

Henry Kapteyn

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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.

410
papers

23,290
citations

84
h-index

143
g-index

627
ext. papers

27,403
ext. citations

6.4
avg, IF

6.42
L-index

#	Paper	IF	Citations
410	Bright coherent ultrahigh harmonics in the keV x-ray regime from mid-infrared femtosecond lasers. <i>Science</i> , 2012 , 336, 1287-91	33.3	1091
409	Phase-matched generation of coherent soft X-rays. <i>Science</i> , 1998 , 280, 1412-5	33.3	691
408	Shaped-pulse optimization of coherent emission of high-harmonic soft X-rays. <i>Nature</i> , 2000 , 406, 164-6	50.4	595
407	Generation of Coherent Soft X Rays at 2.7 nm Using High Harmonics. <i>Physical Review Letters</i> , 1997 , 79, 2967-2970	7.4	567
406	High-Harmonic Generation of Attosecond Pulses in the Single-Cycle Regime. <i>Physical Review Letters</i> , 1997 , 78, 1251-1254	7.4	495
405	The attosecond nonlinear optics of bright coherent X-ray generation. <i>Nature Photonics</i> , 2010 , 4, 822-832	33.9	399
404	High power ultrafast lasers. <i>Review of Scientific Instruments</i> , 1998 , 69, 1207-1223	1.7	399
403	Short-Pulse Laser Damage in Transparent Materials as a Function of Pulse Duration. <i>Physical Review Letters</i> , 1999 , 82, 3883-3886	7.4	399
402	Generation of 11-fs pulses from a self-mode-locked Ti:sapphire laser. <i>Optics Letters</i> , 1993 , 18, 977-9	3	345
401	Quasi-ballistic thermal transport from nanoscale interfaces observed using ultrafast coherent soft X-ray beams. <i>Nature Materials</i> , 2010 , 9, 26-30	27	325
400	Ultrafast X-ray Pulses from Laser-Produced Plasmas. <i>Science</i> , 1991 , 251, 531-6	33.3	325
399	Generation of bright phase-matched circularly-polarized extreme ultraviolet high harmonics. <i>Nature Photonics</i> , 2015 , 9, 99-105	33.9	300
398	Time-resolved X-Ray diffraction from coherent phonons during a laser-induced phase transition. <i>Physical Review Letters</i> , 2000 , 84, 111-4	7.4	293
397	Generation of Spatially Coherent Light at Extreme Ultraviolet Wavelengths. <i>Science</i> , 2002 , 297, 376-378	33.3	291
396	Coherent soft x-ray generation in the water window with quasi-phase matching. <i>Science</i> , 2003 , 302, 95-83	33.3	286
395	Enhanced high-harmonic generation using 25 fs laser pulses. <i>Physical Review Letters</i> , 1996 , 76, 752-755	7.4	278
394	Phase Matching of High-Order Harmonics in Hollow Waveguides. <i>Physical Review Letters</i> , 1999 , 83, 2187-2190	7.4	272

393	Time-resolved dynamics in N ₂ O ₄ probed using high harmonic generation. <i>Science</i> , 2008 , 322, 1207-11	33.3	269
392	Quasi-phase-matched generation of coherent extreme-ultraviolet light. <i>Nature</i> , 2003 , 421, 51-4	50.4	258
391	90 GW peak power few-cycle mid-infrared pulses from an optical parametric amplifier. <i>Optics Letters</i> , 2011 , 36, 2755-7	3	257
390	Ultrafast magnetization enhancement in metallic multilayers driven by superdiffusive spin current. <i>Nature Communications</i> , 2012 , 3, 1037	17.4	249
389	High density plasmas produced by ultrafast laser pulses. <i>Physical Review Letters</i> , 1989 , 62, 155-158	7.4	247
388	Phase matching of high harmonic generation in the soft and hard X-ray regions of the spectrum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 10516-21	11.5	245
387	Bright, coherent, ultrafast soft X-ray harmonics spanning the water window from a tabletop light source. <i>Physical Review Letters</i> , 2010 , 105, 173901	7.4	238
386	Lensless diffractive imaging using tabletop coherent high-harmonic soft-X-ray beams. <i>Physical Review Letters</i> , 2007 , 99, 098103	7.4	222
385	Pulse compression by use of deformable mirrors. <i>Optics Letters</i> , 1999 , 24, 493-5	3	207
384	Time-domain classification of charge-density-wave insulators. <i>Nature Communications</i> , 2012 , 3, 1069	17.4	195
383	Phase modulation of ultrashort light pulses using molecular rotational wave packets. <i>Physical Review Letters</i> , 2002 , 88, 013903	7.4	195
382	Bright circularly polarized soft X-ray high harmonics for X-ray magnetic circular dichroism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14206-11	11.5	186
381	Probing the timescale of the exchange interaction in a ferromagnetic alloy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4792-7	11.5	186
380	Pulse evolution in a broad-bandwidth Ti:sapphire laser. <i>Optics Letters</i> , 1994 , 19, 1149-51	3	186
379	Controlling the competition between optically induced ultrafast spin-flip scattering and spin transport in magnetic multilayers. <i>Physical Review Letters</i> , 2013 , 110, 197201	7.4	184
378	Quasi-phase-matching and quantum-path control of high-harmonic generation using counterpropagating light. <i>Nature Physics</i> , 2007 , 3, 270-275	16.2	182
377	Phase-coherent optical pulse synthesis from separate femtosecond lasers. <i>Science</i> , 2001 , 293, 1286-9	33.3	176
376	Ultrafast demagnetization dynamics at the M edges of magnetic elements observed using a tabletop high-harmonic soft x-ray source. <i>Physical Review Letters</i> , 2009 , 103, 257402	7.4	172

375	Elliptically polarized high-order harmonic emission from molecules in linearly polarized laser fields. <i>Physical Review Letters</i> , 2009 , 102, 073902	7.4	165
374	Intense 8-fs pulse generation in the deep ultraviolet. <i>Optics Letters</i> , 1999 , 24, 697-9	3	161
373	Soft X-ray-driven femtosecond molecular dynamics. <i>Science</i> , 2007 , 317, 1374-8	33.3	153
372	Direct Observation of Surface Chemistry Using Ultrafast Soft-X-Ray Pulses. <i>Physical Review Letters</i> , 2001 , 87,	7.4	151
371	16-fs, 1-microJ ultraviolet pulses generated by third-harmonic conversion in air. <i>Optics Letters</i> , 1996 , 21, 665-7	3	147
370	Non-collinear generation of angularly isolated circularly polarized high harmonics. <i>Nature Photonics</i> , 2015 , 9, 743-750	33.9	145
369	Temporal phase control of soft-x-ray harmonic emission. <i>Physical Review A</i> , 1998 , 58, R30-R33	2.6	145
368	Roadmap of ultrafast x-ray atomic and molecular physics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018 , 51, 032003	1.3	144
367	Monitoring molecular dynamics using coherent electrons from high harmonic generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 13279-85	11.5	144
366	Laser based angle-resolved photoemission, the sudden approximation, and quasiparticle-like spectral peaks in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . <i>Physical Review Letters</i> , 2006 , 96, 017005	7.4	144
365	Prepulse energy suppression for high-energy ultrashort pulses using self-induced plasma shuttering. <i>Optics Letters</i> , 1991 , 16, 490-2	3	141
364	Probing impulsive strain propagation with X-ray pulses. <i>Physical Review Letters</i> , 2001 , 86, 3072-5	7.4	136
363	Direct visualization of laser-driven electron multiple scattering and tunneling distance in strong-field ionization. <i>Physical Review Letters</i> , 2012 , 109, 073004	7.4	134
362	Laser-assisted photoelectric effect from surfaces. <i>Physical Review Letters</i> , 2006 , 97, 113604	7.4	131
361	Molecular recollision interferometry in high harmonic generation. <i>Physical Review Letters</i> , 2008 , 100, 073902	7.4	130
360	Harnessing attosecond science in the quest for coherent X-rays. <i>Science</i> , 2007 , 317, 775-8	33.3	128
359	A new regime of nanoscale thermal transport: Collective diffusion increases dissipation efficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4846-51	11.5	127
358	High numerical aperture tabletop soft x-ray diffraction microscopy with 70-nm resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 24-7	11.5	127

357	Direct time-domain observation of attosecond final-state lifetimes in photoemission from solids. <i>Science</i> , 2016 , 353, 62-7	33.3	126
356	Three-dimensional structure determination from a single view. <i>Nature</i> , 2010 , 463, 214-7	50.4	124
355	Extended phase matching of high harmonics driven by mid-infrared light. <i>Optics Letters</i> , 2008 , 33, 2128-30	3	124
354	Ultrahigh 22 nm resolution coherent diffractive imaging using a desktop 13 nm high harmonic source. <i>Optics Express</i> , 2011 , 19, 22470-9	3.3	118
353	Efficient coupling of high-intensity subpicosecond laser pulses into solids. <i>Applied Physics Letters</i> , 1993 , 62, 1068-1070	3.4	116
352	Multiterawatt, 100-fs laser. <i>Optics Letters</i> , 1991 , 16, 1406-8	3	115
351	Control of electron localization in deuterium molecular ions using an attosecond pulse train and a many-cycle infrared pulse. <i>Physical Review Letters</i> , 2010 , 104, 023001	7.4	114
350	Ultrabroadband phase-matched optical parametric generation in the ultraviolet by use of guided waves. <i>Optics Letters</i> , 1997 , 22, 1565-7	3	114
349	Ultraviolet surprise: Efficient soft x-ray high-harmonic generation in multiply ionized plasmas. <i>Science</i> , 2015 , 350, 1225-31	33.3	111
348	0.2-TW laser system at 1kHz. <i>Optics Letters</i> , 1997 , 22, 1256-8	3	109
347	Nonadiabatic Effects in High-Harmonic Generation with Ultrashort Pulses. <i>Physical Review Letters</i> , 1996 , 77, 1743-1746	7.4	109
346	Subwavelength coherent imaging of periodic samples using a 13.5 nm tabletop high-harmonic light source. <i>Nature Photonics</i> , 2017 , 11, 259-263	33.9	108
345	Adaptive pulse compression for transform-limited 15-fs high-energy pulse generation. <i>Optics Letters</i> , 2000 , 25, 587-9	3	108
344	Strong-field ionization with two-color circularly polarized laser fields. <i>Physical Review A</i> , 2015 , 91,	2.6	107
343	Zeptosecond high harmonic keV x-ray waveforms driven by midinfrared laser pulses. <i>Physical Review Letters</i> , 2013 , 111, 033002	7.4	100
342	Amplification of 26-fs, 2-TW pulses near the gain-narrowing limit in Ti:sapphire. <i>Optics Letters</i> , 1995 , 20, 64-6	3	100
341	High-order harmonic generation up to 250 eV from highly ionized argon. <i>Physical Review Letters</i> , 2004 , 92, 033001	7.4	97
340	Coherent learning control of vibrational motion in room temperature molecular gases. <i>Chemical Physics Letters</i> , 2001 , 344, 333-338	2.5	97

339	Attosecond vacuum UV coherent control of molecular dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 912-7	11.5	95
338	Probing and controlling non-Born-Oppenheimer dynamics in highly excited molecular ions. <i>Nature Physics</i> , 2012 , 8, 232-237	16.2	94
337	High-efficiency, single-stage 7-kHz high-average-power ultrafast laser system. <i>Optics Letters</i> , 2001 , 26, 465-7	3	94
336	Generation of bright isolated attosecond soft X-ray pulses driven by multicycle midinfrared lasers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2361-7	11.5	92
335	Extreme Nonlinear Optics: Coherent X rays from Lasers. <i>Physics Today</i> , 2005 , 58, 39-46	0.9	92
334	Generation of extreme-ultraviolet beams with time-varying orbital angular momentum. <i>Science</i> , 2019 , 364,	33.3	89
333	Subfemtosecond timing jitter between two independent, actively synchronized, mode-locked lasers. <i>Optics Letters</i> , 2002 , 27, 312-4	3	89
332	Ti:sapphire amplifier producing millijoule-level, 21-fs pulses at 1 kHz. <i>Optics Letters</i> , 1995 , 20, 2000-2	3	89
331	Tabletop nanometer extreme ultraviolet imaging in an extended reflection mode using coherent Fresnel ptychography. <i>Optica</i> , 2014 , 1, 39	8.6	88
330	Near- and Extended-Edge X-Ray-Absorption Fine-Structure Spectroscopy Using Ultrafast Coherent High-Order Harmonic Supercontinua. <i>Physical Review Letters</i> , 2018 , 120, 093002	7.4	86
329	Self-compression of ultrashort pulses through ionization-induced spatiotemporal reshaping. <i>Physical Review Letters</i> , 2004 , 93, 173902	7.4	85
328	Controlling electron-ion rescattering in two-color circularly polarized femtosecond laser fields. <i>Physical Review A</i> , 2016 , 93,	2.6	84
327	17-fs pulses from a self-mode-locked Ti:sapphire laser. <i>Optics Letters</i> , 1992 , 17, 1289-91	3	84
326	Tomographic reconstruction of circularly polarized high-harmonic fields: 3D attosecond metrology. <i>Science Advances</i> , 2016 , 2, e1501333	14.3	84
325	Direct measurement of the angular dependence of the single-photon ionization of aligned N ₂ and CO ₂ . <i>Journal of Physical Chemistry A</i> , 2008 , 112, 9382-6	2.8	81
324	Observing the creation of electronic feshbach resonances in soft x-ray-induced O ₂ dissociation. <i>Science</i> , 2008 , 322, 1081-5	33.3	81
323	Controlling Nonsequential Double Ionization in Two-Color Circularly Polarized Femtosecond Laser Fields. <i>Physical Review Letters</i> , 2016 , 117, 133201	7.4	80
322	Direct measurement of core-level relaxation dynamics on a surface-adsorbate system. <i>Physical Review Letters</i> , 2008 , 101, 046101	7.4	80

3 ²¹	Nonresonant control of multimode molecular wave packets at room temperature. <i>Physical Review Letters</i> , 2002 , 88, 033001	7.4	79
3 ²⁰	Generation of transform-limited 32-fs pulses from a self-mode-locked Ti:sapphire laser. <i>Optics Letters</i> , 1992 , 17, 139-41	3	79
3 ¹⁹	Polarization control of isolated high-harmonic pulses. <i>Nature Photonics</i> , 2018 , 12, 349-354	33.9	78
3 ¹⁸	Helicity-Selective Enhancement and Polarization Control of Attosecond High Harmonic Waveforms Driven by Bichromatic Circularly Polarized Laser Fields. <i>Physical Review Letters</i> , 2017 , 119, 063201	7.4	78
3 ¹⁷	Band structure evolution during the ultrafast ferromagnetic-paramagnetic phase transition in cobalt. <i>Science Advances</i> , 2017 , 3, e1602094	14.3	76
3 ¹⁶	Generation of broadband VUV light using third-order cascaded processes. <i>Physical Review Letters</i> , 2001 , 87, 013601	7.4	76
3 ¹⁵	Measurement of 10-fs laser pulses. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1996 , 2, 575-585	5.8	76
3 ¹⁴	Time- and angle-resolved photoemission spectroscopy with optimized high-harmonic pulses using frequency-doubled Ti:Sapphire lasers. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014 , 195, 231-236	1.7	75
3 ¹³	Fourth-order dispersion-limited solitary pulses. <i>Optics Letters</i> , 1994 , 19, 1465-7	3	74
3 ¹²	Ultrafast Demagnetization Measurements Using Extreme Ultraviolet Light: Comparison of Electronic and Magnetic Contributions. <i>Physical Review X</i> , 2012 , 2,	9.1	71
3 ¹¹	Angle-resolved photoemission spectroscopy with a femtosecond high harmonic light source using a two-dimensional imaging electron analyzer. <i>Review of Scientific Instruments</i> , 2007 , 78, 083105	1.7	71
3 ¹⁰	Laser-assisted photoemission from surfaces. <i>Physical Review A</i> , 2008 , 77,	2.6	70
3 ⁰⁹	Generation of 21-fs millijoule-energy pulses by use of Ti:sapphire. <i>Optics Letters</i> , 1994 , 19, 126	3	70
3 ⁰⁸	Critical behavior within 20 fs drives the out-of-equilibrium laser-induced magnetic phase transition in nickel. <i>Science Advances</i> , 2018 , 4, eaap9744	14.3	69
3 ⁰⁷	Tabletop soft-x-ray Fourier transform holography with 50 nm resolution. <i>Optics Letters</i> , 2009 , 34, 1618-20	20	68
3 ⁰⁶	Attosecond time-scale intra-atomic phase matching of high harmonic generation. <i>Physical Review Letters</i> , 2001 , 86, 5458-61	7.4	68
3 ⁰⁵	X-ray streak camera with 2 ps response. <i>Applied Physics Letters</i> , 1990 , 56, 1948-1950	3.4	68
3 ⁰⁴	IR-assisted ionization of helium by attosecond extreme ultraviolet radiation. <i>New Journal of Physics</i> , 2010 , 12, 013008	2.9	67

303	Demonstration of a sub-picosecond x-ray streak camera. <i>Applied Physics Letters</i> , 1996 , 69, 133-135	3.4	66
302	Observation of a short-wavelength laser pumped by Auger decay. <i>Physical Review Letters</i> , 1986 , 57, 2939-2942	3.4	66
301	Quasi-phase-matching of momentum and energy in nonlinear optical processes. <i>Nature Photonics</i> , 2010 , 4, 570-575	33.9	65
300	Probing thermomechanics at the nanoscale: impulsively excited pseudosurface acoustic waves in hypersonic phononic crystals. <i>Nano Letters</i> , 2011 , 11, 4126-33	11.5	65
299	Quasi-phase matching of high-harmonics and attosecond pulses in modulated waveguides. <i>Optics Express</i> , 2000 , 7, 362-7	3.3	64
298	Visualizing electron rearrangement in space and time during the transition from a molecule to atoms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20219-22	11.5	63
297	Direct diode-pumped Kerr-lens mode-locked Ti:sapphire laser. <i>Optics Express</i> , 2012 , 20, 13677-83	3.3	63
296	Controlling the polarization and vortex charge of attosecond high-harmonic beams via simultaneous spin-orbit momentum conservation. <i>Nature Photonics</i> , 2019 , 13, 123-130	33.9	61
295	Ultrafast extreme ultraviolet holography: dynamic monitoring of surface deformation. <i>Optics Letters</i> , 2007 , 32, 286-8	3	60
294	Characterizing isolated attosecond pulses from hollow-core waveguides using multi-cycle driving pulses. <i>Optics Express</i> , 2009 , 17, 4611-33	3.3	59
293	Simplified setup for high-resolution spectroscopy that uses ultrashort pulses. <i>Optics Letters</i> , 2003 , 28, 361-3	3	58
292	Sub-10-femtosecond active synchronization of two passively mode-locked Ti:sapphire oscillators. <i>Physical Review A</i> , 2001 , 64,	2.6	57
291	Ultrafast x-ray diffraction using a streak-camera detector in averaging mode. <i>Optics Letters</i> , 1997 , 22, 1012-4	3	56
290	Photoionization-pumped x-ray lasers using ultrashort-pulse excitation. <i>Applied Optics</i> , 1992 , 31, 4931-9	1.7	55
289	Generation and propagation of attosecond x-ray pulses in gaseous media. <i>Physical Review A</i> , 1998 , 57, R2285-R2288	2.6	53
288	Ultrashort X-ray pulses. <i>Applied Physics B: Lasers and Optics</i> , 1994 , 58, 261-266	1.9	53
287	Schemes for generation of isolated attosecond pulses of pure circular polarization. <i>Physical Review A</i> , 2016 , 93,	2.6	52
286	Experimental setup for low-energy laser-based angle resolved photoemission spectroscopy. <i>Review of Scientific Instruments</i> , 2007 , 78, 053905	1.7	52

285	Recent advances in ultrafast X-ray sources. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180384	3	51
284	Controlling the XUV transparency of helium using two-pathway quantum interference. <i>Physical Review Letters</i> , 2011 , 106, 193008	7.4	51
283	Extracting the phase of high-order harmonic emission from a molecule using transient alignment in mixed samples. <i>Physical Review A</i> , 2007 , 76,	2.6	50
282	Ultrafast optically induced spin transfer in ferromagnetic alloys. <i>Science Advances</i> , 2020 , 6, eaay8717	14.3	49
281	High-order harmonic generation from ions in a capillary discharge. <i>Physical Review Letters</i> , 2006 , 96, 203901	7.4	49
280	Impulsive stimulated Raman scattering of molecular vibrations using nonlinear pulse shaping. <i>Chemical Physics Letters</i> , 2003 , 374, 326-333	2.5	49
279	Stoner versus Heisenberg: Ultrafast exchange reduction and magnon generation during laser-induced demagnetization. <i>Physical Review B</i> , 2016 , 94,	3.3	49
278	High-frequency surface acoustic wave propagation in nanostructures characterized by coherent extreme ultraviolet beams. <i>Applied Physics Letters</i> , 2009 , 94, 093103	3.4	48
277	Learning from learning algorithms: Application to attosecond dynamics of high-harmonic generation. <i>Physical Review A</i> , 2004 , 70,	2.6	48
276	Distinguishing attosecond electron-electron scattering and screening in transition metals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E5300-E5307	11.5	47
275	High contrast 3D imaging of surfaces near the wavelength limit using tabletop EUV ptychography. <i>Ultramicroscopy</i> , 2015 , 158, 98-104	3.1	45
274	Ultrashort optical waveform measurements using frequency-resolved optical gating. <i>Optics Letters</i> , 1995 , 20, 743-5	3	45
273	Grating-assisted phase matching in extreme nonlinear optics. <i>Physical Review Letters</i> , 2007 , 99, 053902	7.4	43
272	Attosecond time-scale feedback control of coherent X-ray generation. <i>Chemical Physics</i> , 2001 , 267, 277-289	3.3	43
271	High flux coherent super-continuum soft X-ray source driven by a single-stage, 10mJ, Ti:sapphire amplifier-pumped OPA. <i>Optics Express</i> , 2014 , 22, 6194-202	3.3	42
270	Efficient reflection gratings for pulse compression and dispersion compensation of femtosecond pulses. <i>Optics Letters</i> , 2006 , 31, 3363-5	3	42
269	High numerical aperture reflection mode coherent diffraction microscopy using off-axis apertured illumination. <i>Optics Express</i> , 2012 , 20, 19050-9	3.3	41
268	Space-time focusing of femtosecond pulses in a Ti:sapphire laser. <i>Optics Letters</i> , 1995 , 20, 309-11	3	41

267	Sub-10-fs operation of Kerr-lens mode-locked lasers. <i>Optics Letters</i> , 1996 , 21, 1493-5	3	41
266	Generation and control of ultrashort-wavelength two-dimensional surface acoustic waves at nanoscale interfaces. <i>Physical Review B</i> , 2012 , 85,	3.3	37
265	Photoelectron spectroscopy of CdSe nanocrystals in the gas phase: a direct measure of the evanescent electron wave function of quantum dots. <i>Nano Letters</i> , 2013 , 13, 2924-30	11.5	37
264	Design and implementation of a TW-class high-average power laser system. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1998 , 4, 395-406	3.8	37
263	Hot-electron-driven charge transfer processes on O ₂ /Pt(111) surface probed by ultrafast extreme-ultraviolet pulses. <i>Physical Review B</i> , 2002 , 66,	3.3	37
262	Highly coherent light at 13 nm generated by use of quasi-phase-matched high-harmonic generation. <i>Optics Letters</i> , 2004 , 29, 1357-9	3	36
261	Helicity-selective phase-matching and quasi-phase matching of circularly polarized high-order harmonics: towards chiral attosecond pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016 , 49, 123501	1.3	35
260	Spatially coherent, phase matched, high-order harmonic EUV beams at 50 kHz. <i>Optics Express</i> , 2009 , 17, 17376-83	3.3	34
259	Generation of efficient ultrafast laser-plasma x-ray sources. <i>Physics of Fluids B</i> , 1991 , 3, 2409-2413		34
258	Auger-pumped short-wavelength lasers in xenon and krypton. <i>Physical Review A</i> , 1988 , 37, 2033-2038	2.6	34
257	Self-amplified photo-induced gap quenching in a correlated electron material. <i>Nature Communications</i> , 2016 , 7, 12902	17.4	33
256	Enhanced high harmonic generation from multiply ionized argon above 500 eV through laser pulse self-compression. <i>Physical Review Letters</i> , 2009 , 103, 143901	7.4	33
255	11-W average power Ti:sapphire amplifier system using downchirped pulse amplification. <i>Optics Letters</i> , 2004 , 29, 2665-7	3	33
254	Prepulse suppression for high-energy ultrashort pulses using self-induced plasma shuttering from a fluid target. <i>Optics Letters</i> , 1993 , 18, 134-6	3	33
253	Observation and control of shock waves in individual nanoplasmas. <i>Physical Review Letters</i> , 2014 , 112, 115004	7.4	32
252	Ultrafast element-specific magnetization dynamics of complex magnetic materials on a table-top. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013 , 189, 164-170	1.7	32
251	Extracting continuum electron dynamics from high harmonic emission from molecules. <i>Physical Review Letters</i> , 2012 , 108, 133901	7.4	32
250	Two-center interferences in photoionization of a dissociating H ₂ ⁺ molecule. <i>Physical Review A</i> , 2011 , 83,	2.6	32

249	Quasi-phase matching and characterization of high-order harmonic generation in hollow waveguides using counterpropagating light. <i>Optics Express</i> , 2008 , 16, 6544-66	3.3	32
248	High-harmonic generation in periodically poled waveguides. <i>Optica</i> , 2017 , 4, 1538	8.6	31
247	Generation of sub-optical-cycle, carrier-envelope-phase-insensitive, extreme-uv pulses via nonlinear stabilization in a waveguide. <i>Physical Review A</i> , 2006 , 74,	2.6	31
246	The internal conversions of trans- and cis-1,3,5-hexatriene in cyclohexane solution studied with sub-50 fs UV pulses. <i>Chemical Physics Letters</i> , 2000 , 323, 365-371	2.5	31
245	Full field tabletop EUV coherent diffractive imaging in a transmission geometry. <i>Optics Express</i> , 2013 , 21, 21970-80	3.3	30
244	Long-term carrier-envelope phase stability from a grating-based, chirped pulse amplifier. <i>Optics Letters</i> , 2006 , 31, 1866-8	3	30
243	. <i>IEEE Journal of Quantum Electronics</i> , 1989 , 25, 2417-2422	2	30
242	Revealing the Nature of the Ultrafast Magnetic Phase Transition in Ni by Correlating Extreme Ultraviolet Magneto-Optic and Photoemission Spectroscopies. <i>Physical Review Letters</i> , 2018 , 121, 077204	7.4	29
241	Time-resolved momentum imaging system for molecular dynamics studies using a tabletop ultrafast extreme-ultraviolet light source. <i>Review of Scientific Instruments</i> , 2008 , 79, 063102	1.7	29
240	Transient grating measurement of surface acoustic waves in thin metal films with extreme ultraviolet radiation. <i>Applied Physics Letters</i> , 2006 , 89, 091108	3.4	29
239	Nanoscale transient gratings excited and probed by extreme ultraviolet femtosecond pulses. <i>Science Advances</i> , 2019 , 5, eaaw5805	14.3	28
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