

# Yizhu Zhang

## List of Publications by Year in descending order

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39  
papers

672  
citations

840776

11  
h-index

552781

26  
g-index

39  
all docs

39  
docs citations

39  
times ranked

923  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstruction and control of a time-dependent two-electron wave packet. <i>Nature</i> , 2014, 516, 374-378.	27.8	245
2	Charge and Nuclear Dynamics Induced by Deep Inner-Shell Multiphoton Ionization of CH <sub>3</sub> I Molecules by Intense X-ray Free-Electron Laser Pulses. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2944-2949.	4.6	55
3	Non-radially polarized THz pulse emitted from femtosecond laser filament in air. <i>Optics Express</i> , 2008, 16, 15483.	3.4	39
4	Ultrafast dynamics in acetylene clocked in a femtosecond XUV stopwatch. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 164027.	1.5	34
5	Elliptically polarized terahertz emission in the forward direction of a femtosecond laser filament in air. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	31
6	Clue to a thorough understanding of terahertz pulse generation by femtosecond laser filamentation. <i>Photonics Research</i> , 2018, 6, 296.	7.0	27
7	Propagation of terahertz wave inside femtosecond laser filament in air. <i>Laser Physics Letters</i> , 2014, 11, 095302.	1.4	25
8	Portraying polarization state of terahertz pulse generated by a two-color laser field in air. <i>Optics Letters</i> , 2009, 34, 2841.	3.3	24
9	Passively phase-stable, monolithic, all-reflective two-dimensional electronic spectroscopy based on a four-quadrant mirror. <i>Optics Letters</i> , 2013, 38, 356.	3.3	20
10	Ultrafast Dynamics of a Nucleobase Analogue Illuminated by a Short Intense X-ray Free Electron Laser Pulse. <i>Physical Review X</i> , 2016, 6, .	8.9	17
11	Ultrafast Mapping of Coherent Dynamics and Density Matrix Reconstruction in a Terahertz-Assisted Laser Field. <i>Physical Review Letters</i> , 2018, 121, 113201.	7.8	15
12	Momentum Spectroscopy for Multiple Ionization of Cold Rubidium in the Elliptically Polarized Laser Field*. <i>Chinese Physics Letters</i> , 2020, 37, 053201.	3.3	14
13	Continuum electron giving birth to terahertz emission. <i>Photonics Research</i> , 2020, 8, 760.	7.0	12
14	Attention-based neural network for polarimetric image denoising. <i>Optics Letters</i> , 2022, 47, 2726.	3.3	12
15	Experimental confirmation of high-stability of fluorescence in a femtosecond laser filament in air. <i>Optics Communications</i> , 2009, 282, 4800-4804.	2.1	10
16	Strong-field spectral interferometry using the carrier-envelope phase. <i>New Journal of Physics</i> , 2013, 15, 073031.	2.9	10
17	Ellipticity-dependent sequential over-barrier ionization of cold rubidium. <i>Physical Review A</i> , 2020, 102, .	2.5	9
18	Spectral stability of supercontinuum generation in condensed mediums. <i>Optical Engineering</i> , 2017, 56, 076107.	1.0	7

#	ARTICLE	IF	CITATIONS
19	Recoil-ion momentum spectroscopy for cold rubidium in a strong femtosecond laser field. Journal of Instrumentation, 2019, 14, P02022-P02022.	1.2	7
20	Experimental evidence for terahertz emission of continuum electrons in the dual-color laser field. Optics Letters, 2020, 45, 1838.	3.3	7
21	Empirical study of nonlinearity tensor dominating THz generation in barium borate crystal through optical rectification. Applied Physics B: Lasers and Optics, 2011, 103, 831-835.	2.2	6
22	Fractional high-order harmonic combs and energy tuning by attosecond-precision split-spectrum pulse control. Applied Physics Letters, 2012, 100, .	3.3	6
23	Precise phase determination with the built-in spectral interferometry in two-dimensional electronic spectroscopy. Optics Letters, 2016, 41, 4134.	3.3	6
24	Post-processing phase-correction algorithm in two-dimensional electronic spectroscopy. Optics Express, 2017, 25, 6644.	3.4	5
25	Moderately strong pump-induced ultrafast dynamics in solution. Chemical Physics, 2016, 476, 17-22.	1.9	4
26	Trajectory analysis of few-cycle strong field ionization in two-color circularly polarized fields*. Chinese Physics B, 2019, 28, 093202.	1.4	4
27	Ultrafast carrier dynamics in high-performance $\hat{\pm}$ -bis-PCBM doped organic-inorganic hybrid perovskite solar cell. Organic Electronics, 2019, 75, 105384.	2.6	4
28	Third-order harmonic generation in a bi-chromatic elliptical laser field. Optics Express, 2021, 29, 21936.	3.4	4
29	Compact design for two-dimensional electronic spectroscopy. Laser Physics, 2016, 26, 035403.	1.2	3
30	Rabi Oscillations and Coherence Dynamics in Terahertz Streaking-Assisted Photoelectron Spectrum. Chinese Physics Letters, 2021, 38, 013401.	3.3	3
31	Charge-encoded multi-photoion coincidence for three-body fragmentation of CO <sub>2</sub> in the strong laser fields. Journal of Chemical Physics, 2022, 156, 134302.	3.0	3
32	Electron trajectory backanalysis for spectral profile in two-color terahertz generation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 195401.	1.5	2
33	Intensity-surged and bandwidth-extended terahertz radiation in two-foci cascading plasmas. Optics Letters, 2022, 47, 3816.	3.3	2
34	Fractional high-harmonic combs by attosecond-precision split-spectrum pulse control. EPJ Web of Conferences, 2013, 41, 01007.	0.3	0
35	Passively phase-stable monolithic all-reflective two-dimensional electronic spectroscopy based on a 4-quadrant mirror. Journal of Physics: Conference Series, 2014, 488, 142001.	0.4	0
36	Correlated study of terahertz pulse generation and plasma density during two-color filamentation in air. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Revision of photo-current model of terahertz wave generation by two-color femtosecond laser filamentation in air. , 2015, , .		0
38	Terahertz-field-induced near-cutoff even-order harmonics in a femtosecond laser. Physical Review A, 2020, 102, .	2.5	0
39	Frequency interferometric localization microscopy. Optics Letters, 2021, 46, 3973.	3.3	0