

Peter Hommelhoff

List of Publications by Year in descending order

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171
papers

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docs citations

183
times ranked

3843
citing authors

#	ARTICLE	IF	CITATIONS
1	Diamond-based dielectric laser acceleration. <i>Optics Express</i> , 2022, 30, 505.	3.4	5
2	Experimental considerations in electron beam transport on a nanophotonic chip using alternating phase focusing. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2022, 40, .	1.2	4
3	Boosting the Efficiency of Smithâ€“Purcell Radiators Using Nanophotonic Inverse Design. <i>ACS Photonics</i> , 2022, 9, 664-671.	6.6	10
4	Atomic real-space perspective of light-field-driven currents in graphene. <i>New Journal of Physics</i> , 2022, 24, 033051.	2.9	1
5	Inverse-Designed Narrowband THz Radiator for Ultrarelativistic Electrons. <i>ACS Photonics</i> , 2022, 9, 1143-1149.	6.6	5
6	Light-field control of real and virtual charge carriers. <i>Nature</i> , 2022, 605, 251-255.	27.8	57
7	Spatiotemporal sampling of near-petahertz vortex fields. <i>Optica</i> , 2022, 9, 755.	9.3	9
8	Quantum-Coherent Light-Electron Interaction in a Scanning Electron Microscope. <i>Physical Review Letters</i> , 2022, 128, .	7.8	27
9	Novel Materials-based Laser Acceleration. , 2021, , .		0
10	Chip-based electrostatic beam splitting of guided kiloelectron volt electrons. <i>Applied Physics Letters</i> , 2021, 118, 034101.	3.3	1
11	Quantum Interference Visibility Spectroscopy in Two-Color Photoemission from Tungsten Needle Tips. <i>Physical Review Letters</i> , 2021, 126, 137403.	7.8	10
12	Coherent scattering of an optically modulated electron beam by atoms. <i>Physical Review A</i> , 2021, 103, .	2.5	4
13	Particle acceleration using top-illuminated nanophotonic dielectric structures. <i>Optics Express</i> , 2021, 29, 14403.	3.4	14
14	Two-color coherent control in photoemission from gold needle tips. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 134002.	1.5	9
15	Light field-driven electron dynamics in 2D-materials. , 2021, , .		0
16	Strong-field spectra and optical near-field enhancement at aluminium needle tips. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 144006.	1.5	4
17	Coherent control at gold needle tips approaching the strong-field regime. <i>Nanophotonics</i> , 2021, 10, 3717-3721.	6.0	8
18	Optical current generation in graphene: CEP control vs. $\langle i \rangle$ + $\langle i^2 \rangle$ control. <i>Nanophotonics</i> , 2021, 10, 3701-3707.	6.0	13

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19	Adiabaticity parameters for the categorization of light-matter interaction: From weak to strong driving. <i>Physical Review A</i> , 2021, 104, .	2.5	12
20	Onset of charge interaction in strong-field photoemission from nanometric needle tips. <i>Nanophotonics</i> , 2021, 10, 3769-3775.	6.0	14
21	Microchip accelerators. <i>Physics Today</i> , 2021, 74, 42-49.	0.3	3
22	Imprinting the quantum statistics of photons on free electrons. <i>Science</i> , 2021, 373, eabj7128.	12.6	75
23	Electron phase-space control in photonic chip-based particle acceleration. <i>Nature</i> , 2021, 597, 498-502.	27.8	45
24	Charged particle guiding and beam splitting with auto-ponderomotive potentials on a chip. <i>Nature Communications</i> , 2021, 12, 390.	12.8	9
25	Electronic Coherence and Coherent Dephasing in the Optical Control of Electrons in Graphene. <i>Nano Letters</i> , 2021, 21, 9403-9409.	9.1	18
26	Photoemission from an ultrabright and ultrafast LaB ₆ nanowire electron emitter studied at atomic scale. , 2021, , .		0
27	Length-dependence of light-induced currents in graphene. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 154001.	1.5	12
28	Gap-size dependence of optical near fields in a variable nanoscale two-tip junction. <i>Physical Review B</i> , 2020, 101, .	3.2	8
29	Sub-cycle temporal evolution of light-induced electron dynamics in hexagonal 2D materials. <i>JPhys Photonics</i> , 2020, 2, 024004.	4.6	18
30	Attosecond-fast internal photoemission. <i>Nature Photonics</i> , 2020, 14, 219-222.	31.4	23
31	Gallium Oxide for High-Power Optical Applications. <i>Advanced Optical Materials</i> , 2020, 8, 1901522.	7.3	25
32	Quantum path interference of photoemissions from metal nanotips in two-color laser fields. , 2020, , .		0
33	Dielectric laser accelerators: attosecond electron bunch creation and complex phase-space control. , 2020, , .		0
34	Intracycle interference in the interaction of laser and electron beams. <i>Physical Review Research</i> , 2020, 2, .	3.6	5
35	Interaction of carrier envelope phase-stable laser pulses with graphene: the transition from the weak-field to the strong-field regime. <i>New Journal of Physics</i> , 2019, 21, 045003.	2.9	36
36	Generation of 15 cycle pulses at 780 nm at oscillator repetition rates with stable carrier-envelope phase. <i>Optics Express</i> , 2019, 27, 24105.	3.4	4

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37	Three-Dimensional Electrostatic Field at an Electron Nano-Emitter Determined by Differential Phase Contrast in Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 74-75.	0.4	0
38	Tracing the Phase of Focused Broadband Laser Pulses. , 2019, , .		0
39	Tracing the phase of focused broadband laser pulses. <i>EPJ Web of Conferences</i> , 2019, 205, 01023.	0.3	0
40	Lightwave-controlled electron dynamics in graphene. <i>EPJ Web of Conferences</i> , 2019, 205, 05002.	0.3	2
41	Two-color phase-controlled photoemission from a zero-dimensional nanostructure. <i>EPJ Web of Conferences</i> , 2019, 205, 05004.	0.3	0
42	From strong-field physics in and at nanoscale matter to photonics-based laser accelerators. <i>EPJ Web of Conferences</i> , 2019, 205, 08009.	0.3	0
43	Femtosecond Laser-Induced Electron Emission from Nanodiamond-Coated Tungsten Needle Tips. <i>Physical Review Letters</i> , 2019, 123, 146802.	7.8	22
44	Fabrication and structural characterization of diamond-coated tungsten tips. <i>Diamond and Related Materials</i> , 2019, 97, 107446.	3.9	7
45	Challenges in simulating beam dynamics of dielectric laser acceleration. <i>International Journal of Modern Physics A</i> , 2019, 34, 1942031.	1.5	7
46	Generation and Characterization of Attosecond Microbunched Electron Pulse Trains via Dielectric Laser Acceleration. <i>Physical Review Letters</i> , 2019, 123, 264803.	7.8	75
47	Beam splitting of low-energy guided electrons with a two-sided microwave chip. <i>Applied Physics Letters</i> , 2019, 115, 104103.	3.3	5
48	Determination of 3D electrostatic field at an electron nano-emitter. <i>Applied Physics Letters</i> , 2019, 114, 013101.	3.3	14
49	Dielectric laser electron acceleration in a dual pillar grating with a distributed Bragg reflector. <i>Optics Letters</i> , 2019, 44, 1520.	3.3	38
50	Carrier-envelope-phase-stable soliton-based pulse compression to 44â€‰fs and ultraviolet generation at the 800â€‰kHz repetition rate. <i>Optics Letters</i> , 2019, 44, 5005.	3.3	12
51	Ponderomotive Generation and Detection of Attosecond Free-Electron Pulse Trains. <i>Physical Review Letters</i> , 2018, 120, 103203.	7.8	121
52	Nonadiabatic ponderomotive effects in photoemission from nanotips in intense midinfrared laser fields. <i>Physical Review A</i> , 2018, 97, .	2.5	14
53	Silicon dual pillar structure with a distributed Bragg reflector for dielectric laser accelerators: Design and fabrication. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 909, 221-223.	1.6	8
54	Coherence in Laser-Driven Electrons at the Surface and in the Volume of Solid Matter. , 2018, , 129-139.		1

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55	Inelastic ponderomotive scattering of electrons at a high-intensity optical travelling wave in vacuum. <i>Nature Physics</i> , 2018, 14, 121-125.	16.7	80
56	Alternating-Phase Focusing for Dielectric-Laser Acceleration. <i>Physical Review Letters</i> , 2018, 121, 214801.	7.8	58
57	Coherent Electron Trajectory Control in Graphene. <i>Physical Review Letters</i> , 2018, 121, 207401.	7.8	79
58	High spatial coherence in multiphoton-photoemitted electron beams. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	17
59	Attosecond physics phenomena at nanometric tips. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 172001.	1.5	88
60	High-order above-threshold photoemission from nanotips controlled with two-color laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 134001.	1.5	26
61	The ACHIP experimental chambers at the Paul Scherrer Institut. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 907, 244-247.	1.6	10
62	Elements of a dielectric laser accelerator. <i>Optica</i> , 2018, 5, 687.	9.3	50
63	Ultrafast scanning electron microscope applied for studying the interaction between free electrons and optical near-fields of periodic nanostructures. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	29
64	Landau-Zener-Stückelberg interferometer on attosecond timescales in graphene. , 2018, , .		3
65	Dielectric laser acceleration of sub-relativistic electrons by few-cycle laser pulses. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 865, 84-86.	1.6	18
66	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
67	Optical gating and streaking of free electrons with sub-optical cycle precision. <i>Nature Communications</i> , 2017, 8, 14342.	12.8	62
68	Trapping field assisted backscattering in strong-field photoemission from dielectric nanospheres. <i>Journal of Modern Optics</i> , 2017, 64, 1096-1103.	1.3	17
69	Attosecond physics at the nanoscale. <i>Reports on Progress in Physics</i> , 2017, 80, 054401.	20.1	274
70	Reconstruction of Nanoscale Near Fields by Attosecond Streaking. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 77-87.	2.9	16
71	Outline of a dielectric laser acceleration experiment at SwissFEL. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 865, 87-90.	1.6	16
72	Coherence in laser-driven electrons at the surface and in the volume of solid matter. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	1

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73	Light-field-driven currents in graphene. <i>Nature</i> , 2017, 550, 224-228.	27.8	288
74	Using the focal phase to control attosecond processes. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 124007.	2.2	11
75	Coherent control of two-color above-threshold photoemission from tungsten nanotips. <i>Journal of Physics: Conference Series</i> , 2017, 875, 042006.	0.4	0
76	Tracing the phase of focused broadband laser pulses. <i>Nature Physics</i> , 2017, 13, 947-951.	16.7	54
77	Acceleration of sub-relativistic electrons with an evanescent optical wave at a planar interface. <i>Optics Express</i> , 2017, 25, 19195.	3.4	46
78	Sub-optical-cycle control of free electrons by optical near-fields. , 2017, , .		1
79	Electron dynamics in graphene reaching the light-field-driven regime. , 2017, , .		0
80	Photoemission from Nanomaterials in Strong Few-Cycle Laser Fields. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2017, , 283-299.	0.3	1
81	Strong-Field-Assisted Measurement of Near-Fields and Coherent Control of Photoemission at Nanometric Metal Tips. <i>Springer Series in Chemical Physics</i> , 2017, , 143-155.	0.2	0
82	Attosecond nanoscale near-field sampling. <i>Nature Communications</i> , 2016, 7, 11717.	12.8	67
83	Laser-driven acceleration of subrelativistic electrons near a nanostructured dielectric grating: From acceleration via higher spatial harmonics to necessary elements of a dielectric accelerator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 829, 50-51.	1.6	6
84	Summary of the working group 3: Electron beams from electromagnetic structures, including dielectric and laser-driven structures. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 829, 181-182.	1.6	0
85	A miniaturized electron source based on dielectric laser accelerator operation at higher spatial harmonics and a nanotip photoemitter. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 034006.	1.5	26
86	Designs for a quantum electron microscope. <i>Ultramicroscopy</i> , 2016, 164, 31-45.	1.9	122
87	Transverse and longitudinal characterization of electron beams using interaction with optical near-fields. <i>Optics Letters</i> , 2016, 41, 3435.	3.3	8
88	Two-Color Coherent Control of Femtosecond Above-Threshold Photoemission from a Tungsten Nanotip. <i>Physical Review Letters</i> , 2016, 117, 217601.	7.8	73
89	Recent experimental results and future directions of the DLA single grating project. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
90	Compact Ultrashort Pulsed 2.05 μm All-PM Fiber Laser For Dielectric Laser Acceleration of Non-relativistic Electrons. , 2016, , .		2

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91	Can a Quantum Electron Microscope Achieve Low-Damage (Biological) Imaging?. Microscopy and Microanalysis, 2015, 21, 50-53.	0.4	2
92	Highly Coherent Electron Beam from a Laser-Triggered Tungsten Needle Tip. Physical Review Letters, 2015, 114, 227601.	7.8	114
93	Harmonic radiation from crystals. Nature, 2015, 523, 541-542.	27.8	1
94	Microwave Chip-Based Beam Splitter for Low-Energy Guided Electrons. Physical Review Letters, 2015, 114, 254801.	7.8	19
95	A nanoscale vacuum-tube diode triggered by few-cycle laser pulses. Applied Physics Letters, 2015, 106, .	3.3	39
96	Large optical field enhancement for nanotips with large opening angles. New Journal of Physics, 2015, 17, 063010.	2.9	62
97	Laser Acceleration of Non-relativistic Electrons at Dielectric Structures: Status and Outlook. , 2015, , .		0
98	Attosecond Electron Response in Nanoscale Interfaces. , 2015, , .		0
99	Dielectric laser acceleration of electrons in the vicinity of single and double grating structuresâ€”theory and simulations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 234004.	1.5	50
100	Semitransparency in interaction-free measurements. Physical Review A, 2014, 90, .	2.5	57
101	Phase-Resolved Electron Guiding in Optimized Chip-Based Microwave Potentials. Physical Review Applied, 2014, 2, .	3.8	8
102	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
103	High-order-harmonic generation driven by metal nanotip photoemission: Theory and simulations. Physical Review A, 2014, 89, .	2.5	17
104	Dielectric laser accelerators. Reviews of Modern Physics, 2014, 86, 1337-1389.	45.6	286
105	Dielectric laser acceleration of 28keV electrons with the inverse Smithâ€™Purcell effect. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 740, 114-116.	1.6	9
106	Strong-Field Perspective on High-Harmonic Radiation from Bulk Solids. Physical Review Letters, 2014, 113, 213901.	7.8	153
107	Experimental demonstration of high spatial coherence of laser-triggered field emitters. , 2014, , .		0
108	Nanooptics and electrons: From strong-field physics at needle tips to dielectric laser acceleration. , 2014, , .		0

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109	Direct Laser Acceleration of 28 keV Electrons at a Single Dielectric Grating. <i>Physics Procedia</i> , 2014, 52, 14-18.	1.2	1
110	Tip-based source of femtosecond electron pulses at 30 keV. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	70
111	Dielectric laser acceleration of nonrelativistic electrons at a single fused silica grating structure: Experimental part. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014, 17, .	1.8	44
112	Carrier-envelope frequency stabilization of a Ti:sapphire oscillator using different pump lasers: part II. <i>Applied Physics B: Lasers and Optics</i> , 2014, 117, 33-39.	2.2	5
113	A nanoscale vacuum-tube diode triggered by few-cycle laser pulses. , 2014, , .		0
114	Probing of Optical Near-Fields by Electron Rescattering on the 1 nm Scale. <i>Nano Letters</i> , 2013, 13, 4790-4794.	9.1	61
115	Laser-Based Acceleration of Nonrelativistic Electrons at a Dielectric Structure. <i>Physical Review Letters</i> , 2013, 111, 134803.	7.8	267
116	Direct laser acceleration of non-relativistic electrons at a photonic structure. , 2013, , .		1
117	Ultrafast phenomena on the nanoscale. <i>Annalen Der Physik</i> , 2013, 525, A13.	2.4	7
118	Strong-field spectral interferometry using the carrier-envelope phase. <i>New Journal of Physics</i> , 2013, 15, 073031.	2.9	10
119	Attosecond physics at a nanoscale metal tip: strong field physics meets near-field optics. , 2013, , .		0
120	Field localization and rescattering in tip-enhanced photoemission. <i>Annalen Der Physik</i> , 2013, 525, L12.	2.4	37
121	Acceleration of non-relativistic electrons at a dielectric grating structure: Status report. , 2013, , .		1
122	Ultrashort laser oscillator pulses meet nano-structures: from attosecond physics at metal tips to dielectric laser accelerators. <i>Journal of Physics: Conference Series</i> , 2013, 467, 012004.	0.4	0
123	Generation of sub-two-cycle pulses tunable around 1.8 μm with passively stabilized carrier-envelope phase at 100 kHz repetition rate. <i>EPJ Web of Conferences</i> , 2013, 41, 10012.	0.3	0
124	Attosecond physics at a nanoscale metal tip. <i>EPJ Web of Conferences</i> , 2013, 41, 01005.	0.3	0
125	Interaction-free measurements with electrons. , 2013, , .		0
126	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

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127	Carrier-envelope phase stable sub-two-cycle pulses tunable around 18 μm at 100kHz. Optics Letters, 2012, 37, 1673.	3.3	46
128	Generating few-cycle pulses for nanoscale photoemission easily with an erbium-doped fiber laser. Optics Express, 2012, 20, 13663.	3.4	8
129	Carrier-envelope frequency stabilization of a Ti:sapphire oscillator using different pump lasers. Optics Express, 2012, 20, 18387.	3.4	21
130	Electron rescattering at metal nanotips induced by ultrashort laser pulses. Physical Review B, 2012, 86, .	3.2	68
131	Attosecond physics in photoemission from a metal nanotip. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 074006.	1.5	125
132	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
133	Single-pass high-harmonic generation at 208 MHz repetition rate. Optics Letters, 2011, 36, 3428.	3.3	64
134	Attosecond control of electrons emitted from a nanoscale metal tip. Nature, 2011, 475, 78-81.	27.8	543
135	Attosecond physics with a laser oscillator enabled by field enhancement at a nanoscale metal tip. , 2011, , .		0
136	Note: Production of sharp gold tips with high surface quality. Review of Scientific Instruments, 2011, 82, 026101.	1.3	20
137	Carrier-envelope phase dependent photoemission from a nanometric metal tip. , 2011, , .		3
138	Strong-field above-threshold photoemission from sharp metal tips. , 2011, , .		0
139	Microwave Guiding of Electrons on a Chip. Physical Review Letters, 2011, 106, 193001.	7.8	31
140	Attosecond emission dynamics in nonlinear photoemission from metal tips. , 2011, , .		0
141	Few-cycle laser induced photoemission and electron rescattering at a metal surface. , 2011, , .		0
142	Planar microwave structures for electron guiding. New Journal of Physics, 2011, 13, 095012.	2.9	9
143	XUV frequency combs. , 2010, , .		1
144	A Peltier cooled single pass amplifier for Titanium:Sapphire laser pulses. Laser Physics, 2010, 20, 967-970.	1.2	3

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145	Modeling and optimization of single-pass laser amplifiers for high-repetition-rate laser pulses. Physical Review A, 2010, 82, .	2.5	10
146	Strong-Field Above-Threshold Photoemission from Sharp Metal Tips. Physical Review Letters, 2010, 105, 257601.	7.8	216
147	Photonic Structure Based Acceleration of Non-Relativistic Electrons – Simulations and Proof-of-Concept Experiment. , 2010, , .		0
148	Ultrafast coherent electron emission from ultrasharp metal tips. , 2009, , .		0
149	Miniaturized microwave Paul traps for electron guiding. , 2009, , .		1
150	Amplification of ultrashort pulses with a single-pass cryogenic Ti:sapphire amplifier at 80MHz repetition rate. , 2009, , .		0
151	Ultrafast nanometric electron sources: current status, first applications, and suitable laser sources. , 2009, , .		0
152	Phase-stable single-pass cryogenic amplifier for high repetition rate few-cycle laser pulses. New Journal of Physics, 2009, 11, 083029.	2.9	17
153	Extreme localization of electrons in space and time. Ultramicroscopy, 2009, 109, 423-429.	1.9	40
154	Reaching the resolved tunnel regime for a femtosecond oscillator driven field emission electron source. Laser Physics, 2009, 19, 736-738.	1.2	9
155	Photonic-based laser driven electron beam deflection and focusing structures. Physical Review Special Topics: Accelerators and Beams, 2009, 12, .	1.8	36
156	Ultrafast Laser-Induced Electron Emission from Field Emission Tips. Springer Series in Chemical Physics, 2009, , 702-704.	0.2	1
157	A spatially and temporally localized sub-laser cycle electron source. Springer Series in Chemical Physics, 2007, , 746-748.	0.2	1
158	Femtosecond laser meets field emission tip $\hat{\lambda}$ a sensor for the carrier envelope phase. , 2006, , .		6
159	Quantum information processing in optical lattices and magnetic microtraps. Fortschritte Der Physik, 2006, 54, 702-718.	4.4	89
160	Field Emission Tip as a Nanometer Source of Free Electron Femtosecond Pulses. Physical Review Letters, 2006, 96, 077401.	7.8	400
161	Ultrafast Electron Pulses from a Tungsten Tip Triggered by Low-Power Femtosecond Laser Pulses. Physical Review Letters, 2006, 97, 247402.	7.8	237
162	Transporting, splitting and merging of atomic ensembles in a chip trap. New Journal of Physics, 2005, 7, 3-3.	2.9	54

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163	Coherence in Microchip Traps. Physical Review Letters, 2004, 92, 203005.	7.8	212
164	COHERENT ATOMIC STATES IN MICROTRAPS. , 2004, , .		0
165	Observation of coherent internal-state superpositions near a chip surface. , 2003, , .		0
166	Magnetic microchip traps and single-atom detection. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 1375-1389.	3.4	37
167	SPEEDY BEC IN A TINY TRAP: COHERENT MATTER WAVES ON A MICROCHIP. , 2002, , .		0
168	Applications of integrated magnetic microtraps. Applied Physics B: Lasers and Optics, 2001, 72, 81-89.	2.2	85
169	Bose-Einstein condensation on a microelectronic chip. Nature, 2001, 413, 498-501.	27.8	556
170	Trapped-atom interferometer in a magnetic microtrap. Physical Review A, 2001, 64, .	2.5	116
171	Magnetic Conveyor Belt for Transporting and Merging Trapped Atom Clouds. Physical Review Letters, 2001, 86, 608-611.	7.8	169