

Michael KrÃ¼ger

List of Publications by Year in descending order

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53
papers

2,281
citations

361413

20
h-index

414414

32
g-index

54
all docs

54
docs citations

54
times ranked

1773
citing authors

#	ARTICLE	IF	CITATIONS
1	Attosecond control of electrons emitted from a nanoscale metal tip. <i>Nature</i> , 2011, 475, 78-81.	27.8	543
2	Attosecond physics at the nanoscale. <i>Reports on Progress in Physics</i> , 2017, 80, 054401.	20.1	274
3	Strong-Field Above-Threshold Photoemission from Sharp Metal Tips. <i>Physical Review Letters</i> , 2010, 105, 257601.	7.8	216
4	Attosecond physics in photoemission from a metal nanotip. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 074006.	1.5	125
5	Highly Coherent Electron Beam from a Laser-Triggered Tungsten Needle Tip. <i>Physical Review Letters</i> , 2015, 114, 227601.	7.8	114
6	Attosecond spectral singularities in solid-state high-harmonic generation. <i>Nature Photonics</i> , 2020, 14, 183-187.	31.4	94
7	Attosecond physics phenomena at nanometric tips. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 172001.	1.5	88
8	Attosecond time-resolved photoelectron holography. <i>Nature Communications</i> , 2018, 9, 2805.	12.8	81
9	Two-Color Coherent Control of Femtosecond Above-Threshold Photoemission from a Tungsten Nanotip. <i>Physical Review Letters</i> , 2016, 117, 217601.	7.8	73
10	Tip-based source of femtosecond electron pulses at 30 eV. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	70
11	Electron rescattering at metal nanotips induced by ultrashort laser pulses. <i>Physical Review B</i> , 2012, 86, .	3.2	68
12	Attosecond nanoscale near-field sampling. <i>Nature Communications</i> , 2016, 7, 11717.	12.8	67
13	Probing of Optical Near-Fields by Electron Rescattering on the 1 nm Scale. <i>Nano Letters</i> , 2013, 13, 4790-4794.	9.1	61
14	Interaction of ultrashort laser pulses with metal nanotips: a model system for strong-field phenomena. <i>New Journal of Physics</i> , 2012, 14, 085019.	2.9	60
15	Tracing the phase of focused broadband laser pulses. <i>Nature Physics</i> , 2017, 13, 947-951.	16.7	54
16	Field localization and rescattering in tip-enhanced photoemission. <i>Annalen Der Physik</i> , 2013, 525, L12.	2.4	37
17	Interferometric attosecond lock-in measurement of extreme-ultraviolet circular dichroism. <i>Nature Photonics</i> , 2019, 13, 198-204.	31.4	37
18	Electronic wavefunctions probed by all-optical attosecond interferometry. <i>Nature Photonics</i> , 2019, 13, 54-59.	31.4	35

#	ARTICLE	IF	CITATIONS
19	Self-probing spectroscopy of XUV photo-ionization dynamics in atoms subjected to a strong-field environment. <i>Nature Communications</i> , 2017, 8, 1453.	12.8	25
20	High visibility in two-color above-threshold photoemission from tungsten nanotips in a coherent control scheme. <i>Journal of Modern Optics</i> , 2017, 64, 1054-1060.	1.3	22
21	Note: Production of sharp gold tips with high surface quality. <i>Review of Scientific Instruments</i> , 2011, 82, 026101.	1.3	20
22	Self-probing of metal nanotips by rescattered electrons reveals the nano-optical near-field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 124022.	1.5	18
23	High-order-harmonic generation driven by metal nanotip photoemission: Theory and simulations. <i>Physical Review A</i> , 2014, 89, .	2.5	17
24	Robust enhancement of high harmonic generation via attosecond control of ionization. <i>Optics Express</i> , 2018, 26, 9310.	3.4	17
25	A look under the tunnelling barrier via attosecond-gated interferometry. <i>Nature Photonics</i> , 2022, 16, 304-310.	31.4	14
26	The Role of Electron Trajectories in XUV-Initiated High-Harmonic Generation. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 378.	2.5	13
27	Using the focal phase to control attosecond processes. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 124007.	2.2	11
28	Strong-field spectral interferometry using the carrier-envelope phase. <i>New Journal of Physics</i> , 2013, 15, 073031.	2.9	10
29	Direct measurement of Coulomb-laser coupling. <i>Scientific Reports</i> , 2021, 11, 495.	3.3	6
30	Optimal geometry for efficient loading of an optical dipole trap. <i>Physical Review A</i> , 2009, 79, .	2.5	4
31	Carrier-envelope phase dependent photoemission from a nanometric metal tip. , 2011, , .		3
32	Resolving the attosecond beat. <i>Nature Photonics</i> , 2016, 10, 626-627.	31.4	2
33	Simple Route to Enhancement of Soft X-Ray High Harmonic Generation Sources. , 2019, , .		1
34	Sub-optical-cycle electron pulse trains from metal nanotips. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2022, 55, 074001.	1.5	1
35	Ultrafast coherent electron emission from ultrasharp metal tips. , 2009, , .		0
36	Attosecond physics with a laser oscillator enabled by field enhancement at a nanoscale metal tip. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	Strong-field above-threshold photoemission from sharp metal tips. , 2011, , .		0
38	Attosecond emission dynamics in nonlinear photoemission from metal tips. , 2011, , .		0
39	Few-cycle laser induced photoemission and electron rescattering at a metal surface. , 2011, , .		0
40	Attosecond physics at a nanoscale metal tip: strong field physics meets near-field optics. , 2013, , .		0
41	Ultrashort laser oscillator pulses meet nano-structures: from attosecond physics at metal tips to dielectric laser accelerators. Journal of Physics: Conference Series, 2013, 467, 012004.	0.4	0
42	Attosecond physics at a nanoscale metal tip. EPJ Web of Conferences, 2013, 41, 01005.	0.3	0
43	Nanooptics and electrons: From strong-field physics at needle tips to dielectric laser acceleration. , 2014, , .		0
44	Coherent control of two-color above-threshold photoemission from tungsten nanotips. Journal of Physics: Conference Series, 2017, 875, 042006.	0.4	0
45	Robust enhancement of high harmonic generation via attosecond control of ionization. , 2017, , .		0
46	Tracing the Phase of Focused Broadband Laser Pulses. , 2019, , .		0
47	Interferometric Attosecond Lock-in Measurement of Extreme Ultraviolet Circular Dichroism. , 2019, , .		0
48	Tracing the phase of focused broadband laser pulses. EPJ Web of Conferences, 2019, 205, 01023.	0.3	0
49	Robust enhancement of high harmonic generation via attosecond control of ionization. EPJ Web of Conferences, 2019, 205, 02008.	0.3	0
50	Two-color phase-controlled photoemission from a zero-dimensional nanostructure. EPJ Web of Conferences, 2019, 205, 05004.	0.3	0
51	Electron Wavefunctions Probed by All-Optical Attosecond Interferometry. , 2019, , .		0
52	Strong-Field Effects and Attosecond Control of Electrons in Photoemission from a Nanoscale Metal Tip. Springer Proceedings in Physics, 2012, , 401-406.	0.2	0
53	Strong-Field-Assisted Measurement of Near-Fields and Coherent Control of Photoemission at Nanometric Metal Tips. Springer Series in Chemical Physics, 2017, , 143-155.	0.2	0