

# Darko Dimitrovski

## List of Publications by Year in descending order

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38  
papers

1,779  
citations

471509

17  
h-index

345221

36  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1034  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iterative approach to arbitrary nonlinear optical response functions of graphene. <i>Physical Review B</i> , 2019, 99, .	3.2	4
2	High-order harmonic generation from gapped graphene: Perturbative response and transition to nonperturbative regime. <i>Physical Review B</i> , 2017, 95, .	3.2	45
3	Floquet-Bloch shifts in two-band semiconductors interacting with light. <i>Physical Review A</i> , 2017, 95, .	2.5	17
4	Alignment-dependent strong-field ionization yields of carbonyl sulfide molecules induced by mid-infrared laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 205601.	1.5	18
5	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
6	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
7	Survival of Rydberg atoms in intense laser fields and the role of nondipole effects. <i>Physical Review A</i> , 2015, 91, .	2.5	10
8	Theory of low-energy photoelectrons in strong-field ionization by laser pulses with large ellipticity. <i>Physical Review A</i> , 2015, 91, .	2.5	23
9	Low-Energy Photoelectrons in Strong-Field Ionization by Laser Pulses with Large Ellipticity. <i>Physical Review Letters</i> , 2014, 113, 103005.	7.8	41
10	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
11	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
12	Molecular-Frame 3D Photoelectron Momentum Distributions by Tomographic Reconstruction. <i>Physical Review Letters</i> , 2012, 109, 123001.	7.8	59
13	Ionization in elliptically polarized pulses: Multielectron polarization effects and asymmetry of photoelectron momentum distributions. <i>Physical Review A</i> , 2012, 85, .	2.5	108
14	Orientation-dependent ionization yields from strong-field ionization of fixed-in-space linear and asymmetric top molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 015101.	1.5	73
15	Probing the Longitudinal Momentum Spread of the Electron Wave Packet at the Tunnel Exit. <i>Physical Review Letters</i> , 2012, 109, 083002.	7.8	111
16	Attoclock reveals natural coordinates of the laser-induced tunnelling current flow in atoms. <i>Nature Physics</i> , 2012, 8, 76-80.	16.7	330
17	Ionization of one- and three-dimensionally-oriented asymmetric-top molecules by intense circularly polarized femtosecond laser pulses. <i>Physical Review A</i> , 2011, 83, .	2.5	66
18	Ionization of oriented carbonyl sulfide molecules by intense circularly polarized laser pulses. <i>Physical Review A</i> , 2011, 83, .	2.5	75

#	ARTICLE	IF	CITATIONS
19	Time-Resolved Photoelectron Angular Distributions from Strong-Field Ionization of Rotating Naphthalene Molecules. <i>Physical Review Letters</i> , 2011, 106, 073001.	7.8	81
20	Strong-field ionization of polar molecules: Stark-shift-corrected strong-field approximation. <i>Physical Review A</i> , 2010, 82, .	2.5	104
21	Photoelectron angular distributions from strong-field ionization of oriented molecules. <i>Nature Physics</i> , 2010, 6, 428-432.	16.7	349
22	Magnus expansion for laser-matter interaction: Application to generic few-cycle laser pulses. <i>Physical Review A</i> , 2009, 79, .	2.5	15
23	Strong-field short-pulse nondipole dynamics. <i>Physical Review A</i> , 2009, 80, .	2.5	15
24	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
25	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
26	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
27	Ionization in attosecond pulses: creating atoms without nuclei?. <i>New Journal of Physics</i> , 2008, 10, 025013.	2.9	9
28	Time-resolved subcycle dynamics: Importance of physical fields and gauge invariance. <i>Physical Review A</i> , 2008, 78, .	2.5	13
29	Time dependence of ionization and excitation by few-cycle laser pulses. <i>Physical Review A</i> , 2008, 78, .	2.5	8
30	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
31	Electron detachment from negative ions by few-cycle laser pulses: Dependence on pulse duration. <i>Physical Review A</i> , 2007, 76, .	2.5	12
32	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
33	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
34	Ionization and recombination in attosecond electric field pulses. <i>Physical Review A</i> , 2005, 72, .	2.5	48
35	Ionization and Recombination in Intense, Short Electric Field Pulses. <i>Physical Review Letters</i> , 2004, 93, 083003.	7.8	44
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Brain-wave Dynamics Related to Cognitive Tasks and Neurofeedback Information Flow. AIP Conference Proceedings, 2003, , .	0.4	0