

Yan Li

List of Publications by Year in descending order

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87
papers

1,995
citations

236612

25
h-index

264894

42
g-index

87
all docs

87
docs citations

87
times ranked

1865
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional hole drilling of silica glass from the rear surface with femtosecond laser pulses. Optics Letters, 2001, 26, 1912.	1.7	249
2	D-shaped photonic crystal fiber plasmonic refractive index sensor based on gold grating. Applied Optics, 2018, 57, 5268.	0.9	133
3	Polarization-controlled color-tunable holograms with dielectric metasurfaces. Optica, 2017, 4, 1368.	4.8	86
4	[INVITED] Ultrafast laser micro-processing of transparent material. Optics and Laser Technology, 2016, 78, 52-61.	2.2	78
5	Polarization-independent longitudinal multi-focusing metalens. Optics Express, 2015, 23, 29855.	1.7	75
6	Perfect vortex in three-dimensional multifocal array. Optics Express, 2016, 24, 28270.	1.7	66
7	Simultaneous multi-microhole drilling of soda-lime glass by water-assisted ablation with femtosecond laser pulses. Optics Express, 2005, 13, 1855.	1.7	60
8	Information Encoding with Optical Dielectric Metasurface via Independent Multichannels. ACS Photonics, 2019, 6, 230-237.	3.2	57
9	Ultracompact fiber sensor tip based on liquid polymer-filled Fabry-Perot cavity with high temperature sensitivity. Sensors and Actuators B: Chemical, 2016, 233, 496-501.	4.0	55
10	Excitation and separation of vortex modes in twisted air-core fiber. Optics Express, 2016, 24, 8310.	1.7	54
11	Plasmonics metalens independent from the incident polarizations. Optics Express, 2015, 23, 16782.	1.7	51
12	Single microchannel high-temperature fiber sensor by femtosecond laser-induced water breakdown. Optics Letters, 2013, 38, 335.	1.7	47
13	Ultra-thin optical vortex phase plate based on the metasurface and the angular momentum transformation. Journal of Optics (United Kingdom), 2015, 17, 045102.	1.0	46
14	Optical Fiber Gas Pressure Sensor Based on Polydimethylsiloxane Microcavity. Journal of Lightwave Technology, 2021, 39, 2988-2993.	2.7	45
15	Broadband zero-backward and near-zero-forward scattering by metallo-dielectric core-shell nanoparticles. Scientific Reports, 2015, 5, 12491.	1.6	44
16	Precision Measurement of Fractional Orbital Angular Momentum. Physical Review Applied, 2019, 12, .	1.5	44
17	All-fiber orbital angular momentum mode multiplexer based on a mode-selective photonic lantern and a mode polarization controller. Optics Letters, 2018, 43, 4779.	1.7	38
18	Ultra-compact, fast-responsive and highly-sensitive humidity sensor based on a polymer micro-rod on the end-face of fiber core. Sensors and Actuators B: Chemical, 2019, 290, 23-27.	4.0	36

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19	Simple fiber-optic sensor for simultaneous and sensitive measurement of high pressure and high temperature based on the silica capillary tube. <i>Optics Express</i> , 2019, 27, 25777.	1.7	35
20	Manipulating ellipsoidal micro-particles by femtosecond vortex tweezers. <i>Journal of Optics (United Kingdom)</i> , 2019, 20, 125604.	1.0	32
21	Femtosecond laser-induced breakdown in distilled water for fabricating the helical microchannels array. <i>Optics Letters</i> , 2011, 36, 4236.	1.7	31
22	Water-assisted femtosecond laser ablation for fabricating three-dimensional microfluidic chips. <i>Current Applied Physics</i> , 2013, 13, 1292-1295.	1.1	30
23	Hollow Silica Photonic Crystal Fiber Guiding 10 ¹ Orbital Angular Momentum Modes Without Phase Distortion in C+L Band. <i>Journal of Lightwave Technology</i> , 2020, 38, 1010-1018.	2.7	30
24	Chiral optical field generated by an annular subzone vortex phase plate. <i>Optics Letters</i> , 2018, 43, 4594.	1.7	29
25	Living cell manipulation in a microfluidic device by femtosecond optical tweezers. <i>Optics and Lasers in Engineering</i> , 2014, 55, 150-154.	2.0	26
26	Fabrication of microfluidic devices in silica glass by water-assisted ablation with femtosecond laser pulses. <i>Journal of Micromechanics and Microengineering</i> , 2011, 21, 075008.	1.5	25
27	Calculating the torque of the optical vortex tweezer to the ellipsoidal micro-particles. <i>Optics Communications</i> , 2015, 354, 34-39.	1.0	23
28	Perfect optical vortex array for optical communication based on orbital angular momentum shift keying. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 125604.	1.0	23
29	High sensitivity fiber acoustic sensor tip working at 1550 nm fabricated by two-photon polymerization technique. <i>Sensors and Actuators A: Physical</i> , 2017, 260, 29-34.	2.0	20
30	High-capacity spatial-division multiplexing with orbital angular momentum based on multi-ring fiber. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 055601.	1.0	20
31	Controllable rotation of multiplexing elliptic optical vortices. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 495103.	1.3	19
32	High numerical aperture multifocal metalens based on Pancharatnam-Berry phase optical elements. <i>Applied Optics</i> , 2018, 57, 7891.	0.9	18
33	High-sensitivity double-parameter sensor based on the fibre-tip Fabry-Pérot interferometer. <i>Journal of Modern Optics</i> , 2017, 64, 596-600.	0.6	17
34	Fiber-optic sensor tip for measuring temperature and liquid refractive index. <i>Optical Engineering</i> , 2014, 53, 116110.	0.5	16
35	Multifocal array with controllable orbital angular momentum modes by tight focusing. <i>Optics Communications</i> , 2017, 382, 559-564.	1.0	16
36	Fabrication of spiral-shaped microfluidic channels in glass by femtosecond laser. <i>Materials Letters</i> , 2010, 64, 1427-1429.	1.3	15

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37	Enhanced Forward Scattering of Ellipsoidal Dielectric Nanoparticles. <i>Nanoscale Research Letters</i> , 2017, 12, 58.	3.1	15
38	A phase-to-intensity strategy of angular velocity measurement based on photonic orbital angular momentum. <i>Nanophotonics</i> , 2022, 11, 865-872.	2.9	15
39	Ultra-thin optical vortex phase plate based on the L-shaped nanoantenna for both linear and circular polarized incidences. <i>Optics Communications</i> , 2015, 355, 321-325.	1.0	14
40	HACF-based optical tweezers available for living cells manipulating and sterile transporting. <i>Optics Communications</i> , 2018, 427, 563-566.	1.0	14
41	Sliver spherical nanoshells coated gain-assisted ellipsoidal silica core for low-threshold surface plasmon amplification. <i>Optics Communications</i> , 2015, 355, 580-585.	1.0	13
42	Multiparameter Controllable Chiral Optical Patterns. <i>Physical Review Applied</i> , 2020, 14, .	1.5	13
43	L-shaped metasurface for both the linear and circular polarization conversions. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 065103.	1.0	12
44	High order perfect optical vortex shaping. <i>Optics Communications</i> , 2019, 435, 93-96.	1.0	12
45	Ultra-Sensitive Optical Fiber Humidity Sensor via Au-Film-Assisted Polyvinyl Alcohol Micro-Cavity and Vernier Effect. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-9.	2.4	11
46	Ultrasensitive liquid refractometer based on a Mach-Zehnder micro-cavity in optical fibre fabricated by femtosecond laser-induced water breakdown. <i>Journal of Modern Optics</i> , 2016, 63, 2285-2290.	0.6	10
47	Vortex chirality-dependent filtering in helically twisted single-ring photonic crystal fibers. <i>Optics Express</i> , 2019, 27, 20816.	1.7	10
48	Orbital angular momentum demultiplexing with synthetic partial aperture receivers. <i>Optics Letters</i> , 2019, 44, 2689.	1.7	10
49	The effects of heat treatment on microfluidic devices fabricated in silica glass by femtosecond lasers. <i>Chinese Physics B</i> , 2012, 21, 034208.	0.7	9
50	Liquid refractive index sensor with three-cascaded microchannels in single-mode fiber fabricated by femtosecond laser-induced water breakdown. <i>Applied Physics B: Lasers and Optics</i> , 2013, 110, 585-589.	1.1	9
51	Topological charge measurement of concentric OAM states using the phase-shift method. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018, 35, A40.	0.8	9
52	Detection of multiplexing orbital angular momentum states by single objective. <i>Optics Communications</i> , 2018, 428, 84-88.	1.0	9
53	Large-Range, Highly-Sensitive, and Fast-Responsive Optical Fiber Temperature Sensor Based on the Sealed Ethanol in Liquid State Up to its Supercritical Temperature. <i>IEEE Photonics Journal</i> , 2019, 11, 1-12.	1.0	9
54	Valence state change and defect centers induced by infrared femtosecond laser in Yb:YAG crystals. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	8

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55	High Sensitivity Fiber Gas Pressure Sensor with Two Separated Fabry-Pérot Interferometers Based on the Vernier Effect. <i>Photonics</i> , 2022, 9, 31.	0.9	8
56	On-Chip Orbital Angular Momentum Sorting With a Surface Plasmon Polariton Lens. <i>Journal of Lightwave Technology</i> , 2021, 39, 1423-1428.	2.7	7
57	Miniature S-shaped polymer fiber tip for simultaneous measurement of the liquid refractive index and temperature with high sensitivities. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 105701.	1.0	6
58	Polarization-independent characteristics of the metasurfaces with the symmetrical axis's orientation angle of 45° or 135°. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 035007.	1.0	6
59	Ultracompact biosensor based on a metalens with a longitudinally structured vector beam. <i>Applied Optics</i> , 2019, 58, 4438.	0.9	6
60	Metalens Focusing the Co-/cross-polarized Lights in Longitudinal Direction. <i>Plasmonics</i> , 2017, 12, 69-75.	1.8	5
61	Generating broadband vortex modes in ring-core fiber by using a plasmonic q-plate. <i>Optics Letters</i> , 2017, 42, 3064.	1.7	5
62	High Sensitivity Flow Velocity Sensor Based on All-Fiber Target-Type Structure. <i>Journal of Lightwave Technology</i> , 2021, 39, 4174-4178.	2.7	5
63	Laser-induced suspension of a microbubble in a liquid-filled fiber microcavity for large-range tilt sensing. <i>Optics Letters</i> , 2020, 45, 2303.	1.7	5
64	Chiro-optical fields with asymmetric orbital angular momentum and polarization. <i>Optics Express</i> , 2022, 30, 7467.	1.7	5
65	Fabrication of polymer compound microlens by lens-on-lens microstructures. <i>Current Applied Physics</i> , 2017, 17, 110-114.	1.1	4
66	Wavelength and polarization multiplexed optical vortex demultiplexer. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 375104.	1.3	4
67	Rotating structured light based on perfect vortex. <i>Applied Physics Express</i> , 2021, 14, 032004.	1.1	4
68	An Ultra-Sensitive Fiber Sensor for Micro-Newton Contact Force Detection Based on a Polymerized Hollow-Cylinder by One-Step Fabrication. <i>IEEE Sensors Journal</i> , 2021, 21, 25710-25715.	2.4	4
69	Dual-parameter demodulated torsion sensor based on the Lyot filter with a twisted polarization-maintaining fiber. <i>Optics Express</i> , 2022, 30, 2288.	1.7	4
70	Measurement of multiplexed fractional vortices with integer mode interval. <i>Results in Physics</i> , 2021, 29, 104699.	2.0	3
71	Ultra-Compact Full-Angle-Range Direction-Distinguishable Tilt Sensor Based on Fiber in-Line Polymer Microcavity. <i>Journal of Lightwave Technology</i> , 2022, 40, 3084-3089.	2.7	3
72	Micro-newton strain force and temperature synchronous fiber sensor with a high Q-factor based on the quartz microbubble integrated in the capillary-taper structure. <i>Optics Express</i> , 2022, 30, 8750.	1.7	3

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73	Microfluidic volume optical monitoring system based on functional channels integrated by hollow cylindrical waveguide. Measurement: Journal of the International Measurement Confederation, 2022, 193, 110951.	2.5	3
74	Polarization-multiplexed metalens via spin-independent manipulation of spin-orbit interactions. Journal of Optics (United Kingdom), 2020, 22, 085103.	1.0	2
75	Highly sensitive optical fiber temperature sensor based on the thermal shift of the liquid-air interface. Optical Engineering, 2019, 58, 1.	0.5	2
76	Center searching and tracking of circular interference fringes for precision measurement. Optical Engineering, 2012, 51, 027003.	0.5	1
77	Fabrication of large-scale ripples on fluorine-doped tin oxide films by femtosecond laser irradiation. Chinese Physics B, 2014, 23, 094209.	0.7	1
78	Taper array in silica glass for beam splitting. Optical Materials, 2016, 53, 6-9.	1.7	1
79	Effects of hydriding and ageing of Pd nanoparticles to contact between nanoparticles and quartz and contacts among nanoparticles investigated by the pump-probe technique. Chemical Physics Letters, 2016, 661, 191-195.	1.2	1
80	Energy-Efficiency Switchable Grating Coupler for Intra-Chip Wireless Optical Interconnection. IEEE Photonics Technology Letters, 2019, 31, 1429-1432.	1.3	1
81	Rotating Ag-Fe ₃ O ₄ -Au Nanograin by Optical Torque with a Monochromatic Light Beam. Plasmonics, 2019, 14, 1081-1089.	1.8	1
82	Design and theoretical demonstration of an on-chip metal Bragg grating switch based on two-beam interference. Journal Physics D: Applied Physics, 2020, 53, 255101.	1.3	1
83	The Introduction of a Cavitation Bubble in Polymer-Capped Fiber Temperature Sensor to Increase Its Wavelength Demodulation Range. IEEE Sensors Journal, 2021, 21, 13283-13289.	2.4	1
84	Extending the Detection Range of Optical Vortices by Dense Phase Stitching Algorithm. Journal of Lightwave Technology, 2021, 39, 4974-4979.	2.7	1
85	Design and modeling of a graphene-based composite structure optical pressure sensor. Optics Express, 2022, 30, 10400.	1.7	1
86	On-Chip Optical Vortex Generation and Topological Charge Control by Methods of Wave Vector Manipulation. IEEE Photonics Journal, 2022, 14, 1-7.	1.0	0
87	Bovine serum albumin label-free concentration sensor based on silica corrosion quantitative monitoring system. Optics Express, 2022, 30, 21725.	1.7	0