

Dimitar Popmintchev

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,707
citations

1163117

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h-index

1372567

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all docs

24
docs citations

24
times ranked

2326
citing authors

#	ARTICLE	IF	CITATIONS
1	Globally Optimized Monochromator for Coherent Diffractive Imaging with Tunable EUV Wavelength. , 2022, , .		0
2	High Performance Compression of 515 nm Laser Pulses at kHz-MHz Repetition Rates for Ultrabright EUV High Harmonic Generation. , 2022, , .		0
3	Near- and Extended-Edge X-Ray-Absorption Fine-Structure Spectroscopy Using Ultrafast Coherent High-Order Harmonic Supercontinua. Physical Review Letters, 2018, 120, 093002.	7.8	121
4	Lorentz drift compensation in high harmonic generation in the soft and hard X-ray regions of the spectrum. Optics Express, 2016, 24, 21818.	3.4	12
5	Helicity-selective phase-matching and quasi-phase matching of circularly polarized high-order harmonics: towards chiral attosecond pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 123501.	1.5	41
6	Generation of Bright Circularly-Polarized High Harmonics for Magneto-Optical Investigations. Springer Proceedings in Physics, 2016, , 187-192.	0.2	0
7	Bright High Harmonics with Tunable Polarization. , 2015, , .		0
8	Bright Isolated Attosecond Soft X-Ray Pulses. Springer Proceedings in Physics, 2015, , 95-98.	0.2	1
9	Ultraviolet surprise: Efficient soft x-ray high-harmonic generation in multiply ionized plasmas. Science, 2015, 350, 1225-1231.	12.6	165
10	Generation of bright phase-matched circularly-polarized extreme ultraviolet high harmonics. Nature Photonics, 2015, 9, 99-105.	31.4	403
11	X-Ray Magnetic Circular Dichroism Probed Using High Harmonics. Springer Proceedings in Physics, 2015, , 60-63.	0.2	1
12	Bright High Order Harmonic Generation in a Multiply Ionized Plasma up to the Water Window. , 2014, , .		0
13	Generation of bright isolated attosecond soft X-ray pulses driven by multicycle midinfrared lasers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2361-7.	7.1	116
14	Magnetic Circular Dichroism Probed with Bright High-order Harmonics. , 2014, , .		0
15	Magnetic Circular Dichroism probed using High Harmonics. , 2014, , .		0
16	Ultrahigh-Efficiency High Harmonic Generation Driven by UV Lasers. , 2013, , .		4
17	Frontiers in extreme nonlinear optics: Attosecond-to-zeptosecond coherent kiloelectronvolt X-rays on a tabletop. , 2013, , .		0
18	Efficient, phase matched keV high harmonic generation using mid-IR driving laser wavelengths. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Bright Coherent Ultrahigh Harmonics in the keV X-ray Regime from Mid-Infrared Femtosecond Lasers. Science, 2012, 336, 1287-1291.	12.6	1,537
20	Ultrafast keV X-rays from Tabletop Femtosecond Lasers. Optics and Photonics News, 2012, 23, 38.	0.5	0
21	Role of Self-focusing in Bright Coherent X-Ray Generation by Mid-Infrared Driving Lasers. , 2012, , .		0
22	Bright Coherent Attosecond-to-Zeptosecond Kiloelectronvolt X-ray Supercontinua. , 2011, , .		0
23	Bright, Coherent, Ultrafast Soft X-Ray Harmonics Spanning the Water Window from a Tabletop Light Source. Physical Review Letters, 2010, 105, 173901.	7.8	306
24	Nd:GdVO4 laser passively mode-locked by cascaded nonlinearity in periodically-poled lithium tantalate. , 2010, , .		0