

Ruxin Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9596420/publications.pdf>

Version: 2024-02-01

132
papers

3,042
citations

172457

29
h-index

197818

49
g-index

132
all docs

132
docs citations

132
times ranked

1798
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliable laser ablation ignition of combustible gas mixtures by femtosecond filamentating laser. Fuel, 2022, 311, 122525.	6.4	4
2	1 μ m few-cycle pulse generation in a single-stage gas-filled hollow core fiber. Optics and Laser Technology, 2022, 154, 108279.	4.6	0
3	Goldilocks focal zone in femtosecond laser ignition of lean fuels. Science China Technological Sciences, 2022, 65, 1537-1544.	4.0	2
4	Polarization Dependence of Laser Induced inner-shell excitations. , 2022, , .		0
5	Direct mapping of attosecond electron dynamics. Nature Photonics, 2021, 15, 216-221.	31.4	14
6	Polarization Dependence of Laser Induced inner-shell excitations. , 2021, , .		0
7	Robust and ultralow-energy-threshold ignition of a lean mixture by an ultrashort-pulsed laser in the filamentation regime. Light: Science and Applications, 2021, 10, 49.	16.6	34
8	Free-electron lasing at 27 nanometres based on a laser wakefield accelerator. Nature, 2021, 595, 516-520.	27.8	151
9	High-order harmonic generation from twisted bilayer graphene driven by a midinfrared laser field. Physical Review A, 2021, 104, .	2.5	11
10	Controlling of the harmonic generation induced by the Berry curvature. Optics Express, 2021, 29, 37809.	3.4	4
11	Femtosecond laser filament guided negative coronas. AIP Advances, 2020, 10, .	1.3	5
12	Ellipticity dependence of nonperturbative harmonic generation in few-layer MoS ₂ . Optics Communications, 2020, 469, 125769.	2.1	17
13	A broadband low-chromatic-aberration single grating Offner stretcher by 3D analysis. Optics Communications, 2020, 465, 125502.	2.1	3
14	Performance improvement of a 200TW/1Hz Ti:sapphire laser for laser wakefield electron accelerator. Optics and Laser Technology, 2020, 131, 106453.	4.6	16
15	Polarization-resolved analysis of high-order harmonic generation in monolayer MoS ₂ . New Journal of Physics, 2020, 22, 073046.	2.9	19
16	Laser-induced inner-shell excitations through direct electron re-collision versus indirect collision. Optics Express, 2020, 28, 23251.	3.4	9
17	Energy Enhancement and Energy Spread Compression of Electron Beams in a Hybrid Laser-Plasma Wakefield Accelerator. Applied Sciences (Switzerland), 2019, 9, 2561.	2.5	4
18	An attempt to explain rain gush formation: the ionic wind approach. Plasma Research Express, 2019, 1, 035013.	0.9	5

#	ARTICLE	IF	CITATIONS
19	Attosecond transient-absorption spectroscopy in one-dimensional periodic crystals. Physical Review A, 2019, 100, .	2.5	7
20	Dual-color γ -rays via all-optical Compton scattering from a cascaded laser-driven wakefield accelerator. Plasma Physics and Controlled Fusion, 2019, 61, 085030.	2.1	4
21	Longitudinal characterization of the wake and electron bunch in a laser wakefield accelerator. Journal of Plasma Physics, 2019, 85, .	2.1	1
22	Investigation of the temporal contrast evolution in a 10-PW-level Ti:sapphire laser facility. Optics Express, 2019, 27, 8683.	3.4	6
23	Bright High-Order Harmonic Generation around 30 nm Using Hundred-Terawatt-Level Laser System for Seeding Full Coherent XFEL. Applied Sciences (Switzerland), 2018, 8, 1446.	2.5	6
24	Laser guided ionic wind. Scientific Reports, 2018, 8, 13511.	3.3	3
25	Sharp plasma pinnacle structure based on shockwave for an improved laser wakefield accelerator. Plasma Physics and Controlled Fusion, 2018, 60, 075008.	2.1	5
26	Enhanced betatron radiation by steering a laser-driven plasma wakefield with a tilted shock front. Applied Physics Letters, 2018, 112, .	3.3	20
27	Temporal evolution of condensation and precipitation induced by a 22-TW laser. Optics Express, 2018, 26, 2785.	3.4	3
28	Driving-laser ellipticity dependence of high-order harmonic generation in graphene. Physical Review A, 2018, 97, .	2.5	41
29	Femtosecond laser filament-assisted AgI-type pyrotechnic nucleant-induced water condensation in cloud chamber. Optics Express, 2018, 26, 29687.	3.4	3
30	339â€‰%â€‰) high-energy Ti:sapphire chirped-pulse amplifier for 10â€‰%â€‰PW laser facility. Optics Letters, 2018, 43, 5685.	3.4	5
31	Femtosecond-laser-driven wire-guided helical undulator for intense terahertz radiation. Nature Photonics, 2017, 11, 242-246.	31.4	56
32	Corona discharge induced snow formation in a cloud chamber. Scientific Reports, 2017, 7, 11749.	3.3	11
33	Pure Even Harmonic Generation from Oriented CO in Linearly Polarized Laser Fields. Physical Review Letters, 2017, 119, 173201.	7.8	30
34	Inner Shell Excitations through Laser Induced Electron Recollision. Journal of Physics: Conference Series, 2017, 875, 052041.	0.4	0
35	Attosecond chirp effect on the transient absorption spectrum of laser-dressed helium atom. Optics Express, 2017, 25, 7707.	3.4	10
36	Probing the effective length of plasma inside a filament. Optics Express, 2017, 25, 11078.	3.4	9

#	ARTICLE	IF	CITATIONS
37	High-order dispersion control of 10-petawatt Ti:sapphire laser facility. Optics Express, 2017, 25, 17488.	3.4	24
38	Picosecond laser-induced water condensation in a cloud chamber. Optics Express, 2016, 24, 20494.	3.4	6
39	Femtosecond laser filament induced condensation and precipitation in a cloud chamber. Scientific Reports, 2016, 6, 25417.	3.3	16
40	Direct observation of laser guided corona discharges. Scientific Reports, 2016, 5, 18681.	3.3	26
41	Spectroscopic analysis of high electric field enhanced ionization in laser filaments in air for corona guiding. High Power Laser Science and Engineering, 2016, 4, .	4.6	12
42	Laser-filamentation-induced water condensation and snow formation in a cloud chamber filled with different ambient gases. Optics Express, 2016, 24, 7364.	3.4	19
43	Effect of nuclear motion on spectral broadening of high-order harmonic generation. Optics Express, 2016, 24, 8194.	3.4	8
44	Frequency modulation of high-order harmonic generation in an orthogonally polarized two-color laser field. Optics Express, 2016, 24, 18685.	3.4	12
45	Broadband spectrographic method for precision alignment of compression gratings. Optical Engineering, 2016, 55, 086105.	1.0	6
46	Effect of elliptical polarization of driving field on high-order-harmonic generation in semiconductor ZnO. Physical Review A, 2016, 93, .	2.5	36
47	Coherent control of the dissociation probability of H ₂ in two-color fields. Physical Review A, 2016, 93, .	2.5	20
48	Ultrafast Excitation of an Inner-Shell Electron by Laser-Induced Electron Recollision. Physical Review Letters, 2016, 116, 073901.	7.8	18
49	Ultrahigh brilliance quasi-monochromatic MeV γ -rays based on self-synchronized all-optical Compton scattering. Scientific Reports, 2016, 6, 29518.	3.3	66
50	Experimental demonstration of broadband femtosecond optical parametric amplification based on YCOB crystal at near critical wavelength degeneracy. Optics Communications, 2016, 370, 98-102.	2.1	9
51	A Stable 200TW / 1Hz Ti:sapphire laser for driving full coherent XFEL. Optics and Laser Technology, 2016, 79, 141-145.	4.6	26
52	A novel measurement scheme for the radial group delay of large-aperture ultra-short laser pulses. Optics Communications, 2016, 367, 259-263.	2.1	10
53	THz Waveforms and Polarization from Laser Induced Plasmas by Few-Cycle Pulses. , 2016, , 97-120.		0
54	Lasing Actions Inside a Femtosecond Laser Filament in Air. , 2016, , 121-146.		2

#	ARTICLE	IF	CITATIONS
55	Differently patterned airflows induced by 1-kHz femtosecond laser filaments in a cloud chamber. Applied Physics B: Lasers and Optics, 2015, 121, 155-169.	2.2	9
56	Manipulating electron-ion recollision in a midinfrared laser field. Physical Review A, 2015, 92, .	2.5	12
57	Enhanced high-order harmonic generation from excited argon. Applied Physics Letters, 2015, 107, 041110.	3.3	10
58	Intense THz radiation from laser plasma with controllable waveform and polarization. , 2015, , .		0
59	Self-focusing of few-cycle laser pulses at 1800 nm in air. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 094015.	1.5	4
60	Experimental and numerical study on chirped transient stimulated Raman scattering in dispersive medium. Optics Communications, 2015, 351, 85-90.	2.1	7
61	Mapping the spectral phase of isolated attosecond pulses by extreme-ultraviolet emission spectrum. Optics Express, 2015, 23, 9858.	3.4	7
62	Enhanced high-order harmonic generation from spatially prepared filamentation in argon. Optics Express, 2015, 23, 17229.	3.4	7
63	Chirped pulse Raman amplification in Ba(NO ₃) ₂ crystals. Optics and Laser Technology, 2015, 67, 8-11.	4.6	7
64	Phase Evolution and THz Emission from a Femtosecond Laser Filament in Air. Springer Series in Chemical Physics, 2015, , 175-193.	0.2	1
65	Laser-induced supersaturation and snow formation in a sub-saturated cloud chamber. Applied Physics B: Lasers and Optics, 2014, 117, 1001-1007.	2.2	19
66	MeV surface fast electron emission from femtosecond laser pulses interacting with planar and nanowire targets. Plasma Physics and Controlled Fusion, 2014, 56, 075021.	2.1	5
67	Bandwidth analysis of type-I optical parametric chirped pulse amplification systems. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2615.	2.1	11
68	Selective generation of an intense single harmonic from a long gas cell with loosely focusing optics based on a three-color laser field. Applied Physics Letters, 2014, 104, 151101.	3.3	17
69	Generation of a high-temporal contrast ultrafast laser pulse near 1,053 nm through stimulated Raman frequency shift. Applied Physics B: Lasers and Optics, 2014, 117, 973-978.	2.2	0
70	Efficient selection of a single harmonic emission using a multi-color laser field with an aperture-iris diaphragm. Laser Physics, 2014, 24, 085302.	1.2	0
71	Extremely asymmetric electron localization in H ₂ controlled with a THz field. Physical Review A. 2014, 89, .	2.5	26
72	Circularly polarized sub-1.5 cycle laser pulses at 1.8 μm. Applied Physics B: Lasers and Optics, 2014, 115, 93-97.	2.2	3

#	ARTICLE	IF	CITATIONS
91	Attosecond pulse generation driven by a synthesized laser field with two pulses of controlled related phase. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 074004.	1.5	9
92	Electron Emission at Locked Phases from the Laser-Driven Surface Plasma Wave. Physical Review Letters, 2012, 109, 115002.	7.8	33
93	Waveform-Controlled Terahertz Radiation from the Air Filament Produced by Few-Cycle Laser Pulses. Physical Review Letters, 2012, 108, 255004.	7.8	59
94	Laser wakefield acceleration of electron beams beyond 1 GeV from an ablative capillary discharge waveguide. Applied Physics Letters, 2011, 99, 091502.	3.3	56
95	Two-center interference during the high harmonic generation in aligned O ₂ molecules. Optics Express, 2011, 19, 147.	3.4	4
96	Generation of carrier-envelope phase stabilized intense 15 cycle pulses at 175 nm. Optics Express, 2011, 19, 6783.	3.4	87
97	Ultrashort pulse temporal contrast enhancement based on noncollinear optical-parametric amplification. Optics Letters, 2011, 36, 781.	3.3	43
98	Active control scheme and mechanism in the two-pulse molecular alignment. Chemical Physics Letters, 2011, 506, 26-30.	2.6	4
99	Carrier-envelope phase offset for pulses from a tunable optical parametric amplifier. Optics Communications, 2011, 284, 3047-3050.	2.1	1
100	High Harmonic Generation from Aligned Molecules. Springer Series in Chemical Physics, 2011, , 127-143.	0.2	2
101	Robust generation of isolated attosecond pulse against the variation of carrier envelope phase of driving laser pulses. Physical Review A, 2010, 82, .	2.5	5
102	Coherent control of broadband isolated attosecond pulses in a chirped two-color laser field. Physical Review A, 2010, 81, .	2.5	33
103	Driving-laser wavelength dependence of high-order harmonic generation in H_2 . Physical Review A, 2010, 81, .	2.5	22
104	Angular and energy distribution of fast electrons emitted from a solid surface irradiated by femtosecond laser pulses in various conditions. Physics of Plasmas, 2010, 17, .	1.9	19
105	Nonadiabatic propagation effect for generating isolated sub-100 as pulses in the high-order harmonic plateau. Optics Letters, 2010, 35, 2618.	3.3	16
106	Quantum path interferences of electron trajectories in two-center molecules. Optics Express, 2010, 18, 2558.	3.4	18
107	Demonstration of extreme ultraviolet supercontinuum at the high harmonic plateau with a 6.5 fs/800 nm driving laser pulse. Applied Physics Letters, 2009, 95, 141102.	3.3	5
108	Quantum path selection and control in high-order harmonic generation using a spatially shaped laser beam. Physical Review A, 2009, 79, .	2.5	13

#	ARTICLE	IF	CITATIONS
127	Generation of an Extreme Ultraviolet Supercontinuum in a Two-Color Laser Field. <i>Physical Review Letters</i> , 2007, 98, 203901.	7.8	309
128	Few-cycle spatiotemporal soliton wave excited by filamentation of a femtosecond laser pulse in materials with anomalous dispersion. <i>Physical Review A</i> , 2006, 74, .	2.5	43
129	Time-resolved investigation of low-density plasma channels produced by a kilohertz femtosecond laser in air. <i>Physical Review E</i> , 2005, 72, 026412.	2.1	54
130	Single attosecond pulse generation using two-color polarized time-gating technique. <i>Optics Express</i> , 2005, 13, 9897.	3.4	20
131	Effect of the carrier-envelope phase of the driving laser field on the high-order harmonic attosecond pulse. <i>Physical Review A</i> , 2003, 67, .	2.5	20
132	Modified hydrodynamic model and its application in the investigation of laser-cluster interactions. <i>Physical Review A</i> , 2001, 64, .	2.5	36