

Alvaro Jimenez Galan

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,455
citations

331670

21
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

1004
citing authors

#	ARTICLE	IF	CITATIONS
1	Attosecond dynamics through a Fano resonance: Monitoring the birth of a photoelectron. <i>Science</i> , 2016, 354, 734-738.	12.6	213
2	Topological strong-field physics on sub-laser-cycle timescale. <i>Nature Photonics</i> , 2019, 13, 849-854.	31.4	132
3	Angular dependence of photoemission time delay in helium. <i>Physical Review A</i> , 2016, 94, .	2.5	119
4	Spectral phase measurement of a Fano resonance using tunable attosecond pulses. <i>Nature Communications</i> , 2016, 7, 10566.	12.8	119
5	Anisotropic photoemission time delays close to a Fano resonance. <i>Nature Communications</i> , 2018, 9, 955.	12.8	116
6	Attosecond spectral singularities in solid-state high-harmonic generation. <i>Nature Photonics</i> , 2020, 14, 183-187.	31.4	94
7	Light-induced valleytronics in pristine graphene. <i>Optica</i> , 2021, 8, 422.	9.3	71
8	Lightwave control of topological properties in 2D materials for sub-cycle and non-resonant valley manipulation. <i>Nature Photonics</i> , 2020, 14, 728-732.	31.4	61
9	Modulation of Attosecond Beating in Resonant Two-Photon Ionization. <i>Physical Review Letters</i> , 2014, 113, 263001.	7.8	58
10	Two-photon finite-pulse model for resonant transitions in attosecond experiments. <i>Physical Review A</i> , 2016, 93, .	2.5	51
11	Tracking ultrafast solid-state dynamics using high harmonic spectroscopy. <i>Physical Review Research</i> , 2021, 3, .	3.6	44
12	Control of attosecond light polarization in two-color bicircular fields. <i>Physical Review A</i> , 2018, 97, .	2.5	42
13	Time-frequency representation of autoionization dynamics in helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 044002.	1.5	41
14	Attosecond control of spin polarization in electron-ion recollision driven by intense tailored fields. <i>New Journal of Physics</i> , 2017, 19, 073007.	2.9	34
15	Time-resolved high harmonic spectroscopy of dynamical symmetry breaking in bi-circular laser fields: the role of Rydberg states. <i>Optics Express</i> , 2017, 25, 22880.	3.4	31
16	Dressing effects in the attosecond transient absorption spectra of doubly excited states in helium. <i>Physical Review A</i> , 2015, 91, .	2.5	30
17	Observation of light-driven band structure via multiband high-harmonic spectroscopy. <i>Nature Photonics</i> , 2022, 16, 428-432.	31.4	30
18	Sub-cycle valleytronics: control of valley polarization using few-cycle linearly polarized pulses. <i>Optica</i> , 2021, 8, 277.	9.3	28

#	ARTICLE	IF	CITATIONS
19	Control of photoemission delay in resonant two-photon transitions. <i>Physical Review A</i> , 2017, 95, .	2.5	27
20	Strong-field approximation in a rotating frame: High-order harmonic emission from p states in bicircular fields. <i>Physical Review A</i> , 2017, 96, .	2.5	24
21	Control of the helicity of high-order harmonic radiation using bichromatic circularly polarized laser fields. <i>Physical Review A</i> , 2018, 98, .	2.5	22
22	The soft-photon approximation in infrared-laser-assisted atomic ionization by extreme-ultraviolet attosecond-pulse trains. <i>New Journal of Physics</i> , 2013, 15, 113009.	2.9	21
23	Topological protection versus degree of entanglement of two-photon light in photonic topological insulators. <i>Nature Communications</i> , 2021, 12, 1974.	12.8	19
24	All-optical attoclock for imaging tunnelling wavepackets. <i>Nature Physics</i> , 2022, 18, 417-422.	16.7	12
25	Attosecond recorder of the polarization state of light. <i>Nature Communications</i> , 2018, 9, 850.	12.8	11
26	Electronic and non-adiabatic dynamics: general discussion. <i>Faraday Discussions</i> , 2016, 194, 209-257.	3.2	3
27	Modulation of Attosecond Beating by Resonant Two-Photon Transition. <i>Journal of Physics: Conference Series</i> , 2015, 635, 012005.	0.4	1
28	Modulation of Attosecond Beating in Resonant Two-Photon Ionization. <i>Journal of Physics: Conference Series</i> , 2015, 635, 092011.	0.4	0
29	Lightwave Control of Topological Properties in 2D Materials for Sub-Cycle and Non-Resonant Valley Manipulation. , 2021, , .		0