

Katsuhiko Miyamoto

List of Publications by Year in descending order

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186
papers

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citations

172457

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175258

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187
all docs

187
docs citations

187
times ranked

1797
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Optical Vortex To Control the Chirality of Twisted Metal Nanostructures. Nano Letters, 2012, 12, 3645-3649.	9.1	436
2	Transfer of Light Helicity to Nanostructures. Physical Review Letters, 2013, 110, 143603.	7.8	272
3	Metal microneedle fabrication using twisted light with spin. Optics Express, 2010, 18, 17967.	3.4	223
4	Light induced conch-shaped relief in an azo-polymer film. Scientific Reports, 2014, 4, 4281.	3.3	113
5	Picosecond optical vortex pulse illumination forms a monocrystalline silicon needle. Scientific Reports, 2016, 6, 21738.	3.3	106
6	A New Twist for Materials Science: The Formation of Chiral Structures Using the Angular Momentum of Light. Advanced Optical Materials, 2019, 7, 1801672.	7.3	89
7	High-power terahertz-wave generation using DAST crystal and detection using mid-infrared powermeter. Optics Letters, 2007, 32, 2885.	3.3	85
8	Direct observation of the topological charge of a terahertz vortex beam generated by a Tsurupica spiral phase plate. Applied Physics Letters, 2014, 104, .	3.3	83
9	Wavelength-versatile optical vortex lasers. Journal of Optics (United Kingdom), 2017, 19, 123002.	2.2	82
10	Widely tunable terahertz-wave generation using an N-benzyl-2-methyl-4-nitroaniline crystal. Optics Letters, 2008, 33, 252.	3.3	61
11	Generation of tunable mid-IR (5.5–9.3 μm) from a 2- μm pumped ZnGeP ₂ optical parametric oscillator. Optics Communications, 2004, 241, 173-178.	2.1	60
12	Optimized terahertz-wave generation using BNA-DFG. Optics Express, 2009, 17, 14832.	3.4	58
13	Constructive spin-orbital angular momentum coupling can twist materials to create spiral structures in optical vortex illumination. Applied Physics Letters, 2016, 108, .	3.3	54
14	Optical vortex pumped mid-infrared optical parametric oscillator. Optics Express, 2011, 19, 12220.	3.4	49
15	Tunable 2- μm optical vortex parametric oscillator. Optics Express, 2012, 20, 23666.	3.4	45
16	Wavelength-agile mid-infrared (5-10 μm) generation using a galvano-controlled KTiOPO ₄ optical parametric oscillator. Optics Letters, 2007, 32, 274.	3.3	44
17	Ultrabroadband terahertz generation using 4-N,N-dimethylamino-4'-methyl-stilbazolium tosylate single crystals. Applied Physics Letters, 2010, 97, 021105.	3.3	43
18	Power scaling of a picosecond vortex laser based on a stressed Yb-doped fiber amplifier. Optics Express, 2011, 19, 994.	3.4	39

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19	Sub-100 W picosecond output from a phase-conjugate Nd:YVO ₄ bounce amplifier. Optics Express, 2009, 17, 20816.	3.4	37
20	High-sensitivity detection of terahertz waves using nonlinear up-conversion in an organic 4-dimethylamino-N-methyl-4-stilbazolium tosylate crystal. Applied Physics Letters, 2010, 97, .	3.3	36
21	Direct generation of red and orange optical vortex beams from an off-axis diode-pumped Pr ³⁺ :YLF laser. Optics Express, 2019, 27, 18190.	3.4	36
22	Preparation and characterization of phospholipid-conjugated indocyanine green as a near-infrared probe. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 7481-7485.	2.2	35
23	High power picosecond vortex laser based on a large-mode-area fiber amplifier. Optics Express, 2009, 17, 14362.	3.4	34
24	Highly intense monocycle terahertz vortex generation by utilizing a Tsurupica spiral phase plate. Scientific Reports, 2016, 6, 38880.	3.3	33
25	Photopolymerization with Light Fields Possessing Orbital Angular Momentum: Generation of Helical Microfibers. ACS Photonics, 2018, 5, 4156-4163.	6.6	33
26	New method to determine the refractive index and the absorption coefficient of organic nonlinear crystals in the ultra-wideband THz region. Optics Express, 2010, 18, 17306.	3.4	32
27	Azo-polymer film twisted to form a helical surface relief by illumination with a circularly polarized Gaussian beam. Optics Express, 2017, 25, 12499.	3.4	32
28	Tunable mid-infrared (63–12 μ m) optical vortex pulse generation. Optics Express, 2014, 22, 26351.	3.4	31
29	Nanosecond vortex laser pulses with millijoule pulse energies from a Yb-doped double-clad fiber power amplifier. Optics Express, 2011, 19, 14420.	3.4	29
30	Handedness control in a 2- μ m optical vortex parametric oscillator. Optics Express, 2013, 21, 23604.	3.4	29
31	Generation of high-quality terahertz OAM mode based on soft-aperture difference frequency generation. Optics Express, 2019, 27, 31840.	3.4	29
32	Surface mapping of carrier density in a GaN wafer using a frequency-agile THz source. Journal of the European Optical Society-Rapid Publications, 0, 4, .	1.9	28
33	Optical vortex pulse illumination to create chiral monocrystalline silicon nanostructures. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 1063-1068.	1.8	28
34	Nanoscale chiral surface relief of azo-polymers with nearfield OAM light. Optics Express, 2018, 26, 22197.	3.4	28
35	Dual-frequency picosecond optical parametric generator pumped by a Nd-doped vanadate bounce laser. Optics Express, 2011, 19, 18523.	3.4	25
36	The Current Trends in SBS and phase conjugation. Laser and Particle Beams, 2012, 30, 117-174.	1.0	25

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37	Widely-tunable vortex output from a singly resonant optical parametric oscillator. Optics Express, 2015, 23, 18338.	3.4	24
38	Direct generation of 523-nm orbital Poincaré mode from a diode-pumped Pr ³⁺ :LiYF ₄ laser with an off-axis optical needle pumping geometry. Optics Express, 2021, 29, 30409.	3.4	24
39	Broadband high-resolution terahertz single-pixel imaging. Optics Express, 2020, 28, 28868.	3.4	23
40	Handedness control in a tunable midinfrared (60–125-μm) vortex laser. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 2406.	2.1	21
41	Freezing of NaClO ₃ Metastable Crystalline State by Optical Trapping in Unsaturated Microdroplet. Crystal Growth and Design, 2018, 18, 734-741.	3.0	19
42	Photopolymerization with high-order Bessel light beams. Optics Letters, 2020, 45, 4080.	3.3	19
43	Octave-band tunable optical vortex parametric oscillator. Optics Express, 2016, 24, 15204.	3.4	18
44	Ultraviolet intracavity frequency-doubled Pr ³⁺ :LiYF ₄ orbital Poincaré laser. Optics Express, 2020, 28, 37397.	3.4	18
45	Optical vortex-induced forward mass transfer: manifestation of helical trajectory of optical vortex. Optics Express, 2019, 27, 38019.	3.4	18
46	Photoacoustic Microscope Using Linear-Motor-Driven Pulse Stages. Japanese Journal of Applied Physics, 2000, 39, 3172-3173.	1.5	17
47	Direct generation of 1108-nm and 1173-nm Laguerre-Gaussian modes from a self-Raman Nd:GdVO ₄ laser. Optics Express, 2020, 28, 24095.	3.4	17
48	Optical vortex lattice mode generation from a diode-pumped Pr ³⁺ :LiYF ₄ laser. Journal of Optics (United Kingdom), 2021, 23, 075502.	2.2	16
49	Efficient high-quality picosecond Nd:YVO ₄ laser system. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 894.	2.1	15
50	Ultraviolet vortex generation using periodically bonded \hat{I}^2 -BaB ₂ O ₄ device. Optics Express, 2014, 22, 12829.	3.4	15
51	Twisted mass transport enabled by the angular momentum of light. Journal of Nanophotonics, 2020, 14, 1.	1.0	15
52	Generation of continuously tunable, 5–12-μm radiation by difference frequency mixing of output waves of a KTP optical parametric oscillator in a ZnGeP ₂ crystal. Journal Physics D: Applied Physics, 2004, 37, 3347-3349.	2.8	14
53	Evaluation of Quality of Rice Grains by Photoacoustic Imaging. Japanese Journal of Applied Physics, 2005, 44, 4480-4481.	1.5	14
54	Tunable near- and mid-infrared (1.36–1.63 μm and 3.07–4.81 μm) optical vortex laser source. Laser Physics Letters, 2020, 17, 045402.	1.4	14

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55	Generation of hexagonal close-packed ring-shaped structures using an optical vortex. <i>Nanophotonics</i> , 2022, 11, 855-864.	6.0	14
56	Broadband terahertz light source pumped by a 1.4 μm picosecond laser. <i>Applied Physics B: Lasers and Optics</i> , 2013, 110, 321-326.	2.2	13
57	Terahertz wave generation using type II phase matching polarization combination via difference frequency generation with LiNbO_3 . <i>Japanese Journal of Applied Physics</i> , 2015, 54, 062202.	1.5	13
58	Terahertz Phonon Modes of Highly Efficient Electro-optic Phenyltriene OH1 Crystals. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24360-24369.	3.1	12
59	Picosecond optical vortex-induced chiral surface relief in an azo-polymer film. <i>Journal of Nanophotonics</i> , 2020, 14, 1.	1.0	12
60	Frequency-doubling of an optical vortex output from a stressed Yb-doped fiber amplifier. <i>Applied Physics B: Lasers and Optics</i> , 2014, 116, 249-254.	2.2	11
61	Ultra-widely tunable mid-infrared (6–18 μm) optical vortex source. <i>Applied Optics</i> , 2018, 57, 620.	1.8	11
62	Plasmonic Trapping-Induced Crystallization of Acetaminophen. <i>Crystal Growth and Design</i> , 2019, 19, 529-537.	3.0	11
63	Investigation of laser-induced-metal phase of MoTe_2 and its contact property via scanning gate microscopy. <i>Nanotechnology</i> , 2020, 31, 205205.	2.6	11
64	Measurement of the amount and number of pollen particles of <i>Cryptomeria japonica</i> (Taxodiaceae) by imaging with a photoacoustic microscope. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2006, 53, 586-591.	3.0	10
65	In Situ Observation of Chiral Symmetry Breaking in NaClO_3 Chiral Crystallization Realized by Thermoplasmonic Micro-Stirring. <i>Crystal Growth and Design</i> , 2018, 18, 4230-4239.	3.0	10
66	High average power, diffraction-limited picosecond output from a sapphire face-cooled Nd:YVO ₄ slab amplifier. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 714.	2.1	9
67	Bottle beam generation from a frequency-doubled Nd:YVO ₄ laser. <i>Scientific Reports</i> , 2018, 8, 16576.	3.3	9
68	Tunable 3 μm optical vortex parametric oscillator. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 122701.	1.5	9
69	Nanotwist of aluminum with irradiation of a single optical vortex pulse. <i>OSA Continuum</i> , 2021, 4, 403.	1.8	9
70	Optical vortex-induced forward mass transfer: manifestation of helical trajectory of optical vortex. <i>Optics Express</i> , 2019, 27, 38019.	3.4	9
71	Laser-induced forward-transfer with light possessing orbital angular momentum. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2022, 52, 100535.	11.6	9
72	1.3- μm passive Q-switching of a Nd-doped mixed vanadate bounce laser in combination with a V:YAG saturable absorber. <i>Applied Physics B: Lasers and Optics</i> , 2010, 101, 65-70.	2.2	8

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73	Tunable near-infrared optical vortex parametric laser with versatile orbital angular momentum states. Applied Optics, 2018, 57, 10004.	1.8	8
74	Observation of Tilted or Wedge-Shaped Subsurface Defects and Their Nondestructive Evaluation by Photoacoustic Microscopy. Japanese Journal of Applied Physics, 2003, 42, 3052-3053.	1.5	7
75	Broadband THz-wave generation by satisfying the noncollinear phase-matching condition with a reflected signal beam. Applied Optics, 2013, 52, 8305.	1.8	7
76	Evaluation of polarized terahertz waves generated by Cherenkov phase matching. Applied Optics, 2014, 53, 1518.	1.8	7
77	Beam propagation of efficient frequency-doubled optical vortices. Applied Optics, 2016, 55, 5263.	2.1	7
78	Plasmonic Manipulation of Sodium Chlorate Chiral Crystallization: Directed Chirality Transfer via Contact-Induced Polymorphic Transformation and Formation of Liquid Precursor. Crystal Growth and Design, 2020, 20, 5493-5507.	3.0	7
79	Measurement of Subsurface Defect Shape by Photoacoustic Microscopy. Japanese Journal of Applied Physics, 2002, 41, 3361-3362.	1.5	6
80	Applications of linear-motor-driven photoacoustic microscope. Ultrasonics, 2004, 42, 993-996.	3.9	6
81	Ultra-broadband tunable ($0.67\text{--}2.57\ \mu\text{m}$) optical vortex parametric oscillator. Japanese Journal of Applied Physics, 2017, 56, 102701.	1.5	6
82	Microneedle structuring of Si(111) by irradiation with picosecond optical vortex pulses. Applied Physics Express, 2020, 13, 062006.	2.4	6
83	Observation and Nondestructive Evaluation of Tilting Surface Defects by Photoacoustic Microscopy. Japanese Journal of Applied Physics, 2004, 43, 2940-2941.	1.5	5
84	Scanning Acoustic Microscope/Photoacoustic Microscope Operating on a Unified Software Environment. Japanese Journal of Applied Physics, 2004, 43, 3107-3108.	1.5	5
85	Ultrabroadband THz field detection beyond 170THz with a photoconductive antenna. , 2008, , .		5
86	Terahertz bolometric detection by thermal noise in graphene field effect transistor. Applied Physics Letters, 2015, 107, .	3.3	5
87	Power-scalable and high-speed orbital angular momentum modulator. Japanese Journal of Applied Physics, 2019, 58, 032009.	1.5	5
88	Generation of coupled orbital angular momentum modes from an optical vortex parametric laser source. Optics Express, 2019, 27, 37025.	3.4	5
89	Tunable terahertz Bessel beams with orbital angular momentum. , 2022, 1, 633.		5
90	Trial of Image Evaluation of the Pollen of <i>Cryptomeria japonica</i> Using Photoacoustic Microscope. Japanese Journal of Applied Physics, 2003, 42, 3084-3085.	1.5	4

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91	Frequency-agile coherent tunable THz-wave generation from 1.5 to 60 THz using Galvano controlled KTP-OPO. , 2006, , .		4
92	THz-wave sensing via pump and signal wave detection interacted with evanescent THz waves. Optics Letters, 2013, 38, 3687.	3.3	4
93	Photothermal Deflection Microscope Using Linear-Motor-Driven Pulse Stages and its Applications. Japanese Journal of Applied Physics, 2001, 40, 3591-3592.	1.5	3
94	GR-FET application for high-frequency detection device. Nanoscale Research Letters, 2013, 8, 22.	5.7	3
95	Ultraviolet optical vortex generation using a pair of $\hat{1}^2$ -BaB_2O_4 crystals with inverted orientations. Applied Optics, 2017, 56, 8075.	1.8	3
96	Optical Vortices Illumination Enables the Creation of Chiral Nanostructures. , 0, , .		3
97	Symmetry Breaking of Optical Vortex in Bacteriorhodopsin Suspensions. , 2019, , .		3
98	Direct Generation of Vortex Lattice Modes from an Intracavity Frequency Doubled Pr:YLF laser. , 2021, , .		3
99	Tunable 2.3 $\hat{3}$ $\hat{1}$ / ₄ m optical vortex parametric laser. Laser Physics, 2022, 32, 045001.	1.2	3
100	Wavelength-agile coherent tunable mid-IR ZGP-OPO source and its applications. , 2007, , .		2
101	Coherent tunable monochromatic Terahertz-wave generation using N-Benzyl-2-methyl-4-nitroaniline (BNA) crystal. Proceedings of SPIE, 2008, , .	0.8	2
102	Chiral structure control of metal nano-needles fabrictaed by optical vortex laser ablation. , 2013, , .		2
103	Real-time terahertz wave sensing via infrared detection interacted with evanescent terahertz waves. Optical Review, 2015, 22, 166-169.	2.0	2
104	Twisted Materials: A New Twist for Materials Science: The Formation of Chiral Structures Using the Angular Momentum of Light (Advanced Optical Materials 14/2019). Advanced Optical Materials, 2019, 7, 1970052.	7.3	2
105	Shrinking optical vortex to the nanoscale. , 2018, , .		2
106	Cascaded vector vortex mode generation from a solid-state Raman laser. Applied Optics, 2021, 60, 10638-10642.	1.8	2
107	Zero-spindle spectral drill: real-time spectral measurement in a fixed Fabry \hat{e} “P \hat{A} ©rot cavity. Optics Express, 2020, 28, 22088.	3.4	2
108	Ultrabroadband THz wave detection using photoconductive antenna. , 2008, , .		1

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109	Novel method to measure the refractive index and the absorption coefficient of organic nonlinear crystals in the ultra wideband THz region. , 2009, , .		1
110	Spiral relief formation in an azo-polymer film by the irradiation of a circularly polarized optical vortex beam. , 2013, , .		1
111	Highly efficient frequency doubling of optical vortex. , 2015, , .		1
112	Optical vortex pumped solid-state Raman laser. , 2017, , .		1
113	Crystalline silicon (111) needle formed by optical vortex illumination. , 2017, , .		1
114	25 W pico-second vortex output from a mixed-vanadate master laser and a Yb-doped fiber power amplifier. , 2010, , .		1
115	Enhancement of Nonlinearity by Terahertz Vortex Beam. , 2018, , .		1
116	Optical vortex induced chiral mass-transport of azo-polymer through two photon absorption. , 2018, , .		1
117	Direct generation of vortex beams from a diode-pumped Pr ³⁺ :YLF laser. , 2019, , .		1
118	<title>Multifunctional photoacoustic microscope and its applications to NDE of surface and undersurface defects</title>. , 1999, 3740, 578.		0
119	Photothermal deflection microscope with linear motor drive and its applications to NDE of microdevices. , 2001, , .		0
120	Frequency-agile 1-20 THz-wave generation using DAST crystal. , 2007, , .		0
121	Change of Damping for Long-Chain Molecules during Solidification and Melting in Scattering Samples Studied by Raman Spectroscopy. Japanese Journal of Applied Physics, 2008, 47, 7936.	1.5	0
122	Metal nano-particles manipulation by using optical multiple vortex tweezer. Proceedings of SPIE, 2010, , .	0.8	0
123	Over 20W pico-second vortex output from a large-mode-area fiber MOPA system. , 2010, , .		0
124	Sub-mJ nano-second vortex pulse generation from a stressed Yb-doped double-clad fiber amplifier. , 2011, , .		0
125	Tilting metal micro-needle fabrication based on optical vortex laser ablation. , 2011, , .		0
126	Over 25W nanosecond vortex laser based on a stressed Yb-doped fiber power amplifier. , 2012, , .		0

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127	Nano-needle fabrication based on optical vortex laser ablation. , 2012, , .		0
128	Ultra-violet optical vortex generation. , 2013, , .		0
129	Tunable milli-joule-level 2- μ m fractional vortex optical parametric amplifier. , 2013, , .		0
130	Helicity control of a 2- μ m optical vortex output from a vortex-pumped optical parametric oscillator. , 2013, , .		0
131	Room conditions THz detector using graphene FET. , 2013, , .		0
132	Frequency-doubled pico-second vortex fiber laser formed by a stressed Yb-doped fiber MOPA system. , 2013, , .		0
133	Selective control of wavefront helicity in a side-pumped Nd:YVO ₄ vortex laser. , 2013, , .		0
134	Silicon chiral bump formed by optical vortex laser ablation. , 2013, , .		0
135	Real-time THz-wave spectroscopy via infrared lights detection interacted with evanescent THz waves. , 2014, , .		0
136	Chiral polymeric relief structures fabricated by using optical vortices. , 2014, , .		0
137	High average power picosecond sapphire face-cooled Nd:YVO ₄ bounce laser system. , 2015, , .		0
138	Broadband THz vortex pulse generation by a Tsurupica spiral phase plate. , 2015, , .		0
139	Widely tunable 1 $\frac{1}{4}$ μ m optical vortex laser. , 2015, , .		0
140	Circularly polarized lights twist azo-polymer to form helical surface relief. Proceedings of SPIE, 2017, , .	0.8	0
141	Twisted polymeric microfiber formed by structured light illumination. Proceedings of SPIE, 2017, , .	0.8	0
142	Plasmonic Au nano-needle fabricated by optical vortex laser illumination. , 2017, , .		0
143	Circularly polarized lights illumination to fabricate helical surface relief in azo-polymer film. , 2017, , .		0
144	Mid-infrared optical vortex parametric laser with topological charge versatility. , 2017, , .		0

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145	Mid-infrared $3\text{--}5\ \mu\text{m}$ optical vortex MgO:PPLN parametric oscillator. , 2017, , .		0
146	Chiral nearfield generation from a chiral surface relief fabricated by optical vortex illumination with nano-imprinting technology. , 2017, , .		0
147	Millijoule-level, ultra-broadband tunable ($0.67\text{--}2.4\ \mu\text{m}$) optical vortex parametric laser. , 2017, , .		0
148	Monocycle terahertz vortex generation by Tsurupica spiral phase plate. , 2018, , .		0
149	Monolayer Photonic Micro-ring of Polystyrene Nanoparticles Fabricated by Optical Vortex Laser Induced Forward Transfer. , 2021, , .		0
150	Radially polarized solid-state Raman laser. , 2021, , .		0
151	Azo-polymer spiral surface relief formation with rotating Hermite-Gaussian beams. , 2021, , .		0
152	High-resolution terahertz single-pixel imaging for 2D spectral analysis. , 2021, , .		0
153	Milli-joule level 2m vortex pulses from an optical vortex pumped optical parametric oscillator. , 2012, , .		0
154	Tunable mid-infrared ($6.3\text{--}7.8\ \mu\text{m}$) optical vortex laser. , 2014, , .		0
155	Chiral mono-crystalline silicon nano-cone fabrication by optical vortex pumping. , 2014, , .		0
156	Handedness control of mid-infrared ($9\text{--}12\ \mu\text{m}$) vortex laser. , 2015, , .		0
157	Tunable optical vortex generation in a \sim whole mid-infrared TM wavelength region of $6\text{--}18\ \mu\text{m}$. , 2016, , .		0
158	Monocycle 0.6-terahertz vortex generation. , 2016, , .		0
159	Monocrystalline silicon needle formation by optical vortex illumination. , 2016, , .		0
160	Octave-band tunable ($0.74\text{--}1.89\ \mu\text{m}$) optical vortex laser. , 2016, , .		0
161	Widely tunable optical vortex parametric laser with versatility of orbital angular momentum. , 2017, , .		0
162	Optical vortex illumination to form polymeric twisted fiber. , 2017, , .		0

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163	High average power ultraviolet picosecond optical vortex generation. , 2017, , .		0
164	Creating a crystalline silicon (111) needle by optical vortex illumination. , 2017, , .		0
165	Two photon absorption induced chiral mass transport of azo-polymer by optical vortex illumination. , 2018, , .		0
166	Optical vortex parametric laser with a versatile orbital angular momentum. , 2018, , .		0
167	Handedness control of a mid-infrared 3.5 μ m optical vortex MgO: PPLN parametric oscillator. , 2018, , .		0
168	Low threshold tunable 2 μ m optical vortex laser source. , 2018, , .		0
169	Direct generation of bottle beam from a frequency-doubled Nd:YVO4 laser. , 2018, , .		0
170	Optical vortices establish self-written helical fiber via two photon absorption. , 2018, , .		0
171	Two-photon induced "super-resolution" single-armed relief in azo-polymer film. , 2018, , .		0
172	Power- and Frequency-Scalable Modulation of the Optical Orbital Angular Momentum. , 2018, , .		0
173	Widely tunable (2-6THz) Terahertz vortex source. , 2018, , .		0
174	String-shaped Au structures fabricated by optical vortex ablation. , 2018, , .		0
175	Sub-millimeter helical fiber created by Bessel vortex beam illumination. , 2018, , .		0
176	Bottle beam generation from a frequency-doubled Nd:YVO4 laser with a tightly end-pumping geometry. , 2018, , .		0
177	Two-photon induced chiral mass-transport of azo-polymers as a function of pulse duration. , 2019, , .		0
178	Micron-scale "ink-jet" created by optical vortex ablation. , 2019, , .		0
179	Spinning twin-mode generation in a bacteriorhodopsin suspension. , 2020, , .		0
180	Fractional optical vortex creates a curved "spin-jet". , 2020, , .		0

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181	Microscale perovskite crystal creation by optical vortex laser induced forward transfer. , 2020, , .		0
182	Optical Vortex Generates a "Spin-Jet"™ of an Ultrahigh Viscosity Au Suspension. , 2020, , .		0
183	Two photon-induced chiral structures of azo-polymers. , 2020, , .		0
184	Fractional Optical Vortex Induced Mass Forward Transfer -Deflected "Spin-Jet"-. , 2020, , .		0
185	High Speed Measurement in Spectral Drill using Q-plate and Camera. , 2020, , .		0
186	Optical vortex induced flower-shaped surface relief of azo-polymers. , 2020, , .		0