

# Keisaku Yamane

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

742  
citations

759233

12  
h-index

526287

27  
g-index

61  
all docs

61  
docs citations

61  
times ranked

579  
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of hexagonal close-packed ring-shaped structures using an optical vortex. <i>Nanophotonics</i> , 2022, 11, 855-864.	6.0	14
2	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
3	Improvement in orbital angular momentum mode sorting of optical vortices by using polarization gratings. , 2021, , .		0
4	Propagation-invariant vortex Airy beam whose singular point follows its main lobe. <i>New Journal of Physics</i> , 2021, 23, 113043.	2.9	4
5	Laguerre-Gaussian vortex mode generation from astigmatic semiconductor microcavity. <i>Applied Physics Express</i> , 2020, 13, 042001.	2.4	1
6	Picosecond optical vortex-induced chiral surface relief in an azo-polymer film. <i>Journal of Nanophotonics</i> , 2020, 14, 1.	1.0	12
7	Fractional optical vortex creates a curved "spin-jet". , 2020, , .		0
8	Comprehensive quantitative analysis of vector beam states based on vector field reconstruction. <i>Scientific Reports</i> , 2019, 9, 9979.	3.3	4
9	Development of High-Efficiency Beam Converter for Ultrafast Spatio-Temporal Control of Light Waves. , 2019, , .		0
10	Improvement of Resolution in Orbital Angular Momentum Decomposition Based on Beam Duplication by using a Sagnac Interferometer. , 2019, , .		0
11	Two-photon induced chiral mass-transport of azo-polymers as a function of pulse duration. , 2019, , .		0
12	Generation of arbitrary axisymmetrically polarized pulses by using the combination of 4-f spatial light modulator and common-path optical system. <i>Optics Express</i> , 2018, 26, 2584.	3.4	3
13	Coherent Spectroscopy of GaN Excitons by Using Vortex Pulses. <i>The Review of Laser Engineering</i> , 2018, 46, 210.	0.0	0
14	Development of high-precision mode decomposition devices for optical vortices. , 2018, , .		2
15	Generation of arbitrary axisymmetrically polarized pulses with a broadband spectrum. , 2018, , .		0
16	Amplification of ultrafast-rotating ring-shaped optical lattices. , 2017, , .		0
17	Generation of intense ultrafast-rotating ring-shaped optical lattices with programmable control of rotational symmetry. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
18	Snap-shot optical polarization spectroscopy using radially polarized pulses. <i>Applied Physics Express</i> , 2016, 9, 122401.	2.4	7

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19	Picosecond optical vortex pulse illumination forms a monocrystalline silicon needle. Scientific Reports, 2016, 6, 21738.	3.3	106
20	Analysis of the Pancharatnam-Berry phase of vector vortex states using the Hamiltonian based on the Maxwell-Schrödinger equation. Physical Review A, 2016, 94, .	2.5	7
21	Full Quantitative Analysis of Arbitrary Cylindrically Polarized Pulses by Using Extended Stokes Parameters. Scientific Reports, 2016, 5, 17797.	3.3	7
22	Rotational Symmetry Breaking in Coherent Dynamics of GaN Excitons Excited by Radially Polarized Pulses. , 2016, , .		1
23	Extended Stokes parameters for cylindrically polarized beams. Optical Review, 2015, 22, 179-183.	2.0	10
24	Quantitative characterization of polarization states of axisymmetrically polarized pulses generated by coherent beam combining. , 2015, , .		0
25	Ultrafast and ultra-broadband optical-vortex pulse generation and characterization. Proceedings of SPIE, 2014, , .	0.8	0
26	Generation of ultra-broadband pulses with axially-symmetric polarization based on coherent beam combining of optical vortices. , 2014, , .		0
27	Nonlinear coupling between axisymmetrically-polarized ultrashort optical pulses in a uniaxial crystal. Optics Express, 2014, 22, 16903.	3.4	13
28	Frequency-resolved measurement of the orbital angular momentum spectrum of femtosecond ultra-broadband optical-vortex pulses based on field reconstruction. New Journal of Physics, 2014, 16, 053020.	2.9	29
29	Over 1-mJ intense ultrashort optical-vortex pulse generation with programmable topological-charge control by chirped-pulse amplification. , 2014, , .		2
30	Spatiotemporal coherence of GaN excitons excited by an optical vortex with multiple orbital angular momentum. , 2014, , .		0
31	Nonlinear conversion between ultrashort radially- and azimuthally-polarized pulses in an anisotropic media. , 2013, , .		0
32	Programmable ultrashort optical-vortex pulse generation using optical parametric amplification and 4-f configuration. , 2013, , .		0
33	Nonlinear coupling between radially- and azimuthally-polarized modes of ultrashort optical pulses in an anisotropic crystal. , 2013, , .		0
34	Orbital Angular Momentum Spectral Dynamics of GaN Excitons Excited by Optical Vortices. Japanese Journal of Applied Physics, 2013, 52, 08JL08.	1.5	23
35	Measurement of orbital angular momentum spectrum of optical vortices based on electric-field reconstruction in spatial domain. , 2013, , .		0
36	Frequency-resolved orbital angular momentum spectrum measurement of ultra-broadband optical vortices. , 2013, , .		0

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37	Amplification of ultrashort optical-vortex pulses with programmable topological-charge control. , 2013, , .		0
38	Quasi-real-time Measurement of Orbital Angular Momentum Spectra of Ultra-broadband Optical Vortices from Fork-like Interferograms. , 2013, , .		0
39	Ultrashort optical-vortex pulse generation in few-cycle regime. Optics Express, 2012, 20, 18986.	3.4	86
40	Generation of ultrashort optical vortex pulses using optical parametric amplification. , 2012, , .		1
41	Generation of Sub-900- $\mu\text{m}$ Supercontinuum With a Two-Octave Bandwidth Based on Induced Phase Modulation in Argon-Filled Hollow Fiber. IEEE Photonics Technology Letters, 2011, 23, 688-690.	2.5	14
42	Spectral Phase Characterization of Two-Octave Bandwidth Pulses by Two-Dimensional Spectral Shearing Interferometry Based on Noncollinear Phase Matching With External Pulse Pair. IEEE Photonics Technology Letters, 2011, 23, 1130-1132.	2.5	7
43	Femtosecond photoisomerization of azobenzene-derivative binding to DNA. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 223, 119-123.	3.9	3
44	Frequency-Varying Spectral Shear Interferometry for Characterization of Extremely Short Attosecond Pulses. IEEE Journal of Quantum Electronics, 2011, 47, 810-818.	1.9	2
45	Optical Parametric Amplifier Pumped at 266 nm toward Ultrashort Near-Ultraviolet Gigawatt Pulses. Japanese Journal of Applied Physics, 2011, 50, 072701.	1.5	0
46	Optical Parametric Amplifier Pumped at 266 nm toward Ultrashort Near-Ultraviolet Gigawatt Pulses. Japanese Journal of Applied Physics, 2011, 50, 072701.	1.5	1
47	Ultrabroadband spectral amplitude modulation using a liquid crystal spatial light modulator with ultraviolet-to-near-infrared bandwidth. Applied Optics, 2010, 49, 350.	2.1	7
48	Monocycle pulse generation and octave bandwidth amplification. , 2009, , .		0
49	Noncollinear Optical Parametric Amplification Pumped by the Third Harmonics of a Ti:sapphire Laser. Springer Series in Chemical Physics, 2009, , 759-761.	0.2	1
50	Nearly-octave broadband, high-powered optical parametric amplification toward monocycle regime. , 2008, , .		0
51	Efficient compression of carrier-envelope phase-locked laser pulses to 5 fs using an aluminum-coated hollow fiber. , 2007, , .		0
52	Generation of 26 fs optical pulses using induced-phase modulation in a gas-filled hollow fiber. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 985.	2.1	115
53	Sub-5-fs Pulse Compression of Laser Output Using Photonic Crystal Fiber with Short Zero-Dispersion Wavelength. Japanese Journal of Applied Physics, 2005, 44, L1423-L1425.	1.5	12
54	Wavelet-transform analysis of spectral shearing interferometry for phase reconstruction of femtosecond optical pulses. Optics Express, 2005, 13, 2120.	3.4	41

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55	2.8-fs clean single transform-limited optical-pulse generation and characterization. Springer Series in Chemical Physics, 2005, , 13-15.	0.2	1
56	Microstructured fiber feedback pulse compression to few optical cycles. Springer Series in Chemical Physics, 2005, , 49-51.	0.2	0
57	Generation and Characterization of 3.4-fs Optical Pulses with Over-One-Octave Bandwidth. Springer Series in Optical Sciences, 2004, , 97-102.	0.7	0
58	Optical pulse compression to 34fs in the monocycle region by feedback phase compensation. Optics Letters, 2003, 28, 2258.	3.3	177
59	Sub-5 fs optical pulse characterization. Measurement Science and Technology, 2002, 13, 1710-1720.	2.6	16
60	Lensless Wavefront Parallel Processing of Vector Beams by Self-Organized Q-Plates Microarray. Advanced Photonics Research, 0, , 2100368.	3.6	1