

Dmitri A Romanov

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

451
citations

1040056

9
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

590
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultraviolet surprise: Efficient soft x-ray high-harmonic generation in multiply ionized plasmas. <i>Science</i> , 2015, 350, 1225-1231.	12.6	165
2	Sequential nonadiabatic excitation of large molecules and ions driven by strong laser fields. <i>Physical Review A</i> , 2004, 69, .	2.5	92
3	Nonadiabatic dynamics of polyatomic molecules and ions in strong laser fields. <i>Physical Review A</i> , 2003, 68, .	2.5	74
4	Higher-order nonlinearity of refractive index: The case of argon. <i>Journal of Chemical Physics</i> , 2014, 140, 214316.	3.0	28
5	Observation of Broadband Time-Dependent Rabi Shifting in Microplasmas. <i>Physical Review Letters</i> , 2009, 103, 205001.	7.8	18
6	Strong Field Adiabatic Ionization Prepares a Launch State for Coherent Control. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 4305-4309.	4.6	18
7	Picosecond ionization dynamics in femtosecond filaments at high pressures. <i>Physical Review A</i> , 2017, 95, .	2.5	16
8	Decoherence of Rabi oscillations in laser-generated microplasmas. <i>Physical Review A</i> , 2013, 87, .	2.5	11
9	Probing strong-field electron-nuclear dynamics of polyatomic molecules using proton motion. <i>Physical Review A</i> , 2007, 75, .	2.5	9
10	Intrapulse impact processes in dense-gas femtosecond laser filamentation. <i>Physical Review A</i> , 2018, 97, .	2.5	7
11	Filament-Assisted Impulsive Raman Spectroscopy of Ozone and Nitrogen Oxides. <i>Journal of Physical Chemistry A</i> , 2015, 119, 9272-9280.	2.5	4
12	Adaptive reshaping of objects in (multiparameter) Hilbert space for enhanced detection and classification: an application of receiver operating curve statistics to laser-based mass spectroscopy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 1039.	1.5	3
13	Delayed ionization and excitation dynamics in a filament wake channel in a dense-gas medium. <i>Physical Review A</i> , 2020, 102, .	2.5	3
14	$\langle W \rangle$ -dispersion particles in repulsive potentials: Quasibound states and their lifetime. <i>Physical Review A</i> , 2015, 91, .	2.5	2
15	Control of the excited-to-ionized atoms ratio in a dense gas in the wake of an intense femtosecond laser pulse. <i>Physical Review E</i> , 2022, 105, 045210.	2.1	1