

Darko Dimitrovski

List of Publications by Year in descending order

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38
papers

1,779
citations

471509

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345221

36
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39
all docs

39
docs citations

39
times ranked

1034
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoelectron angular distributions from strong-field ionization of oriented molecules. Nature Physics, 2010, 6, 428-432.	16.7	349
2	Attoclock reveals natural coordinates of the laser-induced tunnelling current flow in atoms. Nature Physics, 2012, 8, 76-80.	16.7	330
3	Probing the Longitudinal Momentum Spread of the Electron Wave Packet at the Tunnel Exit. Physical Review Letters, 2012, 109, 083002.	7.8	111
4	Ionization in elliptically polarized pulses: Multielectron polarization effects and asymmetry of photoelectron momentum distributions. Physical Review A, 2012, 85, .	2.5	108
5	Strong-field ionization of polar molecules: Stark-shift-corrected strong-field approximation. Physical Review A, 2010, 82, .	2.5	104
6	Time-Resolved Photoelectron Angular Distributions from Strong-Field Ionization of Rotating Naphthalene Molecules. Physical Review Letters, 2011, 106, 073001.	7.8	81
7	Ionization of oriented carbonyl sulfide molecules by intense circularly polarized laser pulses. Physical Review A, 2011, 83, .	2.5	75
8	Orientation-dependent ionization yields from strong-field ionization of fixed-in-space linear and asymmetric top molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 015101.	1.5	73
9	Ionization of one- and three-dimensionally-oriented asymmetric-top molecules by intense circularly polarized femtosecond laser pulses. Physical Review A, 2011, 83, .	2.5	66
10	Molecular-Frame 3D Photoelectron Momentum Distributions by Tomographic Reconstruction. Physical Review Letters, 2012, 109, 123001.	7.8	59
11	Ionization and recombination in attosecond electric field pulses. Physical Review A, 2005, 72, .	2.5	48
12	High-order harmonic generation from gapped graphene: Perturbative response and transition to nonperturbative regime. Physical Review B, 2017, 95, .	3.2	45
13	Ionization and Recombination in Intense, Short Electric Field Pulses. Physical Review Letters, 2004, 93, 083003.	7.8	44
14	Low-Energy Photoelectrons in Strong-Field Ionization by Laser Pulses with Large Ellipticity. Physical Review Letters, 2014, 113, 103005.	7.8	41
15	Theory of low-energy photoelectrons in strong-field ionization by laser pulses with large ellipticity. Physical Review A, 2015, 91, .	2.5	23
16	Ionization and excitation of the hydrogen atom by an electric pulse. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 1351-1362.	1.5	18
17	Alignment-dependent strong-field ionization yields of carbonyl sulfide molecules induced by mid-infrared laser pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 205601.	1.5	18
18	Floquet-Bloch shifts in two-band semiconductors interacting with light. Physical Review A, 2017, 95, .	2.5	17

#	ARTICLE	IF	CITATIONS
19	Magnus expansion for laser-matter interaction: Application to generic few-cycle laser pulses. <i>Physical Review A</i> , 2009, 79, .	2.5	15
20	Strong-field short-pulse nondipole dynamics. <i>Physical Review A</i> , 2009, 80, .	2.5	15
21	The role of the atomic potential in the regime of strong-field tunnelling ionization: imprints on longitudinal and 2D momentum distributions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 245601.	1.5	13
22	Time-resolved subcycle dynamics: Importance of physical fields and gauge invariance. <i>Physical Review A</i> , 2008, 78, .	2.5	13
23	Ehrenfest's theorem and the validity of the two-step model for strong-field ionization. <i>Physical Review A</i> , 2013, 87, .	2.5	13
24	Electron detachment from negative ions by few-cycle laser pulses: Dependence on pulse duration. <i>Physical Review A</i> , 2007, 76, .	2.5	12
25	Strong-field ionization of three-dimensionally aligned naphthalene molecules: orbital modification and imprints of orbital nodal planes. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 245601.	1.5	11
26	Survival of Rydberg atoms in intense laser fields and the role of nondipole effects. <i>Physical Review A</i> , 2015, 91, .	2.5	10
27	Analytic formulae for occupation probabilities of atomic states in strong short laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 3019-3028.	1.5	9
28	The Magnus expansion for interaction of atoms with attosecond laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 175002.	1.5	9
29	Ionization in attosecond pulses: creating atoms without nuclei?. <i>New Journal of Physics</i> , 2008, 10, 025013.	2.9	9
30	Ionization of negative ions and atoms by electric pulses: zigzag dependence on pulse duration. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 895-903.	1.5	8
31	Time dependence of ionization and excitation by few-cycle laser pulses. <i>Physical Review A</i> , 2008, 78, .	2.5	8
32	Hidden-crossing transitions between collective states of coupled quantum rotators as a possible mechanism of memory processing. <i>Information Sciences</i> , 2004, 168, 267-276.	6.9	6
33	Ionization and recombination of many-electron atoms and ions in strong, short laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 4355-4366.	1.5	5
34	Observation of low-energy electrons in the photoelectron energy distribution from strong-field ionization of naphthalene by circularly polarized pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 121001.	1.5	5
35	Iterative approach to arbitrary nonlinear optical response functions of graphene. <i>Physical Review B</i> , 2019, 99, .	3.2	4
36	Brain-wave Dynamics Related to Cognitive Tasks and Neurofeedback Information Flow. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	0

#	ARTICLE	IF	CITATIONS
37	Detachment from negative ions by an electric pulse: from symmetric to fully asymmetric momentum distribution. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 215003.	1.5	0
38	Probing the longitudinal momentum spread of the electron wave packet at the tunnel exit. <i>EPJ Web of Conferences</i> , 2013, 41, 02017.	0.3	0