Bernd SchÃ¼tte

List of Publications by Year
in descending order

49 papers	944 citations	430874 18 h-index	434195 31 g-index
49 all docs	49 docs citations	49 times ranked	1129 citing authors

#	Article	IF	Citations
1	Attosecond investigation of extreme-ultraviolet multi-photon multi-electron ionization. Optica, 2022, 9, 639.	9.3	17
2	Attosecond multi-photon multi-electron dynamics. , 2022, , .		0
3	Attosecond control of multi-photon multiple ionization dynamics. , 2021, , .		0
4	Compact intense extreme-ultraviolet source. Optica, 2021, 8, 960.	9.3	22
5	Extreme-ultraviolet spectral compression by four-wave mixing. Nature Photonics, 2021, 15, 263-266.	31.4	17
6	Attosecond control of multi-photon multi-electron dynamics. , 2021, , .		0
7	Field-Induced Tunneling Ionization and Terahertz-Driven Electron Dynamics in Liquid Water. Journal of Physical Chemistry Letters, 2020, 11, 7717-7722.	4.6	20
8	Propagation-assisted generation of intense few-femtosecond high-harmonic pulses. JPhys Photonics, 2020, 2, 034002.	4.6	13
9	Highly non-linear ionization of atoms induced by intense high-harmonic pulses. JPhys Photonics, 2020, 2, 034001.	4.6	28
10	THz streak camera performance for single-shot characterization of XUV pulses with complex temporal structures. Optics Express, 2020, 28, 20686.	3.4	4
11	Thin-disk laser-pumped OPCPA system delivering 4.4 TW few-cycle pulses. Optics Express, 2020, 28, 34574.	3.4	24
12	Table-top XUV Beamline for Coherent Diffractive Imaging of Isolated Gas-phase Nanoparticles. , 2020, , .		0
13	Mapping ultrafast ionization of atoms and clusters with terahertz-streaking delay. Physical Review A, 2019, 99, .	2.5	3
14	Ultrafast multi-electron dynamics studied with THz-field streaking. EPJ Web of Conferences, 2018, 195, 07003.	0.3	0
15	Extreme-ultraviolet refractive optics. Nature, 2018, 564, 91-94.	27.8	42
16	Spectral shifts and asymmetries in mid-infrared assisted high-order harmonic generation. Journal of the Optical Society of America B: Optical Physics, 2018, 35, A32.	2.1	5
17	Low-Energy Electron Emission in the Strong-Field Ionization of Rare Gas Clusters. Physical Review Letters, 2018, 121, 063202.	7.8	11
18	Correlated electronic decay in expanding clusters triggered by intense XUV pulses from a Free-Electron-Laser. Scientific Reports, 2017, 7, 40736.	3.3	23

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19	Rabi oscillations in extreme ultraviolet ionization of atomic argon. Physical Review A, 2017, 95, .	2.5	11
20	Time-Resolved Measurement of Interatomic Coulombic Decay Induced by Two-Photon Double Excitation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ne</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mr Physical Review Letters, 2017, 118, 033202.	7.8	32
21	Tracing transient charges in expanding clusters. Physical Review A, 2017, 95, .	2.5	4
22	Application of Matched-Filter Concepts to Unbiased Selection of Data in Pump-Probe Experiments with Free Electron Lasers. Applied Sciences (Switzerland), 2017, 7, 621.	2.5	1
23	Tracing Nonlinear Cluster Dynamics Induced by Intense XUV, NIR and MIR Laser Pulses. Springer Series in Chemical Physics, 2017, , 85-110.	0.2	0
24	NIR ionization avalanching in clusters ignited by ultrashort XUV pulses. , 2016, , .		0
25	Strong-field ionization of clusters using two-cycle pulses at 1.8â€‰Î¼m. Scientific Reports, 2016, 6, 39664.	3.3	11
26	Slow Interatomic Coulombic Decay of Multiply Excited Neon Clusters. Physical Review Letters, 2016, 117, 276806.	7.8	24
27	Autoionization following nanoplasma formation in atomic and molecular clusters. European Physical Journal D, 2016, 70, 1.	1.3	6
28	Ionization Avalanching in Clusters Ignited by Extreme-Ultraviolet Driven Seed Electrons. Physical Review Letters, 2016, 116, 033001.	7.8	28
29	Interatomic Coulombic Decay Processes after Multiple Valence Excitations in Ne Clusters. Journal of Physics: Conference Series, 2015, 635, 112067.	0.4	0
30	Correlated electronic decay following intense near-infrared ionization of clusters. Journal of Physics: Conference Series, 2015, 635, 012025.	0.4	2
31	Intracluster Coulombic decay following intense NIR ionization of clusters. Journal of Physics: Conference Series, 2015, 635, 102004.	0.4	0
32	Time-resolved investigation of transient charges in laser-produced nanoplasmas. Journal of Physics: Conference Series, 2015, 635, 102005.	0.4	1
33	Observation of correlated electronic decay in expanding clusters triggered by near-infrared fields. Nature Communications, 2015, 6, 8596.	12.8	32
34	Bright attosecond soft X-ray pulse trains by transient phase-matching in two-color high-order harmonic generation. Optics Express, 2015, 23, 33947.	3.4	28
35	Real-time fragmentation dynamics of clusters ionized by intense extreme-ultraviolet pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 185101.	1.5	11
36	Efficient Autoionization Following Intense Laser-Cluster Interactions. Physical Review Letters, 2015, 114, 123002.	7.8	13

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37	Recombination dynamics of clusters in intense extreme-ultraviolet and near-infrared fields. New Journal of Physics, 2015, 17, 033043.	2.9	26
38	Recombination-Induced Autoionization Process in Rare-Gas Clusters. Springer Proceedings in Physics, 2015, , 56-59.	0.2	0
39	Tracing Electron-Ion Recombination in Nanoplasmas Produced by Extreme-Ultraviolet Irradiation of Rare-Gas Clusters. Physical Review Letters, 2014, 112, 253401.	7.8	39
40	Rare-Gas Clusters in Intense Extreme-Ultraviolet Pulses from a High-Order Harmonic Source. Physical Review Letters, 2014, 112, 073003.	7.8	55
41	Chirped Auger electron emission due to field-assisted post-collision interaction. EPJ Web of Conferences, 2013, 41, 02006.	0.3	0
42	Evidence for Chirped Auger-Electron Emission. Physical Review Letters, 2012, 108, 253003.	7.8	37
43	Electron wave packet sampling with laser-generated extreme ultraviolet and terahertz fields. Optics Express, 2011, 19, 18833.	3.4	35
44	XUV femtosecond pulse width characterization with a laser-based terahertz-field-driven streak camera. , 2011, , .		0
45	Oblique angle lasing in a periodically pumped organic microcavity. Proceedings of SPIE, 2010, , .	0.8	0
46	Single-shot terahertz-field-driven X-ray streak camera. Nature Photonics, 2009, 3, 523-528.	31.4	271
47	Continuously tunable laser emission from a wedge-shaped organic microcavity. Applied Physics Letters, 2008, 92, .	3.3	46
48	Lower limit of the lasing threshold in an organic microcavity. Proceedings of SPIE, 2008, , .	0.8	0
49	Intense XUV pulses from a compact HHG setup using a single harmonic. Journal of Physics B: Atomic, Molecular and Optical Physics, 0, , .	1.5	2