fiber laser. IEEE Photonics Technology Letters, 2002, 14, 1336-1338.	1.3	31
295	Optical encryption based on iterative fractional Fourier transform. Optics Communications, 2002, 202, 277-285.	1.0	175
296	Resolution improvement in optical coherence tomography by optimal synthesis of light-emitting diodes. Optics Letters, 2001, 26, 205.	1.7	55
297	Optical Fractional Derivative Matched Correlator. Optical Review, 2001, 8, 318-322.	1.2	1
298	Resolution improvement in optical coherence tomography based on destructive interference. Optics Communications, 2001, 187, 65-70.	1.0	11
299	Numerical investigations of optimal synthesis of several low coherence sources for resolution improvement. Optics Communications, 2001, 192, 183-192.	1.0	12
300	Optimal design of aperiodically poled lithium niobate crystals for multiple wavelengths parametric amplification. Optics Communications, 2001, 192, 417-425.	1.0	38
301	Characters of the semiconductor laser with strong feedback. Optik, 2001, 112, 91-96.	1.4	12
302	Self-fractional Hankel functions and their properties. Optics Communications, 2000, 176, 71-75.	1.0	15
303	Investigations of harmonic generations in aperiodic optical superlattices. Journal of Applied Physics, 2000, 87, 7629-7637.	1.1	48
304	Electron transport across one-dimensional modulated superlattices in a quantum waveguide in magnetic fields. Journal of Applied Physics, 2000, 88, 300-308.	1.1	4
305	Enhanced harmonic generation in aperiodic optical superlattices. Applied Physics Letters, 1999, 75, 2175-2177.	1.5	82
306	New optical configurations for implementing Radon-Wigner display: matrix analysis approach. Optics Communications, 1999, 160, 292-300.	1.0	3

#	ARTICLE	IF	CITATIONS
307	Novel implementation of the Radon-Wigner display. Optics Communications, 1999, 166, 21-24.	1.0	1
308	A new kind of windowed fractional transforms. Optics Communications, 1998, 152, 127-134.	1.0	7
309	Rotation-invariant and controllable space-variant optical correlation. Applied Optics, 1998, 37, 6256.	2.1	4
310	Optical implementations of the Radon-Wigner display for one-dimensional signals. Optics Letters, 1998, 23, 1126.	1.7	10
311	Beam shaping in the fractional Fourier transform domain. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 1114.	0.8	75
312	Generation of self-fractional Hankel functions. Journal of Physics A, 1998, 31, 9769-9772.	1.6	0
313	<title>Design of diffractive phase elements for beam shaping in the fractional Fourier transform domain</title>. , 1998, , .		1
314	Generalized fractional Fourier transforms. Journal of Physics A, 1997, 30, 973-981.	1.6	15
315	Fractional Gabor transform. Optics Letters, 1997, 22, 1583.	1.7	20
316	Numerical investigation of phase retrieval in a fractional Fourier transform. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1997, 14, 2709.	0.8	34
317	Properties of the fractionalization of a Fourier transform. Optics Communications, 1997, 133, 50-54.	1.0	24
318	General optical implementations of fractional Fourier transforms. Optics Letters, 1995, 20, 1053.	1.7	39