

Keisaku Yamane

List of Publications by Year in descending order

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60
papers

742
citations

759233

12
h-index

526287

27
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61
all docs

61
docs citations

61
times ranked

579
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical pulse compression to 34fs in the monocycle region by feedback phase compensation. Optics Letters, 2003, 28, 2258.	3.3	177
2	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
3	Picosecond optical vortex pulse illumination forms a monocrystalline silicon needle. Scientific Reports, 2016, 6, 21738.	3.3	106
4	Ultrashort optical-vortex pulse generation in few-cycle regime. Optics Express, 2012, 20, 18986.	3.4	86
5	Wavelet-transform analysis of spectral shearing interferometry for phase reconstruction of femtosecond optical pulses. Optics Express, 2005, 13, 2120.	3.4	41
6	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
7	Orbital Angular Momentum Spectral Dynamics of GaN Excitons Excited by Optical Vortices. Japanese Journal of Applied Physics, 2013, 52, 08JL08.	1.5	23
8	Sub-5 fs optical pulse characterization. Measurement Science and Technology, 2002, 13, 1710-1720.	2.6	16
9	Generation of Sub-900- μm 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
10	Generation of hexagonal close-packed ring-shaped structures using an optical vortex. Nanophotonics, 2022, 11, 855-864.	6.0	14
11	Nonlinear coupling between axisymmetrically-polarized ultrashort optical pulses in a uniaxial crystal. Optics Express, 2014, 22, 16903.	3.4	13
12	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
13	Picosecond optical vortex-induced chiral surface relief in an azo-polymer film. Journal of Nanophotonics, 2020, 14, 1.	1.0	12
14	Extended Stokes parameters for cylindrically polarized beams. Optical Review, 2015, 22, 179-183.	2.0	10
15	Laser-induced forward-transfer with light possessing orbital angular momentum. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2022, 52, 100535.	11.6	9
16	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
17	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
18	Snap-shot optical polarization spectroscopy using radially polarized pulses. Applied Physics Express, 2016, 9, 122401.	2.4	7

#	ARTICLE	IF	CITATIONS
19	Analysis of the Pancharatnam-Berry phase of vector vortex states using the Hamiltonian based on the Maxwell-Schrödinger equation. <i>Physical Review A</i> , 2016, 94, .	2.5	7
20	Full Quantitative Analysis of Arbitrary Cylindrically Polarized Pulses by Using Extended Stokes Parameters. <i>Scientific Reports</i> , 2016, 5, 17797.	3.3	7
21	Comprehensive quantitative analysis of vector beam states based on vector field reconstruction. <i>Scientific Reports</i> , 2019, 9, 9979.	3.3	4
22	Propagation-invariant vortex Airy beam whose singular point follows its main lobe. <i>New Journal of Physics</i> , 2021, 23, 113043.	2.9	4
23	Femtosecond photoisomerization of azobenzene-derivative binding to DNA. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 223, 119-123.	3.9	3
24	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
25	Frequency-Varying Spectral Shear Interferometry for Characterization of Extremely Short Attosecond Pulses. <i>IEEE Journal of Quantum Electronics</i> , 2011, 47, 810-818.	1.9	2
26	Over 1-mJ intense ultrashort optical-vortex pulse generation with programmable topological-charge control by chirped-pulse amplification. , 2014, , .		2
27	Development of high-precision mode decomposition devices for optical vortices. , 2018, , .		2
28	Laguerre-Gaussian vortex mode generation from astigmatic semiconductor microcavity. <i>Applied Physics Express</i> , 2020, 13, 042001.	2.4	1
29	2.8-fs clean single transform-limited optical-pulse generation and characterization. <i>Springer Series in Chemical Physics</i> , 2005, , 13-15.	0.2	1
30	Generation of ultrashort optical vortex pulses using optical parametric amplification. , 2012, , .		1
31	Rotational Symmetry Breaking in Coherent Dynamics of GaN Excitons Excited by Radially Polarized Pulses. , 2016, , .		1
32	Optical Parametric Amplifier Pumped at 266 nm toward Ultrashort Near-Ultraviolet Gigawatt Pulses. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 072701.	1.5	1
33	Noncollinear Optical Parametric Amplification Pumped by the Third Harmonics of a Ti:sapphire Laser. <i>Springer Series in Chemical Physics</i> , 2009, , 759-761.	0.2	1
34	Lensless Wavefront Parallel Processing of Vector Beams by Self-Images of a Self-Organized Q-Plates Microarray. <i>Advanced Photonics Research</i> , 0, , 2100368.	3.6	1
35	Efficient compression of carrier-envelope phase-locked laser pulses to 5 fs using an aluminum-coated hollow fiber. , 2007, , .		0
36	Monocycle pulse generation and octave bandwidth amplification. , 2009, , .		0

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37	Optical Parametric Amplifier Pumped at 266 nm toward Ultrashort Near-Ultraviolet Gigawatt Pulses. Japanese Journal of Applied Physics, 2011, 50, 072701.	1.5	0
38	Nonlinear conversion between ultrashort radially- and azimuthally-polarized pulses in an anisotropic media. , 2013, , .		0
39	Programmable ultrashort optical-vortex pulse generation using optical parametric amplification and 4-f configuration. , 2013, , .		0
40	Nonlinear coupling between radially- and azimuthally-polarized modes of ultrashort optical pulses in an anisotropic crystal. , 2013, , .		0
41	Measurement of orbital angular momentum spectrum of optical vortices based on electric-field reconstruction in spatial domain. , 2013, , .		0
42	Frequency-resolved orbital angular momentum spectrum measurement of ultra-broadband optical vortices. , 2013, , .		0
43	Amplification of ultrashort optical-vortex pulses with programmable topological-charge control. , 2013, , .		0
44	Ultrafast and ultra-broadband optical-vortex pulse generation and characterization. Proceedings of SPIE, 2014, , .	0.8	0
45	Generation of ultra-broadband pulses with axially-symmetric polarization based on coherent beam combining of optical vortices. , 2014, , .		0
46	Quantitative characterization of polarization states of axisymmetrically polarized pulses generated by coherent beam combining. , 2015, , .		0
47	Amplification of ultrafast-rotating ring-shaped optical lattices. , 2017, , .		0
48	Development of High-Efficiency Beam Converter for Ultrafast Spatio-Temporal Control of Light Waves. , 2019, , .		0
49	Improvement of Resolution in Orbital Angular Momentum Decomposition Based on Beam Duplication by using a Sagnac Interferometer. , 2019, , .		0
50	Improvement in orbital angular momentum mode sorting of optical vortices by using polarization gratings. , 2021, , .		0
51	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
52	Microstructured fiber feedback pulse compression to few optical cycles. Springer Series in Chemical Physics, 2005, , 49-51.	0.2	0
53	Nearly-octave broadband, high-powered optical parametric amplification toward monocycle regime. , 2008, , .		0
54	Quasi-real-time Measurement of Orbital Angular Momentum Spectra of Ultra-broadband Optical Vortices from Fork-like Interferograms. , 2013, , .		0

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55	Spatiotemporal coherence of GaN excitons excited by an optical vortex with multiple orbital angular momentum. , 2014, , .		0
56	Generation of intense ultrafast-rotating ring-shaped optical lattices with programmable control of rotational symmetry. Proceedings of SPIE, 2017, , .	0.8	0
57	Coherent Spectroscopy of GaN Excitons by Using Vortex Pulses. The Review of Laser Engineering, 2018, 46, 210.	0.0	0
58	Generation of arbitrary axisymmetrically polarized pulses with a broadband spectrum. , 2018, , .		0
59	Two-photon induced chiral mass-transport of azo-polymers as a function of pulse duration. , 2019, , .		0
60	Fractional optical vortex creates a curved "spin-jet". , 2020, , .		0