Michael KrÃ¼ger

List of Publications by Year
in descending order

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	A look under the tunnelling barrier via attosecond-gated interferometry. Nature Photonics, 2022, 16, 304-310.	31.4	14
2	Sub-optical-cycle electron pulse trains from metal nanotips. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 074001.	1.5	1
3	Direct measurement of Coulomb-laser coupling. Scientific Reports, 2021, 11, 495.	3.3	6
4	Attosecond spectral singularities in solid-state high-harmonic generation. Nature Photonics, 2020, 14, 183-187.	31.4	94
5	Tracing the Phase of Focused Broadband Laser Pulses. , 2019, , .		0
6	Interferometric Attosecond Lock-in Measurement of Extreme Ultraviolet Circular Diehroism. , 2019, , .		0
7	Tracing the phase of focused broadband laser pulses. EPJ Web of Conferences, 2019, 205, 01023.	0.3	0
8	Robust enhancement of high harmonic generation via attosecond control of ionization. EPJ Web of Conferences, 2019, 205, 02008.	0.3	0
9	Two-color phase-controlled photoemission from a zero-dimensional nanostructure. EPJ Web of Conferences, 2019, 205, 05004.	0.3	0
10	The Role of Electron Trajectories in XUV-Initiated High-Harmonic Generation. Applied Sciences (Switzerland), 2019, 9, 378.	2.5	13
11	Interferometric attosecond lock-in measurement of extreme-ultraviolet circular dichroism. Nature Photonics, 2019, 13, 198-204.	31.4	37
12	Electron Wavefunctions Probed by All-Optical Attosecond Interferometry. , 2019, , .		0
13	Simple Route to Enhancement of Soft X-Ray High Harmonic Generation Sources. , 2019, , .		1
14	Electronic wavefunctions probed by all-optical attosecond interferometry. Nature Photonics, 2019, 13, 54-59.	31.4	35
15	Attosecond physics phenomena at nanometric tips. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 172001.	1.5	88
16	Robust enhancement of high harmonic generation via attosecond control of ionization. Optics Express, 2018, 26, 9310.	3.4	17
17	Attosecond time-resolved photoelectron holography. Nature Communications, 2018, 9, 2805.	12.8	81
18	High visibility in two-color above-threshold photoemission from tungsten nanotips in a coherent control scheme. Journal of Modern Optics, 2017, 64, 1054-1060.	1.3	22

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19	Attosecond physics at the nanoscale. Reports on Progress in Physics, 2017, 80, 054401.	20.1	274
20	Using the focal phase to control attosecond processes. Journal of Optics (United Kingdom), 2017, 19, 124007.	2.2	11
21	Self-probing spectroscopy of XUV photo-ionization dynamics in atoms subjected to a strong-field environment. Nature Communications, 2017, 8, 1453.	12.8	25
22	Coherent control of two-color above-threshold photoemission from tungsten nanotips. Journal of Physics: Conference Series, 2017, 875, 042006.	0.4	0
23	Tracing the phase of focused broadband laserÂpulses. Nature Physics, 2017, 13, 947-951.	16.7	54
24	Robust enhancement of high harmonic generation via attosecond control of ionization. , 2017, , .		0
25	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
26	Attosecond nanoscale near-field sampling. Nature Communications, 2016, 7, 11717.	12.8	67
27	Resolving the attosecond beat. Nature Photonics, 2016, 10, 626-627.	31.4	2
28	Two-Color Coherent Control of Femtosecond Above-Threshold Photoemission from a Tungsten Nanotip. Physical Review Letters, 2016, 117, 217601.	7.8	73
29	Highly Coherent Electron Beam from a Laser-Triggered Tungsten Needle Tip. Physical Review Letters, 2015, 114, 227601.	7.8	114
30	Self-probing of metal nanotips by rescattered electrons reveals the nano-optical near-field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124022.	1.5	18
31	High-order-harmonic generation driven by metal nanotip photoemission: Theory and simulations. Physical Review A, 2014, 89, .	2.5	17
32	Nanooptics and electrons: From strong-field physics at needle tips to dielectric laser acceleration. , 2014, , .		0
33	Tip-based source of femtosecond electron pulses at 30â€‰keV. Journal of Applied Physics, 2014, 115, .	2.5	70
34	Probing of Optical Near-Fields by Electron Rescattering on the 1 nm Scale. Nano Letters, 2013, 13, 4790-4794.	9.1	61
35	Strong-field spectral interferometry using the carrierâ€“envelope phase. New Journal of Physics, 2013, 15, 073031.	2.9	10
36	Attosecond physics at a nanoscale metal tip: strong field physics meets near-field optics. , 2013, , .		0

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37	Field localization and rescattering in tipâ€enhanced photoemission. Annalen Der Physik, 2013, 525, L12.	2.4	37
38	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
39	Attosecond physics at a nanoscale metal tip. EPJ Web of Conferences, 2013, 41, 01005.	0.3	0
40	Interaction of ultrashort laser pulses with metal nanotips: a model system for strong-field phenomena. New Journal of Physics, 2012, 14, 085019.	2.9	60
41	Electron rescattering at metal nanotips induced by ultrashort laser pulses. Physical Review B, 2012, 86, .	3.2	68
42	Attosecond physics in photoemission from a metal nanotip. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 074006.	1.5	125
43	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
44	Attosecond control of electrons emitted from a nanoscale metal tip. Nature, 2011, 475, 78-81.	27.8	543
45	Attosecond physics with a laser oscillator enabled by field enhancement at a nanoscale metal tip. , 2011, , .		0
46	Note: Production of sharp gold tips with high surface quality. Review of Scientific Instruments, 2011, 82, 026101.	1.3	20
47	Carrier-envelope phase dependent photoemission from a nanometric metal tip. , 2011, , .		3
48	Strong-field above-threshold photoemission from sharp metal tips. , 2011, , .		0
49	Attosecond emission dynamics in nonlinear photoemission from metal tips. , 2011, , .		0
50	Few-cycle laser induced photoemission and electron rescattering at a metal surface. , 2011, , .		0
51	Strong-Field Above-Threshold Photoemission from Sharp Metal Tips. Physical Review Letters, 2010, 105, 257601.	7.8	216
52	Ultrafast coherent electron emission from ultrasharp metal tips. , 2009, , .		0
53	Optimal geometry for efficient loading of an optical dipole trap. Physical Review A, 2009, 79, .	2.5	4