

Peter Dombi

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

1,659
citations

23
h-index

38
g-index

155
ext. papers

2,013
ext. citations

3.2
avg, IF

4.35
L-index

#	Paper	IF	Citations
97	Ultrafast strong-field photoemission from plasmonic nanoparticles. <i>Nano Letters</i> , 2013 , 13, 674-8	11.5	179
96	Observation of light-phase-sensitive photoemission from a metal. <i>Physical Review Letters</i> , 2004 , 92, 073902	7.0	159
95	Ultrafast Electron Emission from a Sharp Metal Nanotaper Driven by Adiabatic Nanofocusing of Surface Plasmons. <i>Nano Letters</i> , 2015 , 15, 4685-91	11.5	92
94	Approaching the microjoule frontier with femtosecond laser oscillators. <i>New Journal of Physics</i> , 2005 , 7, 216-216	2.9	91
93	Laser Coulomb-explosion imaging of small molecules. <i>Physical Review A</i> , 2005 , 71,	2.6	71
92	Observation of few-cycle, strong-field phenomena in surface plasmon fields. <i>Optics Express</i> , 2010 , 18, 24206-12	3.3	62
91	Direct measurement and analysis of the carrier-envelope phase in light pulses approaching the single-cycle regime. <i>New Journal of Physics</i> , 2004 , 6, 39-39	2.9	59
90	Strong-field nano-optics. <i>Reviews of Modern Physics</i> , 2020 , 92,	40.5	51
89	Strong-field plasmonic electron acceleration with few-cycle, phase-stabilized laser pulses. <i>Applied Physics Letters</i> , 2011 , 98, 111116	3.4	50
88	Measurement of Nanoplasmonic Field Enhancement with Ultrafast Photoemission. <i>Nano Letters</i> , 2017 , 17, 1181-1186	11.5	48
87	Phase-stabilized 4-fs pulses at the full oscillator repetition rate for a photoemission experiment. <i>Applied Physics B: Lasers and Optics</i> , 2003 , 76, 329-332	1.9	46
86	Single attosecond pulse from terahertz-assisted high-order harmonic generation. <i>Physical Review A</i> , 2011 , 84,	2.6	43
85	Influence of the carrier-envelope phase of few-cycle pulses on ponderomotive surface-plasmon electron acceleration. <i>Physical Review Letters</i> , 2006 , 97, 146801	7.4	34
84	A nanoscale vacuum-tube diode triggered by few-cycle laser pulses. <i>Applied Physics Letters</i> , 2015 , 106, 051109	3.4	33
83	Extreme light infrastructure: laser architecture and major challenges 2010 ,		33
82	Scalable Yb-MOPA-driven carrier-envelope phase-stable few-cycle parametric amplifier at 1.5 microm. <i>Optics Letters</i> , 2009 , 34, 118-20	3	33
81	Mechanisms of THz generation from silver nanoparticle and nanohole arrays illuminated by 100 fs pulses of infrared light. <i>Physical Review B</i> , 2014 , 89,	3.3	32

80	Pulse compression with time-domain optimized chirped mirrors. <i>Optics Express</i> , 2005 , 13, 10888-94	3.3	31
79	Ultrafast monoenergetic electron source by optical waveform control of surface plasmons. <i>Optics Express</i> , 2008 , 16, 2887-93	3.3	30
78	Ultrafast dynamics and carrier-envelope phase sensitivity of multiphoton photoemission from metal surfaces. <i>Journal of Modern Optics</i> , 2006 , 53, 163-172	1.1	29
77	Surface plasmon enhanced electron acceleration with few-cycle laser pulses. <i>Laser and Particle Beams</i> , 2009 , 27, 291-296	0.9	27
76	Advances in high-order harmonic generation sources for time-resolved investigations. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015 , 204, 257-268	1.7	23
75	Strong-field plasmonic photoemission in the mid-IR at . <i>Scientific Reports</i> , 2015 , 5, 7584	4.9	23
74	Investigation of a 200-nJ chirped-pulse Ti:Sapphire oscillator for white light generation. <i>Laser Physics Letters</i> , 2007 , 4, 538-542	1.5	22
73	Efficacy of romiplostim in the treatment of chemotherapy induced thrombocytopenia (CIT) in a patient with mantle cell lymphoma. <i>Pathology and Oncology Research</i> , 2011 , 17, 141-3	2.6	20
72	Chirped-pulse supercontinuum generation with a long-cavity Ti:sapphire oscillator. <i>Applied Physics B: Lasers and Optics</i> , 2007 , 88, 379-384	1.9	18
71	Genetic optimization of attosecond-pulse generation in light-field synthesizers. <i>Physical Review A</i> , 2014 , 90,	2.6	17
70	Dispersion management in femtosecond laser oscillators with highly dispersive mirrors. <i>Optics Express</i> , 2009 , 17, 20598-604	3.3	17
69	Direct comparison of kilohertz- and megahertz-repetition-rate femtosecond damage threshold. <i>Optics Letters</i> , 2015 , 40, 2525-8	3	15
68	Nonlinear processes induced by the enhanced, evanescent field of surface plasmons excited by femtosecond laser pulses. <i>Optics Express</i> , 2008 , 16, 21656-61	3.3	15
67	Geographic Information Systems in the Service of Alternative Tourism [Methods with Landscape Evaluation and Target Group Preference Weighting. <i>International Journal of Tourism Research</i> , 2014 , 16, 496-512	3.7	14
66	Field enhancement and rectification of surface plasmons detected by scanning tunneling microscopy. <i>Physical Review B</i> , 2011 , 83,	3.3	13
65	Probing Coherent Surface Plasmon Polariton Propagation Using Ultrabroadband Spectral Interferometry. <i>ACS Photonics</i> , 2017 , 4, 347-354	6.3	12
64	Plasmon-plasmon coupling probed by ultrafast, strong-field photoemission with . <i>Nanoscale</i> , 2018 , 10, 16261-16267	7.7	12
63	Increased incidence of monoclonal B-cell infiltrate in chronic myeloproliferative disorders. <i>Modern Pathology</i> , 2004 , 17, 1521-30	9.8	12

62	Fine tuning of the higher-order dispersion of a prismatic pulse compressor. <i>Applied Physics B: Lasers and Optics</i> , 2002 , 75, 649-654	1.9	12
61	Nonlinear Plasmonics. <i>Journal of Modern Optics</i> , 2008 , 55, 3203-3210	1.1	11
60	Few-cycle plasmon oscillations controlling photoemission from metal nanoparticles. <i>Applied Physics Letters</i> , 2015 , 106, 013111	3.4	10
59	Attosecond pulse generation with an optimization loop in a light-field-synthesizer. <i>Optics Express</i> , 2016 , 24, 21957-62	3.3	10
58	Silicon carbide nanocrystals produced by femtosecond laser pulses. <i>Diamond and Related Materials</i> , 2018 , 81, 96-102	3.5	10
57	Near-Field-Induced Femtosecond Breakdown of Plasmonic Nanoparticles. <i>Plasmonics</i> , 2020 , 15, 335-340	2.4	9
56	Anagrelide reduces thrombotic risk in essential thrombocythaemia vs. hydroxyurea plus aspirin. <i>European Journal of Haematology</i> , 2017 , 98, 106-111	3.8	8
55	Surface Plasmon-Enhanced Photoemission and Electron Acceleration with Ultrashort Laser Pulses. <i>Advances in Imaging and Electron Physics</i> , 2009 , 1-26	0.2	8
54	Nonponderomotive electron acceleration in ultrashort surface-plasmon fields. <i>Physical Review A</i> , 2011 , 84,	2.6	7
53	Light-field-driven current control in solids with pJ-level laser pulses at 80 MHz repetition rate. <i>Optica</i> , 2021 , 8, 570	8.6	7
52	Design of high-efficiency ultrabroadband dielectric gratings. <i>Applied Optics</i> , 2014 , 53, 5769-74	1.7	6
51	Spontaneous emission of radiation by metallic electrons in the presence of electromagnetic fields of surface plasmon oscillations. <i>Journal of Modern Optics</i> , 2010 , 57, 80-90	1.1	6
50	Freezing the carrier-envelope phase of few-cycle light pulses about a focus. <i>Optics Express</i> , 2009 , 17, 19424-34	3.3	6
49	Maximization of supercontinua in photonic crystal fibers by using double pulses and polarization effects. <i>Applied Physics B: Lasers and Optics</i> , 2003 , 77, 319-324	1.9	6
48	Femtosecond damage resistance of femtosecond multilayer and hybrid mirrors. <i>Optics Letters</i> , 2016 , 41, 3527-30	3	5
47	The Extreme Light Infrastructure Attosecond Light Pulse Source (ELI-ALPS) Project. <i>Springer Series in Chemical Physics</i> , 2017 , 181-218	0.3	5
46	10-mJ optically synchronized CEP-stable chirped parametric amplifier at 1.5 μ m. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2010 , 108, 456-462	0.7	5
45	High harmonic generation on noble gas clusters. <i>Optics Express</i> , 2019 , 27, 26721-26727	3.3	5

44	Compression of long-cavity Ti:sapphire oscillator pulses with large-mode-area photonic crystal fibers. <i>Applied Physics B: Lasers and Optics</i> , 2013 , 111, 415-418	1.9	4
43	High harmonic generation and ionization effects in cluster targets. <i>High Power Laser Science and Engineering</i> , 2014 , 2,	4.3	4
42	Pre-excitation studies for rubidium-plasma generation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 740, 203-207 ^{1,2}	1.2	3
41	Conversion of chirp in fiber compression. <i>Optics Letters</i> , 2014 , 39, 2232-5	3	3
40	Fabrication and analysis of transmission gratings produced by the indirect laser etching technique. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 415103	3	3
39	Efficient generation of large diffraction gratings with a grating interferometer. <i>Applied Optics</i> , 2001 , 40, 6153-6	1.7	3
38	Ultrafast multipulse damage threshold of femtosecond high reflectors. <i>Applied Optics</i> , 2018 , 57, 340-343	1.7	3
37	Surface plasmons: a strong alliance of electrons and light. <i>Physica Scripta</i> , 2016 , 91, 053010	2.6	3
36	The efficacy and safety of bevacizumab in addition to platinum-based chemotherapy for the first-line treatment of patients with advanced nonsquamous non-small-cell lung cancer: Final results of AVALANCHE, an observational cohort study. <i>Oncology Letters</i> , 2019 , 17, 1750-1760	2.6	3
35	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). <i>Pathology and Oncology Research</i> , 2018 , 24, 199-205	2.6	2
34	Femtosecond damage threshold at kHz and MHz pulse repetition rates 2014 ,		2
33	Solid-State Carrier-Envelope Phase Detector. <i>Springer Series in Optical Sciences</i> , 2004 , 185-189	0.5	2
32	Microstructuring of Transparent Dielectric Films by TWIN-LIBWE Method for OWLS Applications. <i>Journal of Laser Micro Nanoengineering</i> , 2013 , 8, 271-275	1	2
31	Few-cycle localized plasmon oscillations. <i>Scientific Reports</i> , 2020 , 10, 12986	4.9	2
30	Tuning plasmonic field enhancement and transients by far-field coupling between nanostructures. <i>Applied Physics Letters</i> , 2020 , 117, 081105	3.4	2
29	Atomic coherence effects in few-cycle pulse induced ionization*. <i>European Physical Journal D</i> , 2016 , 70, 1	1.3	2
28	On the role of rescattering and image charge in ultrafast nanooptical field probing with electrons. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 015501	1.7	2
27	Correlations between the final momenta of electrons and their initial phase-space distribution during photoionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017 , 50, 085005	1.3	1

26	Real-time interferometric diagnostics of rubidium plasma. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018 , 884, 25-30	1.2	1
25	Sturmian-Bloquet approach to high-order harmonic generation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, A126	1.7	1
24	Ultrafast, Strong-Field Plasmonic Phenomena 2015 , 39-86		1
23	Grating fabrication in dielectric coatings by TWIN-LIBWE 2011 ,		1
22	Carrier-envelope phase-controlled laser-surface interactions 2008 ,		1
21	Solid-state light phase detector 2003 ,		1
20	Investigation of Laser-Induced Currents in Large-Band-Gap Dielectrics 2014 ,		1
19	Nonadiabatic Nano-optical Tunneling of Photoelectrons in Plasmonic Near-Fields.. <i>Nano Letters</i> , 2022 ,	11.5	1
18	Simulation of photoelectron emission from metallic nanoparticles under laser irradiation. <i>European Physical Journal D</i> , 2019 , 73, 1	1.3	0
17	Control of plasmonic field enhancement by mode-mixing. <i>Applied Physics Letters</i> , 2022 , 120, 053103	3.4	0
16	Femtosecond LIPSS on indium-tin-oxide thin films at IR wavelengths.. <i>Applied Optics</i> , 2022 , 61, 386-391	1.7	0
15	Multimillijoule Optically Synchronized and Carrier-Envelope-Phase-Stable Chirped Parametric Amplification at 1.5 μm . <i>Springer Series in Chemical Physics</i> , 2009 , 864-866	0.3	0
14	Ultrafast plasmonic photoemission in the single-cycle and few-cycle regimes.. <i>Scientific Reports</i> , 2022 , 12, 3932	4.9	0
13	Photoelectron emission from silver nanoparticles after laser irradiation. <i>Journal of Physics: Conference Series</i> , 2020 , 1412, 092022	0.3	
12	Anagrelide influences thrombotic risk, and prolongs progression-free and overall survival in essential thrombocythaemia vs hydroxyurea plus aspirin. <i>European Journal of Haematology</i> , 2020 , 105, 408-418	3.8	
11	Ultrafast Plasmonic Electron Emission from Ag Nanolayers with Different Roughness. <i>Plasmonics</i> , 2016 , 11, 811-816	2.4	
10	Ultrafast Nanoplasmonic Photoemission. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016 , 205-231	0.4	
9	Intracavity Herriott-cell testbed for large-aperture femtosecond optics. <i>Laser Physics Letters</i> , 2014 , 11, 125805	1.5	

- 8 Solitonic dynamics of ultrashort pulses in a highly nonlinear photonic-crystal fiber visualized by spectral interferometry. *Optics Letters*, **2008**, 33, 446-8 3
- 7 Carrier-envelope phase sensitive photoelectron emission induced by sub-10-fs laser pulses. *European Physical Journal A*, **2005**, 23, 107-115
- 6 Photoelectrons measuring the phase of light. *Europhysics News*, **2004**, 35, 129-130 0.2
- 5 Generation of ultra-broadband high energy pulses without external amplification. *Springer Series in Chemical Physics*, **2005**, 25-27 0.3
- 4 Tunable third-order dispersion of a prismatic pulse compressor. *Springer Series in Chemical Physics*, **2001**, 168-170 0.3
- 3 Investigation of Laser-Induced Currents in Large-Band-Gap Dielectrics. *Springer Proceedings in Physics*, **2015**, 237-240 0.2
- 2 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 (CILl Study). *Pathology and Oncology Research*, **2019**, 25, 535-540 2.6
- 1 Few-Femtosecond Plasmon Transients Probed with nm-Scale Sensitivity. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2022**, 297-298 0.2