Chunmei Zhang

List of Publications by Year
in descending order

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53 papers	1,151 citations	516710 16 h-index	395702 33 g-index
55 all docs	55 docs citations	55 times ranked	1264 citing authors

#	Article	IF	Citations
1	Active stabilization of terahertz waveforms radiated from a two-color air plasma. Photonics Research, 2022, 10, 96.	7.0	7
2	Attosecond measurement via high-order harmonic generation in low-frequency fields. Physical Review A, 2022, 105, .	2.5	8
3	In Situ Measurement of the Cooper Minimum in Argon. , 2021, , .		0
4	Surface adhesion of back-illuminated ultrafast laser-treated polymers. Physical Review Materials, 2021, 5, .	2.4	1
5	Reconfigurable electronic circuits for magnetic fields controlled by structured light. Nature Photonics, 2021, 15, 622-626.	31.4	29
6	Single Image Measurement of an Isolated Attosecond Pulse. , 2021, , .		1
7	Near-field imaging of dipole emission modulated by an optical grating. Optica, 2021, 8, 1632.	9.3	5
8	Novel Method of Attosecond Pulse Measurement by using Carrier-Envelope-Phase Dependence. , 2021, , .		0
9	Femtosecond-Laser-Induced Nanoscale Blisters in Polyimide Thin Films through Nonlinear Absorption. Physical Review Applied, 2020, 14, .	3.8	3
10	Vectorized optoelectronic control and metrology in a semiconductor. Nature Photonics, 2020, 14, 680-685.	31.4	67
11	Control of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow><mml:mo>+</mml:mo></mml:msup></mml:m air lasing. Physical Review A, 2020, 102, .	2.5	7
12	Delay measurement of attosecond emission in solids. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 124001.	1.5	5
13	High harmonics diffraction caused by an ellipticity grating. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 094002.	1.5	2
14	Multiphoton laser-induced confined chemical changes in polymer films. Optics Express, 2020, 28, 11267.	3.4	5
15	Controlling N+ Lasing. , 2020, , .		0
16	Characterization of an Isolated Attosecond Pulse by Using Carrier-Envelope-Phase Dependence. , 2020, , .		0
17	Short- and long-term gain dynamics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msubsup><mml:mi mathvariant="normal">N</mml:mi><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:msubsup></mml:math> air lasing. Physical Review A, 2019, 100, .	2.5	12
18	Generating few-cycle radially polarized pulses. Optica, 2019, 6, 160.	9.3	35

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19	Vectorizing the spatial structure of high-harmonic radiation from gas. Nature Communications, 2019, 10, 2020.	12.8	16
20	Deposition of Fine Tailing Particles and Profile Zoning Of Tailings Dams. Soil Mechanics and Foundation Engineering, 2019, 56, 359-365.	0.7	4
21	Spin-constrained orbital-angular-momentum control in high-harmonic generation. Physical Review Research, 2019, 1, .	3.6	10
22	High-harmonic generation in solids driven by counter-propagating pulses. Optics Express, 2019, 27, 32630.	3.4	7
23	High-efficiency radially-polarized pulses compression. , 2019, , .		0
24	Perturbing laser field dependent high harmonic phase modulations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 125601.	1.5	1
25	Testing the Role of Recollision in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msubsup><mml:mrow><mml:mi mathvariant="normal">N</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mml:mrow> Air Lasing. Physical Review Letters, 2018, 120, 133208.	7.8	58
26	Controlling the orbital angular momentum of high harmonic vortices. Nature Communications, 2017, 8, 14970.	12.8	124
27	Integrating solids and gases for attosecond pulse generation. Nature Photonics, 2017, 11, 594-599.	31.4	24
28	Dynamic wavefront rotation in the attosecond lighthouse. Optica, 2017, 4, 48.	9.3	9
29	Femtosecond time-domain observation of atmospheric absorption in the near-infrared spectrum. Physical Review A, 2016, 94, .	2.5	7
30	Interferometric time delay correction for Fourier transform spectroscopy in the extreme ultraviolet. Journal of Modern Optics, 2016, 63, 1661-1667.	1.3	4
31	Full characterization of an attosecond pulse generated using an infrared driver. Scientific Reports, 2016, 6, 26771.	3.3	5
32	Octave-spanning hyperspectral coherent diffractive imaging in the extreme ultraviolet range. Optics Express, 2015, 23, 28960.	3.4	16
33	Attosecond lighthouse driven by sub-two-cycle, 1.8Î¼m laser pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 061001.	1.5	22
34	Controlling attosecond angular streaking with second harmonic radiation. Optics Letters, 2015, 40, 1768.	3.3	11
35	Applications of ultrafast wavefront rotation in highly nonlinear optics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124004.	1.5	53
36	Photonic streaking of attosecond pulse trains. Nature Photonics, 2013, 7, 651-656.	31.4	126

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37	Petahertz optical oscilloscope. Nature Photonics, 2013, 7, 958-962.	31.4	163
38	Manipulation of quantum paths for spaceâ€“time characterization of attosecond pulses. Nature Physics, 2013, 9, 159-163.	16.7	94
39	Ultrashort pulse temporal contrast enhancement based on noncollinear optical-parametric amplification. Optics Letters, 2011, 36, 781.	3.3	43
40	Layered fractures induced by principal stress axes rotation in hard rock during tunnelling. Materials Research Innovations, 2011, 15, s527-s530.	2.3	23
41	Carrier-envelope phase offset for pulses from a tunable optical parametric amplifier. Optics Communications, 2011, 284, 3047-3050.	2.1	1
42	High-conversion-efficiency and tunable phase-stabilized infrared parametric laser source. Laser Physics, 2010, 20, 727-732.	1.2	1
43	Molecular high harmonic generation in a two-color field. Optics Express, 2010, 18, 11664.	3.4	4
44	Tunable Infrared laser femtosecond source and novel pulse clean technique. , 2010, , .		0
45	Toward the Generation of Isolated Attosecond Pulses in the Water Window. Springer Series in Chemical Physics, 2010, , 113-127.	0.2	0
46	Tunable ultraviolet source from fifth and seventh harmonic generated by mid-infrared pulses filamentation in air. Laser Physics, 2009, 19, 1793-1795.	1.2	4
47	Tunable phase-stabilized infrared optical parametric amplifier for high-order harmonic generation. Optics Letters, 2009, 34, 2730.	3.3	34
48	Wavelength effect on atomic and molecular high harmonic generation driven by a tunable infrared parametric source. Optics Express, 2009, 17, 15061.	3.4	4
49	Accurate measurement of carrier-envelope phase drift for infrared femtosecond laser pulses. Optics Express, 2008, 16, 21383.	3.4	2
50	Tunable phase-stabilized infrared parametric laser source. Proceedings of SPIE, 2008, , .	0.8	0
51	The Nonlinear Ellipse Rotation in BK7 Glass Plate and its Application. The Review of Laser Engineering, 2008, 36, 1105-1108.	0.0	0
52	Development of Femtosecond Petawatt Laser Technology. , 2007, , .		0
53	Parasitic lasing suppression in high gain femtosecond petawatt Ti:sapphire amplifier. Optics Express, 2007, 15, 15335.	3.4	93