Peter Dombi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2747393/publications.pdf

Version: 2024-02-01

150	2,281	257101	223531
papers	citations	24 h-index	46 g-index

155	155	155	2043
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrafast Strong-Field Photoemission from Plasmonic Nanoparticles. Nano Letters, 2013, 13, 674-678.	4.5	238
2	Observation of Light-Phase-Sensitive Photoemission from a Metal. Physical Review Letters, 2004, 92, 073902.	2.9	187
3	Strong-field nano-optics. Reviews of Modern Physics, 2020, 92, .	16.4	141
4	Approaching the microjoule frontier with femtosecond laser oscillators. New Journal of Physics, 2005, 7, 216-216.	1.2	140
5	Ultrafast Electron Emission from a Sharp Metal Nanotaper Driven by Adiabatic Nanofocusing of Surface Plasmons. Nano Letters, 2015, 15, 4685-4691.	4.5	115
6	Laser Coulomb-explosion imaging of small molecules. Physical Review A, 2005, 71, .	1.0	94
7	Observation of few-cycle, strong-field phenomena in surface plasmon fields. Optics Express, 2010, 18, 24206.	1.7	81
8	Direct measurement and analysis of the carrier-envelope phase in light pulses approaching the single-cycle regime. New Journal of Physics, 2004, 6, 39-39.	1.2	69
9	Measurement of Nanoplasmonic Field Enhancement with Ultrafast Photoemission. Nano Letters, 2017, 17, 1181-1186.	4.5	68
10	Strong-field plasmonic electron acceleration with few-cycle, phase-stabilized laser pulses. Applied Physics Letters, 2011, 98, 111116.	1.5	64
11	Single attosecond pulse from terahertz-assisted high-order harmonic generation. Physical Review A, 2011, 84, .	1.0	61
12	Phase-stabilized 4-fs pulses at the full oscillator repetition rate for a photoemission experiment. Applied Physics B: Lasers and Optics, 2003, 76, 329-332.	1.1	52
13	Pulse compression with time-domain optimized chirped mirrors. Optics Express, 2005, 13, 10888.	1.7	51
14	Scalable Yb-MOPA-driven carrier-envelope phase-stable few-cycle parametric amplifier at 15 Î¼m. Optics Letters, 2009, 34, 118.	1.7	43
15	Mechanisms of THz generation from silver nanoparticle and nanohole arrays illuminated by 100 fs pulses of infrared light. Physical Review B, 2014, 89, .	1.1	43
16	Influence of the Carrier-Envelope Phase of Few-Cycle Pulses on Ponderomotive Surface-Plasmon Electron Acceleration. Physical Review Letters, 2006, 97, 146801.	2.9	42
17	Extreme light infrastructure: laser architecture and major challenges. Proceedings of SPIE, 2010, , .	0.8	40
18	Ultrafast monoenergetic electron source by optical waveform control of surface plasmons. Optics Express, 2008, 16, 2887.	1.7	39

#	Article	IF	Citations
19	A nanoscale vacuum-tube diode triggered by few-cycle laser pulses. Applied Physics Letters, 2015, 106, .	1.5	39
20	Strong-field plasmonic photoemission in the mid-IR at <1â€…GW/cm2 intensity. Scientific Reports, 2015, 5, 7584.	1.6	34
21	Advances in high-order harmonic generation sources for time-resolved investigations. Journal of Electron Spectroscopy and Related Phenomena, 2015, 204, 257-268.	0.8	31
22	Ultrafast dynamics and carrier-envelope phase sensitivity of multiphoton photoemission from metal surfaces. Journal of Modern Optics, 2006, 53, 163-172.	0.6	30
23	Surface plasmon enhanced electron acceleration with few-cycle laser pulses. Laser and Particle Beams, 2009, 27, 291-296.	0.4	29
24	Investigation of a 200-nJ chirped-pulse Ti:Sapphire oscillator for white light generation. Laser Physics Letters, 2007, 4, 538-542.	0.6	28
25	Plasmonâ€“plasmon coupling probed by ultrafast, strong-field photoemission with <7 Ã… sensitivity. Nanoscale, 2018, 10, 16261-16267.	2.8	26
26	Direct comparison of kilohertz- and megahertz-repetition-rate femtosecond damage threshold. Optics Letters, 2015, 40, 2525.	1.7	25
27	Genetic optimization of attosecond-pulse generation in light-field synthesizers. Physical Review A, 2014, 90, .	1.0	23
28	Chirped-pulse supercontinuum generation with a long-cavity Ti:sapphire oscillator. Applied Physics B: Lasers and Optics, 2007, 88, 379-384.	1.1	22
29	Light-field-driven current control in solids with pJ-level laser pulses at 80â€‰â€‰MHz repetition rate. Optica, 2021, 8, 570.	4.8	22
30	Dispersion management in femtosecond laser oscillators with highly dispersive mirrors. Optics Express, 2009, 17, 20598.	1.7	21
31	Efficacy of Romiplostim in the Treatment of Chemotherapy Induced Thrombocytopenia (CIT) in a Patient with Mantle Cell Lymphoma. Pathology and Oncology Research, 2011, 17, 141-143.	0.9	21
32	Geographic Information Systems in the Service of Alternative Tourism â€“ Methods with Landscape Evaluation and Target Group Preference Weighting. International Journal of Tourism Research, 2014, 16, 496-512.	2.1	18
33	Nonlinear processes induced by the enhanced, evanescent field of surface plasmons excited by femtosecond laser pulses. Optics Express, 2008, 16, 21656.	1.7	16
34	Field enhancement and rectification of surface plasmons detected by scanning tunneling microscopy. Physical Review B, 2011, 83, .	1.1	16
35	Silicon carbide nanocrystals produced by femtosecond laser pulses. Diamond and Related Materials, 2018, 81, 96-102.	1.8	16
36	Few-cycle plasmon oscillations controlling photoemission from metal nanoparticles. Applied Physics Letters, 2015, 106, .	1.5	15

#	Article	IF	Citations
37	Fine tuning of the higher-order dispersion of a prismatic pulse compressor. Applied Physics B: Lasers and Optics, 2002, 75, 649-654.	1.1	14
38	Probing Coherent Surface Plasmon Polariton Propagation Using Ultrabroadband Spectral Interferometry. ACS Photonics, 2017, 4, 347-354.	3.2	14
39	Near-Field-Induced Femtosecond Breakdown of Plasmonic Nanoparticles. Plasmonics, 2020, 15, 335-340.	1.8	14
40	High harmonic generation on noble gas clusters. Optics Express, 2019, 27, 26721.	1.7	14
41	Nonlinear Plasmonics. Journal of Modern Optics, 2008, 55, 3203-3210.	0.6	13
42	Increased incidence of monoclonal B-cell infiltrate in chronic myeloproliferative disorders. Modern Pathology, 2004, 17, 1521-1530.	2.9	12
43	Anagrelide reduces thrombotic risk in essential thrombocythaemia vs. hydroxyurea plus aspirin. European Journal of Haematology, 2017, 98, 106-111.	1.1	12
44	Attosecond pulse generation with an optimization loop in a light-field-synthesizer. Optics Express, 2016, 24, 21957.	1.7	11
45	Freezing the carrier-envelope phase of few-cycle light pulses about a focus. Optics Express, 2009, 17, 19424.	1.7	9
46	Femtosecond damage resistance of femtosecond multilayer and hybrid mirrors. Optics Letters, 2016, 41, 3527.	1.7	9
47	Maximization of supercontinua in photonic crystal fibers by using double pulses and polarization effects. Applied Physics B: Lasers and Optics, 2003, 77, 319-324.	1.1	8
48	Surface Plasmon-Enhanced Photoemission and Electron Acceleration with Ultrashort Laser Pulses. Advances in Imaging and Electron Physics, 2009, , 1-26.	0.1	8
49	Design of high-efficiency ultrabroadband dielectric gratings. Applied Optics, 2014, 53, 5769.	0.9	8
50	Conversion of chirp in fiber compression. Optics Letters, 2014, 39, 2232.	1.7	8
51	Spontaneous emission of radiation by metallic electrons in the presence of electromagnetic fields of surface plasmon oscillations. Journal of Modern Optics, 2010, 57, 80-90.	0.6	7
52	Nonponderomotive electron acceleration in ultrashort surface-plasmon fields. Physical Review A, 2011, 84, .	1.0	7
53	The Extreme Light Infrastructureâ€"Attosecond Light Pulse Source (ELI-ALPS) Project. Springer Series in Chemical Physics, 2017, , 181-218.	0.2	7
54	Nonadiabatic Nano-optical Tunneling of Photoelectrons in Plasmonic Near-Fields. Nano Letters, 2022, 22, 2303-2308.	4.5	7

#	Article	IF	Citations
55	10-mJ optically synchronized CEP-stable chirped parametric amplifier at 1.5 Î¼m. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2010, 108, 456-462.	0.2	6
56	Compression of long-cavity Ti:sapphire oscillator pulses with large-mode-area photonic crystal fibers. Applied Physics B: Lasers and Optics, 2013, 111, 415-418.	1.1	6
57	High harmonic generation and ionization effects in cluster targets. High Power Laser Science and Engineering, 2014, 2, .	2.0	6
58	Few-cycle localized plasmon oscillations. Scientific Reports, 2020, 10, 12986.	1.6	6
59	Efficacy and Tolerability of a 2-Year Rituximab Maintenance Therapy in Patients with Advanced Follicular Lymphoma after Induction of Response with Rituximab-Containing First Line-Regimens (HUSOM Study). Pathology and Oncology Research, 2018, 24, 199-205.	0.9	5
60	Fabrication and analysis of transmission gratings produced by the indirect laser etching technique. Journal Physics D: Applied Physics, 2011, 44, 415103.	1.3	4
61	Pre-excitation studies for rubidium-plasma generation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 740, 203-207.	0.7	4
62	Ultrafast multipulse damage threshold of femtosecond high reflectors. Applied Optics, 2018, 57, 340.	0.9	4
63	Efficient generation of large diffraction gratings with a grating interferometer. Applied Optics, 2001, 40, 6153.	2.1	3
64	Surface plasmons: a strong alliance of electrons and light. Physica Scripta, 2016, 91, 053010.	1.2	3
65	The efficacy and safety of bevacizumab in addition to platinumâ€‘based chemotherapy for the firstâ€‘line treatment of patients with advanced nonsquamous nonâ€‘smallâ€‘cell lung cancer: Final results of AVALANCHE, an observational cohort study. Oncology Letters, 2018, 17, 1750-1760.	0.8	3
66	Tuning plasmonic field enhancement and transients by far-field coupling between nanostructures. Applied Physics Letters, 2020, 117, .	1.5	3
67	Femtosecond LIPSS on indium-tin-oxide thin films at IR wavelengths. Applied Optics, 2022, 61, 386.	0.9	3
68	Ultrafast strong-field photoemission from plasmonic nanoparticles. , 2013, , .		2
69	Femtosecond damage threshold at kHz and MHz pulse repetition rates. , 2014, , .		2
70	Atomic coherence effects in few-cycle pulse induced ionization*. European Physical Journal D, 2016, 70, 1.	0.6	2
71	Real-time interferometric diagnostics of rubidium plasma. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 884, 25-30.	0.7	2
72	On the role of rescattering and image charge in ultrafast nanooptical field probing with electrons. Journal of Optics (United Kingdom), 2018, 20, 015501.	1.0	2

#	Article	IF	Citations
73	Sturmianâ€“Floquet approach to high-order harmonic generation. Journal of the Optical Society of America B: Optical Physics, 2018, 35, A126.	0.9	2
74	Simulation of photoelectron emission from metallic nanoparticles under laser irradiation. European Physical Journal D, 2019, 73, 1.	0.6	2
75	Solid-State Carrier-Envelope Phase Detector. Springer Series in Optical Sciences, 2004, , 185-189.	0.5	2
76	Microstructuring of Transparent Dielectric Films by TWIN-LIBWE Method for OWLS Applications. Journal of Laser Micro Nanoengineering, 2013, 8, 271-275.	0.4	2
77	Control of plasmonic field enhancement by mode-mixing. Applied Physics Letters, 2022, 120, .	1.5	2
78	Solid-state light phase detector. , 2003, , .		1
79	Carrier-envelope phase-controlled laser-surface interactions. , 2008, , .		1
80	Observation of few-cycle, strong-field phenomena in surface plasmon fields. , 2011, , .		1
81	Grating fabrication in dielectric coatings by TWIN-LIBWE. , 2011, , .		1
82	Conceptual Design of the Laser Systems for the Attosecond Light Pulse Source. , 2013, , .		1
83	Correlations between the final momenta of electrons and their initial phase-space distribution during photoionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 085005.	0.6	1
84	Measurement of nanoplasmonic field enhancement with ultrafast photoemission. , 2017, , .		1
85	Investigation of Laser-Induced Currents in Large-Band-Gap Dielectrics. , 2014, , .		1
86	Multimillijoule Optically Synchronized and Carrier-Envelope-Phase-Stable Chirped Parametric Amplification at 1.5 Î¼m. Springer Series in Chemical Physics, 2009, , 864-866.	0.2	1
87	Ultrafast plasmonic photoemission in the single-cycle and few-cycle regimes. Scientific Reports, 2022, 12, 3932.	1.6	1
88	Maximization of supercontinua in fibers by using double pulses and polarization effects. , 0, , .		0
89	Solid-state light phase detector. , 0, , .		0
90	Progress in generation and applications of phase-stabilized, few-cycle pulses at MHz repetition rate in Vienna. , 0, , .		0

#	Article	IF	Citations
91	Photoelectrons measuring the phase of light. Europhysics News, 2004, 35, 129-130.	0.1	0
92	Generation of ultra-broadband high energy pulses without external amplification. Springer Series in Chemical Physics, 2005, , 25-27.	0.2	0
93	Carrier-Envelope Phase Sensitive Photoelectron Emission Induced by Sub-10-fs Laser Pulses. European Physical Journal A, 2005, 23, 107-115.	0.2	0
94	Chirped-pulse supercontinuum generation with a 200-nJ Ti:sapphire oscillator. , 2007, , .		0
95	Coherent control for the spherical symmetric box potential in short and intensive XUV laser fields. Open Physics, 2008, 6, .	0.8	0
96	Solitonic dynamics of ultrashort pulses in a highly nonlinear photonic-crystal fiber visualized by spectral interferometry. Optics Letters, 2008, 33, 446.	1.7	0
97	10-mJ few-cycle chirped pulse parametric amplification at 1.5 Î¼m. , 2008, , .		0
98	10-mJ Few-Cycle OPCPA at 1.5 Î¼m. , 2008, , .		0
99	Dispersion management in femtosecond laser oscillators with highly dispersive mirrors. , 2009, , .		0
100	Scientific study of ELI Attosecond Light Pulse Source. , 2011, , .		0
101	Ultrafast, Surface Plasmon Enhanced Strong-Field Photoemission with a Mid-IR OPCPA. , 2011, , .		0
102	Attosecond Science at the Future ELI-ALPS Facility in Hungary. , 2011, , .		0
103	Single attosecond pulse from terahertz assisted high-order harmonic generation. , 2011, , .		0
104	Preamble: Light at Extreme Intensities 2011. , 2012, , .		0
105	Application of high intensity THz pulses for gas high harmonic generation. Open Physics, 2013, 11, .	0.8	0
106	The ELI-ALPS secondary sources: a getaway to scientific excellence. , 2013, , .		0
107	Compression of long-cavity Ti:Sapphire oscillator pulses with large-mode-area photonic crystal fibers. , 2013, , .		0
108	ELI-ALPS, the attosecond facility of the extreme light infrastructure. , 2013, , .		0

#	Article	IF	Citations
109	Ultrafast strong-field photoemission from plasmonic nanoparticles. , 2013, , .		0
110	Intracavity Herriott-cell testbed for large-aperture femtosecond optics. Laser Physics Letters, 2014, 11, 125805.	0.6	0
111	Pulse compression with large-mode-area photonic crystal fibres. , 2014, , .		0
112	Conversion of chirp in femtosecond fiber compressors. , 2015, , .		0
113	Strong field nanoplasmonic photoemission in the mid-IR at <1 GW/cm² intensity. , 2015, , .		0
114	Remotely Driven Electron Emission for Ultrafast Electron Microscopy. , 2016, , .		0
115	Ultrafast Plasmonic Electron Emission from Ag Nanolayers with Different Roughness. Plasmonics, 2016, 11, 811-816.	1.8	0
116	Ultrafast Nanoplasmonic Photoemission. Springer Series on Atomic, Optical, and Plasma Physics, 2016, , 205-231.	0.1	0
117	Ultrafast Nanooptical Near-Field Probing with Photoelectrons. , 2018, , .		0
118	Spectroscopic Ellipsometry of Surface Plasmons. , 2019, , .		0
119	Heat-Assisted Femtosecond Breakdown of Plasmonic Nanoparticles. , 2019, , .		0
120	Few-Femtosecond Plasmon Transients Probed with nm-Scale Sensitivity. , 2019, , .		0
121	Plasmon-Plasmon Coupling Probed by Ultrafast, Strong-Field Photoemission with <7 Ã... Sensitivity. , 2019, , .		0
122	Terahertz-Induced Electron Emission from a Gold Surface. , 2019, , .		0
123	Terahertz-Induced Electron Emission from a Gold Surface. , 2019, , .		0
124	Effectiveness of the Combination of Rituximab and Standard Chemotherapeutic Regimens in Previously Untreated Patients with Chronic Lymphocytic Leukaemia in Real-Life: Results from a Noninterventional Study (CILI Study). Pathology and Oncology Research, 2019, 25, 535-540.	0.9	0
125	Photoelecton emission from silver nanoparticles after laser irradiation. Journal of Physics: Conference Series, 2020, 1412, 092022.	0.3	0
126	Anagrelide influences thrombotic risk, and prolongs progressionâ€free and overall survival in essential thrombocythaemia vs hydroxyurea plus aspirin. European Journal of Haematology, 2020, 105, 408-418.	1.1	0

#	Article	IF	Citations
127	Az atomi magasfelharmonikus-keltÃ©s polarizÃ¡ciÃ³fÃ¼ggÃ©se diszkrÃ©t bÃ¡zis esetÃ©n. , 2021, , .		0
128	Energy-resolved few-cycle nanoplasmonic photoemission dynamics. , 2021, , .		0
129	Periodic Surface Structures Induced by 2-Âµm Femtosecond Pulses on ITO. , 2021, , .		0
130	Nonadiabatic Tunneling Of Photoelectrons Induced By Few-Cycle Near-Fields. , 2021, , .		0
131	Tunable third order dispersion of a prismatic pulse compressor. , 2000, , .		0
132	Tunable third-order dispersion of a prismatic pulse compressor. Springer Series in Chemical Physics, 2001, , 168-170.	0.2	0
133	Ultrafast Dynamics of Multiphoton Photoemission from Gold and Carrier-Envelope Phase Sensitivity. , 2005, , .		0
134	Ultrafast Dynamics of Multiphoton Photoemission from Gold and Carrier-Envelope Phase Sensitivity. , 2005, , .		0
135	Multimillijoule Optically Synchronized and Carrier-Envelope-Phase-Stable Chirped Parametric Amplification at 1.5 Âµm. , 2008, , .		0
136	Multimillijoule optically synchronized and CEP-stabilized chirped parametric amplification at 1.5 μm. , 2008, , .		0
137	Attosecond Pulse Generation in Noble Gases in the Presence of Extreme High Intensity THz Pulses. , 2010, , .		0
138	Femtosecond Pulse Compression with Large- Mode-Area Photonic Crystal Fibres. , 2011, , .		0
139	Ultrafast, Plasmonically Enhanced Photoemission from Metals. , 2011, , .		0
140	Terahertz pulses enhance generation of attosecond light bursts. SPIE Newsroom, 0, , .	0.1	0
141	Investigation of Laser-Induced Currents in Large-Band-Gap Dielectrics. Springer Proceedings in Physics, 2015, , 237-240.	0.1	0
142	A Road toward Attosecond Physics in Solids - Atomic-Like Rydberg States Localized at a Nanotip. , 2016, , .		0
143	Strong Field Above Threshold Ionization of Rydberg Electrons Localized to a Gold Nanotip. , 2016, , .		0
144	Efficient Emission of Ultrafast Electron Bursts by Plasmonic Nanofocusing of Light. , 2016, , .		0

#	Article	IF	Citations
145	High Harmonic Generation on Noble Gas Clusters. , 2020, , .		0
146	Light-Field-Driven Current Control in Dielectrics with pJ-Level Laser Pulses at 80 MHz Repetition Rate. , 2021, , .		0
147	Polarization dependence of atomic high-order harmonic generation: Description using a discrete basis. Physical Review A, 2022, 105, .	1.0	0
148	Nonadiabatic Nanooptical Tunneling of Photoelectrons in Plasmonic Near-Fields. , 2022, , .		0
149	On-Chip Carrier-Envelope Phase Scanner. , 2022, , .		0
150	Laser-Induced Ultrafast Currents in Dielectrics Enhanced by Iridium Nanoparticles. , 2022, , .		0