

Henry Kapteyn

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1622489/henry-kapteyn-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Creation of a novel inverted charge density wave state.. <i>Structural Dynamics</i> , 2022 , 9, 014501	3.2	0
409	Spatially homogeneous few-cycle compression of Yb lasers via all-solid-state free-space soliton management.. <i>Optics Express</i> , 2022 , 30, 2918-2932	3.3	2
408	Necklace-structured high-harmonic generation for low-divergence, soft x-ray harmonic combs with tunable line spacing.. <i>Science Advances</i> , 2022 , 8, eabj7380	14.3	3
407	Bright, single helicity, high harmonics driven by mid-infrared bicircular laser fields. <i>Optics Express</i> , 2021 , 29, 38119-38128	3.3	1
406	Influence of surface and interface roughness on X-ray and extreme ultraviolet reflectance: A comparative numerical study. <i>OSA Continuum</i> , 2021 , 4, 1497	1.4	1
405	Second-harmonic generation and the conservation of spatiotemporal orbital angular momentum of light. <i>Nature Photonics</i> , 2021 , 15, 608-613	33.9	17
404	A General and Predictive Understanding of Thermal Transport from 1D- and 2D-Confined Nanostructures: Theory and Experiment. <i>ACS Nano</i> , 2021 , 15, 13019-13030	16.7	5
403	Detection of the keto-enol tautomerization in acetaldehyde, acetone, cyclohexanone, and methyl vinyl ketone with a novel VUV light source. <i>Proceedings of the Combustion Institute</i> , 2021 , 38, 1737-1744	5.9	4
402	Nondestructive, high-resolution, chemically specific 3D nanostructure characterization using phase-sensitive EUV imaging reflectometry. <i>Science Advances</i> , 2021 , 7,	14.3	12
401	Coherent Fourier scatterometry using orbital angular momentum beams for defect detection. <i>Optics Express</i> , 2021 , 29, 3342-3358	3.3	12
400	Measurement and control of optical nonlinearities in dispersive dielectric multilayers. <i>Optics Express</i> , 2021 , 29, 4947-4957	3.3	1
399	The 2021 ultrafast spectroscopic probes of condensed matter roadmap. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	8
398	Nonequilibrium dissociative dynamics of D2 in two-color, few-photon excitation and ionization. <i>Physical Review Research</i> , 2021 , 3,	3.9	1
397	Directional thermal channeling: A phenomenon triggered by tight packing of heat sources. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
396	Coherent modulation of the electron temperature and electron-phonon couplings in a 2D material. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 8788-8793	11.5	16
395	Attosecond light science and its application for probing quantum materials. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020 , 53, 184008	1.3	7
394	Ultrafast optically induced spin transfer in ferromagnetic alloys. <i>Science Advances</i> , 2020 , 6, eaay8717	14.3	49

393	Direct light-induced spin transfer between different elements in a spintronic Heusler material via femtosecond laser excitation. <i>Science Advances</i> , 2020 , 6, eaaz1100	14.3	22
392	Nondestructive Measurements of the Mechanical and Structural Properties of Nanostructured Metalattices. <i>Nano Letters</i> , 2020 , 20, 3306-3312	11.5	7
391	Full characterization of ultrathin 5-nm low-k dielectric bilayers: Influence of dopants and surfaces on the mechanical properties. <i>Physical Review Materials</i> , 2020 , 4,	3.2	6
390	Ultrafast 1 MHz vacuum-ultraviolet source via highly cascaded harmonic generation in negative-curvature hollow-core fibers. <i>Optica</i> , 2020 , 7, 832	8.6	16
389	High-Flux MHz Vacuum Ultraviolet Light Source. <i>Optics and Photonics News</i> , 2020 , 31, 34	1.9	
388	Nanoscale transient gratings excited and probed by extreme ultraviolet femtosecond pulses. <i>Science Advances</i> , 2019 , 5, eaaw5805	14.3	28
387	The nature of the ultrafast magnetic phase transition in nickel revealed by correlating EUV-MOKE and ARPES spectroscopies. <i>EPJ Web of Conferences</i> , 2019 , 205, 04002	0.3	
386	Ultrafast dynamic imaging of thermal and acoustic dynamics in nanosystems using a tabletop high harmonic source. <i>EPJ Web of Conferences</i> , 2019 , 205, 04005	0.3	
385	Ultra-low thermal conductivity and acoustic dynamics of Si nanostructured metalattices probed using ultrafast high harmonic beams. <i>EPJ Web of Conferences</i> , 2019 , 205, 04006	0.3	
384	Multimodal x-ray and electron microscopy of the Allende meteorite. <i>Science Advances</i> , 2019 , 5, eaax3009	14.3	10
383	Conservation of Torus-knot Angular Momentum in High-order Harmonic Generation. <i>Physical Review Letters</i> , 2019 , 122, 203201	7.4	22
382	Ultrafast electron calorimetry uncovers a new long-lived metastable state in 1-TaSe mediated by mode-selective electron-phonon coupling. <i>Science Advances</i> , 2019 , 5, eaav4449	14.3	26
381	Recent advances in ultrafast X-ray sources. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180384	3	51
380	SQUARREL: Scattering Quotient Analysis to Retrieve the Ratio of Elements in X-ray Ptychography. <i>Microscopy and Microanalysis</i> , 2019 , 25, 112-113	0.5	2
379	Generation of extreme-ultraviolet beams with time-varying orbital angular momentum. <i>Science</i> , 2019 , 364,	33.3	89
378	Full-Field Stroboscopic Imaging of Acoustic and Thermal Dynamics in Isolated Nanostructures Using Tabletop EUV Coherent Imaging. <i>Microscopy and Microanalysis</i> , 2019 , 25, 42-43	0.5	
377	Probing thermal and acoustic dynamics of inverse silicon metallattices. <i>Microscopy and Microanalysis</i> , 2019 , 25, 2174-2175	0.5	
376	Ptychographic Complex Imaging Reflectometry for Spatially-Resolved Dopant Profiling Using a Tabletop EUV Source. <i>Microscopy and Microanalysis</i> , 2019 , 25, 116-117	0.5	

375	1 MHz Ultrafast High Order Cascaded VUV Generation in Negative Curvature Hollow Fibers 2019 ,		1
374	Engineering Nanoscale Thermal Transport: Size- and Spacing-Dependent Cooling of Nanostructures. <i>Physical Review Applied</i> , 2019 , 11,	4.3	17
373	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
372	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
371	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
370	Polarization control of isolated high-harmonic pulses. <i>Nature Photonics</i> , 2018 , 12, 349-354	33.9	78
369	Direct measurement of the static and transient magneto-optical permittivity of cobalt across the entire M-edge in reflection geometry by use of polarization scanning. <i>Physical Review B</i> , 2018 , 97,	3.3	8
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	Multiple beam ptychography for large field-of-view, high throughput, quantitative phase contrast imaging. <i>Ultramicroscopy</i> , 2018 , 184, 164-171	3.1	9
366	High harmonics with spatially varying ellipticity. <i>Optica</i> , 2018 , 5, 479	8.6	24
365	Colloidal crystal order and structure revealed by tabletop extreme ultraviolet scattering and coherent diffractive imaging. <i>Optics Express</i> , 2018 , 26, 11393-11406	3.3	5
364	1 MHz Ultrafast Cascaded VUV Generation in Negative Curvature Hollow Fibers 2018 ,		1
363	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
362	Ionization-assisted spatiotemporal localization in gas-filled capillaries. <i>Optics Letters</i> , 2018 , 43, 3112-3115	1.5	7
361	High harmonic interferometry of the Lorentz force in strong mid-infrared laser fields. <i>New Journal of Physics</i> , 2018 , 20, 053036	2.9	8
360	Ptychographic amplitude and phase reconstruction of bichromatic vortex beams. <i>Optics Express</i> , 2018 , 26, 34007-34015	3.3	12
359	Controlling the polarization and vortex charge of attosecond high-harmonic beams via simultaneous spin-orbit momentum conservation. <i>Nature Photonics</i> , 2018 , 13,	33.9	6
358	Revealing the role of electron-electron correlations by mapping dissociation of highly excited D2+ using ultrashort XUV pulses. <i>Physical Review A</i> , 2018 , 97,	2.6	4

357	Induced versus intrinsic magnetic moments in ultrafast magnetization dynamics. <i>Physical Review B</i> , 2018 , 98,	3.3	19
356	Generation of coherent phonons by coherent extreme ultraviolet radiation in a transient grating experiment. <i>Applied Physics Letters</i> , 2018 , 113, 221905	3.4	13
355	Full-field imaging of thermal and acoustic dynamics in an individual nanostructure using tabletop high harmonic beams. <i>Science Advances</i> , 2018 , 4, eaau4295	14.3	15
354	Single-shot 3D coherent diffractive imaging of core-shell nanoparticles with elemental specificity. <i>Scientific Reports</i> , 2018 , 8, 8284	4.9	7
353	Picosecond ionization dynamics in femtosecond filaments at high pressures. <i>Physical Review A</i> , 2017 , 95,	2.6	13
352	Full Characterization of the Mechanical Properties of 11-50 nm Ultrathin Films: Influence of Network Connectivity on the Poisson's Ratio. <i>Nano Letters</i> , 2017 , 17, 2178-2183	11.5	23
351	Band structure evolution during the ultrafast ferromagnetic-paramagnetic phase transition in cobalt. <i>Science Advances</i> , 2017 , 3, e1602094	14.3	76
350	Uncovering Highly-Excited State Mixing in Acetone Using Ultrafast VUV Pulses and Coincidence Imaging Techniques. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 2361-2366	2.8	8
349	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
348	Wide Field-of-View Reflection-Mode Ptychographic Imaging Microscope with Tabletop 12.7 nm High Harmonic Illumination. <i>Microscopy and Microanalysis</i> , 2017 , 23, 36-37	0.5	
347	Observation of ionization enhancement in two-color circularly polarized laser fields. <i>Physical Review A</i> , 2017 , 96,	2.6	26
346	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
345	Ultrafast 25-fs relaxation in highly excited states of methyl azide mediated by strong nonadiabatic coupling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E11072-E11081	11.5	12
344	Tabletop Femtosecond VUV Photoionization and PEPICO Detection of Microreactor Pyrolysis Products. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 5280-5289	2.8	4
343	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
342	Direct diode pumped Ti:sapphire ultrafast regenerative amplifier system. <i>Optics Express</i> , 2017 , 25, 3666-3674	3.6	22
341	Phase matching of noncollinear sum and difference frequency high harmonic generation above and below the critical ionization level. <i>Optics Express</i> , 2017 , 25, 10126-10144	3.3	9
340	Isolated broadband attosecond pulse generation with near- and mid-infrared driver pulses via time-gated phase matching. <i>Optics Express</i> , 2017 , 25, 11855-11866	3.3	15

339	Direct diode-pumped Kerr Lens 13 fs Ti:sapphire ultrafast oscillator using a single blue laser diode. <i>Optics Express</i> , 2017 , 25, 12469-12477	3.3	20
338	Electronic initiation and optimization of nonlinear polarization evolution mode-locking in a fiber laser. <i>Optics Express</i> , 2017 , 25, 33216	3.3	19
337	High-harmonic generation in periodically poled waveguides. <i>Optica</i> , 2017 , 4, 1538	8.6	31
336	General-purpose, wide field-of-view reflection imaging with a tabletop 13 nm light source. <i>Optica</i> , 2017 , 4, 1552	8.6	19
335	Influence of microscopic and macroscopic effects on attosecond pulse generation using two-color laser fields. <i>Optics Express</i> , 2017 , 25, 28684	3.3	3
334	Quantitative Chemically Specific Coherent Diffractive Imaging of Reactions at Buried Interfaces with Few Nanometer Precision. <i>Nano Letters</i> , 2016 , 16, 5444-50	11.5	22
333	Lorentz drift compensation in high harmonic generation in the soft and hard X-ray regions of the spectrum. <i>Optics Express</i> , 2016 , 24, 21818-32	3.3	7
332	Controlling Nonsequential Double Ionization in Two-Color Circularly Polarized Femtosecond Laser Fields. <i>Physical Review Letters</i> , 2016 , 117, 133201	7.4	80
331	Schemes for generation of isolated attosecond pulses of pure circular polarization. <i>Physical Review A</i> , 2016 , 93,	2.6	52
330	Controlling electron-ion rescattering in two-color circularly polarized femtosecond laser fields. <i>Physical Review A</i> , 2016 , 93,	2.6	84
329	Self-amplified photo-induced gap quenching in a correlated electron material. <i>Nature Communications</i> , 2016 , 7, 12902	17.4	33
328	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
327	Direct time-domain observation of attosecond final-state lifetimes in photoemission from solids. <i>Science</i> , 2016 , 353, 62-7	33.3	126
326	Nondestructive Measurement of the Evolution of Layer-Specific Mechanical Properties in Sub-10 nm Bilayer Films. <i>Nano Letters</i> , 2016 , 16, 4773-8	11.5	21
325	Materials Properties and Solvated Electron Dynamics of Isolated Nanoparticles and Nanodroplets Probed with Ultrafast Extreme Ultraviolet Beams. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 609-15	6.4	21
324	Keyhole Reflection-Mode Coherent Diffractive Imaging of Nano-Patterned Surfaces Using a Tabletop EUV Source. <i>Springer Proceedings in Physics</i> , 2016 , 253-257	0.2	
323	Isolated, Circularly Polarized, Attosecond Pulse Generation 2016 ,		2
322	Practical Tabletop X-ray Lasers Implemented Using High Harmonic Generation 2016 ,		1

321	Generation of Bright Circularly-Polarized High Harmonics for Magneto-Optical Investigations. <i>Springer Proceedings in Physics</i> , 2016 , 187-192	0.2	
320	Reflection Mode Imaging with Extreme-Ultraviolet Light from a High Harmonic Source. <i>Springer Proceedings in Physics</i> , 2016 , 219-223	0.2	
319	Ptychographic hyperspectral spectromicroscopy with an extreme ultraviolet high harmonic comb. <i>Optics Express</i> , 2016 , 24, 18745-54	3.3	24
318	Coherent Ptychographic Imaging Microscope With 17.5nm Spatial Resolution Employing 13.5nm High Harmonic Light. <i>Microscopy and Microanalysis</i> , 2016 , 22, 88-89	0.5	
317	Chemically Specific Buried Interface Imaging with a Coherent EUV Nanoscope. <i>Microscopy and Microanalysis</i> , 2016 , 22, 130-131	0.5	
316	Group velocity matching in high-order harmonic generation driven by mid-infrared lasers. <i>New Journal of Physics</i> , 2016 , 18, 073031	2.9	18
315	Tomographic reconstruction of circularly polarized high-harmonic fields: 3D attosecond metrology. <i>Science Advances</i> , 2016 , 2, e1501333	14.3	84
314	Stoner versus Heisenberg: Ultrafast exchange reduction and magnon generation during laser-induced demagnetization. <i>Physical Review B</i> , 2016 , 94,	3.3	49
313	Coherent x-rays driven by ultrashort-pulse lasers: generation, application, and prospects 2016 ,		2
312	Femtosecond-laser-induced modifications in Co/Pt multilayers studied with tabletop resonant magnetic scattering. <i>Europhysics Letters</i> , 2015 , 109, 17001	1.6	3
311	High contrast 3D imaging of surfaces near the wavelength limit using tabletop EUV ptychography. <i>Ultramicroscopy</i> , 2015 , 158, 98-104	3.1	45
310	Solvents effects on charge transfer from quantum dots. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3759-62	16.4	26
309	Strong-field ionization with two-color circularly polarized laser fields. <i>Physical Review A</i> , 2015 , 91,	2.6	107
308	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
307	Non-collinear generation of angularly isolated circularly polarized high harmonics. <i>Nature Photonics</i> , 2015 , 9, 743-750	33.9	145
306	Bright Circularly Polarized Soft X-Ray High Harmonics for X-Ray Magnetic Circular Dichroism 2015 ,		3
305	Generation of bright phase-matched circularly-polarized extreme ultraviolet high harmonics. <i>Nature Photonics</i> , 2015 , 9, 99-105	33.9	300
304	Impulsively Excited Surface Phononic Crystals: A Route Toward Novel Sensing Schemes. <i>IEEE Sensors Journal</i> , 2015 , 15, 5142-5150	4	21

303	Spatial, spectral, and polarization multiplexed ptychography. <i>Optics Express</i> , 2015 , 23, 30250-8	3.3	14
302	Controlling the electronic structure of graphene using surface-adsorbate interactions. <i>Physical Review B</i> , 2015 , 92,	3.3	6
301	Attosecond Coherent Control of Single and Double Photoionization in Argon. <i>Physical Review Letters</i> , 2015 , 115, 173004	7.4	10
300	Mapping ultrafast dynamics of highly excited D2+ by ultrashort XUV pump - IR probe radiation. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 112080	0.3	
299	Bright Isolated Attosecond Soft X-Ray Pulses. <i>Springer Proceedings in Physics</i> , 2015 , 95-98	0.2	1
298	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
297	Ultraviolet surprise: Efficient soft x-ray high-harmonic generation in multiply ionized plasmas. <i>Science</i> , 2015 , 350, 1225-31	33.3	111
296	Reflection Mode Tabletop Coherent Diffraction Imaging of Buried Nanostructures 2015 ,		1
295	Ultrafast, Element-Specific Magnetization Dynamics of Multi-constituent Magnetic Materials by Use of High-Harmonic Generation. <i>Springer Proceedings in Physics</i> , 2015 , 300-302	0.2	1
294	X-Ray Magnetic Circular Dichroism Probed Using High Harmonics. <i>Springer Proceedings in Physics</i> , 2015 , 60-63	0.2	1
293	A New Regime of Nanoscale Thermal Transport: Collective Diffusion Counteracts Dissipation Inefficiency. <i>Springer Proceedings in Physics</i> , 2015 , 341-344	0.2	2
292	Element Selective Investigation of Spin Dynamics in Magnetic Multilayers. <i>Springer Proceedings in Physics</i> , 2015 , 307-309	0.2	
291	Single Nanoparticles and Nanoplasmas in Femtosecond Laser Fields. <i>Springer Proceedings in Physics</i> , 2015 , 702-706	0.2	
290	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
289	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
288	Mapping nanoscale absorption of femtosecond laser pulses using plasma explosion imaging. <i>ACS Nano</i> , 2014 , 8, 8810-8	16.7	26
287	Observation and control of shock waves in individual nanoplasmas. <i>Physical Review Letters</i> , 2014 , 112, 115004	7.4	32
286	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

285	High Repetition Rate, mJ-Level, mid-IR OPCPA System 2014 ,		1
284	Quantitative tabletop coherent diffraction imaging microscope for EUV lithography mask inspection 2014 ,		3
283	Mechanisms on the Photoelectron Angular Distributions of Atoms Ionized in Mid-Infrared Laser Fields. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 032040	0.3	
282	Impulsively excited Surface Phononic Crystals: A route towards novel sensing schemes 2014 ,		1
281	Tabletop nanometer extreme ultraviolet imaging in an extended reflection mode using coherent Fresnel ptychography. <i>Optica</i> , 2014 , 1, 39	8.6	88
280	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
279	Zeptosecond high harmonic keV x-ray waveforms driven by midinfrared laser pulses. <i>Physical Review Letters</i> , 2013 , 111, 033002	7.4	100
278	Tracking the relaxation pathway of photo-excited electrons in 1T-TiSe ₂ . <i>European Physical Journal: Special Topics</i> , 2013 , 222, 997-1004	2.3	6
277	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
276	Ultrafast Material Science Probed Using Coherent X-ray Pulses from High-Harmonic Generation 2013 , 149-175		2
275	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
274	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
273	Imaging by integrating stitched spectrograms. <i>Optics Express</i> , 2013 , 21, 6783-93	3.3	2
272	Full field tabletop EUV coherent diffractive imaging in a transmission geometry. <i>Optics Express</i> , 2013 , 21, 21970-80	3.3	30
271	Probing limits of acoustic nanometrology using coherent extreme ultraviolet light 2013 ,		7
270	Ultrahigh-Efficiency High Harmonic Generation Driven by UV Lasers 2013 ,		3
269	Publisher's Note: Reply to Comment on Ultrafast Demagnetization Measurements Using Extreme Ultraviolet Light: Comparison of Electronic and Magnetic Contributions [Phys. Rev. X 3, 038002 (2013)PRXHAE2160-3308]. <i>Physical Review X</i> , 2013 , 3,	9.1	3
268	Enhanced multiple-scattering and intra-half-cycle interferences in the photoelectron angular distributions of atoms ionized in midinfrared laser fields. <i>Physical Review A</i> , 2013 , 88,	2.6	14

267	Coherent diffractive imaging microscope with a tabletop high harmonic EUV source 2013 ,		4
266	Time-domain evidence for an excitonic insulator. <i>EPJ Web of Conferences</i> , 2013 , 41, 03022	0.3	2
265	Time-domain classification of charge-density-wave insulators. <i>Nature Communications</i> , 2012 , 3, 1069	17.4	195
264	Multi-microjoule, MHz repetition rate Ti:sapphire ultrafast regenerative amplifier system. <i>Optics Express</i> , 2012 , 20, 7015-21	3.3	17
263	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
262	Ultrafast magnetization enhancement in metallic multilayers driven by superdiffusive spin current. <i>Nature Communications</i> , 2012 , 3, 1037	17.4	249
261	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
260	Probing and controlling non-BornOppenheimer dynamics in highly excited molecular ions. <i>Nature Physics</i> , 2012 , 8, 232-237	16.2	94
259	Generation and control of ultrashort-wavelength two-dimensional surface acoustic waves at nanoscale interfaces. <i>Physical Review B</i> , 2012 , 85,	3.3	37
258	Extracting continuum electron dynamics from high harmonic emission from molecules. <i>Physical Review Letters</i> , 2012 , 108, 133901	7.4	32
257	Characterization of ultrathin films by laser-induced sub-picosecond photoacoustics with coherent extreme ultraviolet detection 2012 ,		2
256	Direct diode-pumped Kerr-lens mode-locked Ti:sapphire laser. <i>Optics Express</i> , 2012 , 20, 13677-83	3.3	63
255	A generalization for optimized phase retrieval algorithms. <i>Optics Express</i> , 2012 , 20, 24778-90	3.3	11
254	High numerical aperture reflection mode coherent diffraction microscopy using off-axis apertured illumination. <i>Optics Express</i> , 2012 , 20, 19050-9	3.3	41
253	Ultrafast Demagnetization Measurements Using Extreme Ultraviolet Light: Comparison of Electronic and Magnetic Contributions. <i>Physical Review X</i> , 2012 , 2,	9.1	71
252	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
251	Near-threshold H ₂ electron and nuclear dynamics induced by attosecond pulse trains and probed by IR pulses. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 032064	0.3	
250	Fully Spatially Coherent High Harmonic Beams in the keV Region of the Spectrum 2012 ,		1

249	Ultrahigh 22-nm resolution EUV coherent diffraction imaging using a tabletop 13-nm high harmonic source 2012 ,		1
248	Controlling the XUV transparency using two pathway quantum interference. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 032072	0.3	
247	Extended Phase-Matching of High Harmonics Driven by Focusing Light in Planar Waveguide 2012 ,		1
246	Two-center interferences in photoionization of a dissociating H ₂ ⁺ molecule. <i>Physical Review A</i> , 2011 , 83,	2.6	32
245	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
244	90 GW peak power few-cycle mid-infrared pulses from an optical parametric amplifier. <i>Optics Letters</i> , 2011 , 36, 2755-7	3	257
243	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
242	Manipulating nonlinear optical processes with accelerating light beams. <i>Physical Review A</i> , 2011 , 84,	2.6	16
241	Theory and experiment on laser-enabled inner-valence Auger decay of rare-gas atoms. <i>Physical Review A</i> , 2011 , 84,	2.6	9
240	Controlling the XUV transparency of helium using two-pathway quantum interference. <i>Physical Review Letters</i> , 2011 , 106, 193008	7.4	51
239	Laser-enabled Auger decay in rare-gas atoms. <i>Physical Review Letters</i> , 2011 , 106, 053002	7.4	21
238	Three-dimensional structure determination from a single view. <i>Nature</i> , 2010 , 463, 214-7	50.4	124
237	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
236	Quasi-phase-matching of momentum and energy in nonlinear optical processes. <i>Nature Photonics</i> , 2010 , 4, 570-575	33.9	65
235	The attosecond nonlinear optics of bright coherent X-ray generation. <i>Nature Photonics</i> , 2010 , 4, 822-832	33.9	399
234	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
233	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
232	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

231	IR-assisted ionization of helium by attosecond extreme ultraviolet radiation. <i>New Journal of Physics</i> , 2010 , 12, 013008	2.9	67
230	Sawtooth grating-assisted phase-matching. <i>Optics Express</i> , 2010 , 18, 22686-92	3.3	12
229	Time-Resolved Photoelectron Spectroscopy at Surfaces Using Femtosecond XUV Pulses 2010 , 499-535		6
228	Sawtooth grating-assisted phase-matching. <i>Optics Express</i> , 2010 , 18, 21583	3.3	
227	Elliptically polarized high-order harmonic emission from molecules in linearly polarized laser fields. <i>Physical Review Letters</i> , 2009 , 102, 073902	7.4	165
226	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
225	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
224	Ultrafast studies of electronic processes at surfaces using the laser-assisted photoelectric effect with long-wavelength dressing light. <i>Physical Review A</i> , 2009 , 79,	2.6	16
223	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
222	Time and angle resolved photoemission spectroscopy using femtosecond visible and high-harmonic light. <i>Journal of Physics: Conference Series</i> , 2009 , 148, 012042	0.3	8
221	Measuring the intensity and phase of high-order harmonic emission from aligned molecules. <i>Chemical Physics</i> , 2009 , 366, 22-32	2.3	22
220	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
219	Tabletop soft-x-ray Fourier transform holography with 50 nm resolution. <i>Optics Letters</i> , 2009 , 34, 1618-20		68
218	Characterizing isolated attosecond pulses from hollow-core waveguides using multi-cycle driving pulses. <i>Optics Express</i> , 2009 , 17, 4611-33	3.3	59
217	Spatially coherent, phase matched, high-order harmonic EUV beams at 50 kHz. <i>Optics Express</i> , 2009 , 17, 17376-83	3.3	34
216	Autoionization dynamics and Feshbach resonances: Femtosecond EUV study of O ₂ excitation and dissociation. <i>Journal of Physics: Conference Series</i> , 2009 , 194, 012014	0.3	
215	Near diffraction limited coherent diffractive imaging with tabletop soft x-ray sources. <i>Journal of Physics: Conference Series</i> , 2009 , 186, 012058	0.3	
214	IR-assisted ionization of He by attosecond XUV radiation. <i>Journal of Physics: Conference Series</i> , 2009 , 194, 032036	0.3	

213	Electronic feshbach resonances created in soft x-ray-induced O ₂ dissociation. <i>Journal of Physics: Conference Series</i> , 2009 , 194, 022071	0.3	
212	All-Optical Quasi-Phase Matching and Quantum Path Selection of High-Order Harmonic Generation at 140 eV Using Counterpropagating Light. <i>Springer Series in Chemical Physics</i> , 2009 , 36-38	0.3	
211	Phase Matching and Quasi-Phase Matching of Extreme High-Order Harmonic Generation. <i>Springer Series in Chemical Physics</i> , 2009 , 12-14	0.3	
210	Observation of Elliptically Polarized High Harmonic Emission from Molecules Driven by Linearly Polarized Light. <i>Springer Series in Chemical Physics</i> , 2009 , 21-23	0.3	
209	Ultrafast Molecular and Materials Dynamics probed by Coherent X-Rays. <i>Springer Series in Chemical Physics</i> , 2009 , 39-41	0.3	1
208	Lensless Imaging Using Table-Top Soft X-Ray Lasers and High Harmonics Sources Reaching 70 nm Resolution. <i>Springer Proceedings in Physics</i> , 2009 , 433-438	0.2	
207	Lensless Microscopy and Holography with 60 nm Resolution using Tabletop Coherent Soft X-Rays. <i>Springer Series in Chemical Physics</i> , 2009 , 146-148	0.3	
206	Direct Measurement of Angle-Dependent Single Photon Ionization of N ₂ and CO ₂ . <i>Springer Series in Chemical Physics</i> , 2009 , 72-74	0.3	
205	Nanoscale Heat Transport Probed with Ultrafast Soft X-Rays. <i>Springer Series in Chemical Physics</i> , 2009 , 149-151	0.3	
204	Probing Dynamics in Polyatomic Molecules Using High Harmonic Generation: the Role of Ionization Continua. <i>Springer Series in Chemical Physics</i> , 2009 , 63-65	0.3	
203	Time-resolved dynamics in N ₂ O ₄ probed using high harmonic generation. <i>Science</i> , 2008 , 322, 1207-11	33.3	269
202	Laser-assisted photoemission from surfaces. <i>Physical Review A</i> , 2008 , 77,	2.6	70
201	Quasi-phase matching of high-order harmonic generation at high photon energies using counterpropagating pulses. <i>Optics Letters</i> , 2008 , 33, 174-6	3	18
200	Talbot solitons. <i>Optics Letters</i> , 2008 , 33, 830-2	3	
199	Quasi-periodic and random quasi-phase matching of high harmonic generation. <i>Optics Letters</i> , 2008 , 33, 1936-8	3	11
198	Extended phase matching of high harmonics driven by mid-infrared light. <i>Optics Letters</i> , 2008 , 33, 2128-30	3	124
197	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
196	Quasi-phase-matching and dispersion characterization of harmonic generation in the perturbative regime using counterpropagating beams. <i>Optics Express</i> , 2008 , 16, 15923-31	3.3	13

195	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
194	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
193	Direct measurement of core-level relaxation dynamics on a surface-adsorbate system. <i>Physical Review Letters</i> , 2008 , 101, 046101	7.4	80
192	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
191	Quantum-path control in high-order harmonic generation at high photon energies. <i>New Journal of Physics</i> , 2008 , 10, 025021	2.9	9
190	Molecular recollision interferometry in high harmonic generation. <i>Physical Review Letters</i> , 2008 , 100, 073902	7.4	130
189	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
188	Resonant uv pump-probe spectroscopy of dipicolinic acid via impulsive excitation. <i>Physical Review A</i> , 2008 , 77,	2.6	5
187	Temporal characterization of attosecond wave forms in the sub-optical-cycle regime. <i>Physical Review A</i> , 2008 , 78,	2.6	7
186	Lensless diffractive imaging using tabletop coherent high-harmonic soft-X-ray beams. <i>Physical Review Letters</i> , 2007 , 99, 098103	7.4	222
185	Enhanced high-order harmonic generation from Xe, Kr, and Ar in a capillary discharge. <i>Physical Review A</i> , 2007 , 76,	2.6	19
184	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
183	Soft X-ray-driven femtosecond molecular dynamics. <i>Science</i> , 2007 , 317, 1374-8	33.3	153
182	Probe of high-order harmonic generation in a hollow waveguide geometry using counterpropagating light. <i>Physical Review Letters</i> , 2007 , 98, 123904	7.4	26
181	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
180	Unified microscopic-macroscopic formulation of high-order difference-frequency mixing in plasmas. <i>Physical Review Letters</i> , 2007 , 98, 043903	7.4	13
179	Grating-assisted phase matching in extreme nonlinear optics. <i>Physical Review Letters</i> , 2007 , 99, 053902	7.4	43
178	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

177	Direct time resolved observation of molecular dynamics induced by soft-x-ray photoionization. <i>Journal of Physics: Conference Series</i> , 2007 , 88, 012037	0.3	0
176	Ultrafast extreme ultraviolet holography: dynamic monitoring of surface deformation. <i>Optics Letters</i> , 2007 , 32, 286-8	3	60
175	Optimizing quasi-phase matching of high harmonic generation using counterpropagating pulse trains. <i>Optics Letters</i> , 2007 , 32, 2975-7	3	22
174	All-Optical Quasi-Phase Matching in Extreme Nonlinear Optics. <i>Optics and Photonics News</i> , 2007 , 18, 32	1.9	12
173	Experimental setup for low-energy laser-based angle resolved photoemission spectroscopy. <i>Review of Scientific Instruments</i> , 2007 , 78, 053905	1.7	52
172	Harnessing attosecond science in the quest for coherent X-rays. <i>Science</i> , 2007 , 317, 775-8	33.3	128
171	MHz-rate white light generation using a novel positive-dispersion cavity-dumped Ti: sapphire laser. <i>Springer Series in Chemical Physics</i> , 2007 , 104-106	0.3	
170	Quasi phase matching of high harmonic generation in waveguides using counter-propagating beams. <i>Springer Series in Chemical Physics</i> , 2007 , 6-8	0.3	
169	Enhanced High Harmonic Generation from Ions Using a Capillary Discharge Plasma. <i>Springer Proceedings in Physics</i> , 2007 , 383-388	0.2	
168	Isolated EUV Pulses via CEP-insensitive Nonlinear Stabilization in a Waveguide. <i>Springer Series in Chemical Physics</i> , 2007 , 39-41	0.3	
167	MHz-rate white light generation using a novel positive dispersion cavity-dumped Ti:sapphire laser 2006 , TuG14		
166	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
165	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
164	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
163	Laser-assisted photoelectric effect from surfaces. <i>Physical Review Letters</i> , 2006 , 97, 113604	7.4	131
162	High-order harmonic generation from ions in a capillary discharge. <i>Physical Review Letters</i> , 2006 , 96, 203801	3.1	49
161	Cross-phase-modulation nonlinearities and holographic solitons in periodically poled photovoltaic photorefractives. <i>Optics Letters</i> , 2006 , 31, 954-6	3	15
160	Long-term carrier-envelope phase stability from a grating-based, chirped pulse amplifier. <i>Optics Letters</i> , 2006 , 31, 1866-8	3	30

159	Efficient reflection grisms for pulse compression and dispersion compensation of femtosecond pulses. <i>Optics Letters</i> , 2006 , 31, 3363-5	3	42
158	Tabletop Lasers in the Extreme Ultraviolet. <i>Optics and Photonics News</i> , 2006 , 17, 30	1.9	5
157	Multi-kilohertz repetition rate Ti:sapphire amplifier based on down-chirped pulse amplification. <i>Optics Express</i> , 2006 , 14, 9277-83	3.3	11
156	Positive-dispersion cavity-dumped Ti: sapphire laser oscillator and its application to white light generation. <i>Optics Express</i> , 2006 , 14, 9750-7	3.3	12
155	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
154	Observation of Intra-molecular Vibrational Dynamics using High-Harmonic Generation as a Probe 2006 , MB2		
153	Phase matching, quasi-phase matching, and pulse compression in a single waveguide for enhanced high-harmonic generation. <i>Optics Letters</i> , 2005 , 30, 1971-3	3	15
152	Quantum Control of High-Order Harmonic Generation 2005 , 314-332		
151	Temporal Self-Compression of Intense Femtosecond Pulses Propagating in Argon-Filled Hollow Waveguides. <i>Springer Series in Chemical Physics</i> , 2005 , 40-42	0.3	
150	Extreme Nonlinear Optics: Coherent X rays from Lasers. <i>Physics Today</i> , 2005 , 58, 39-46	0.9	92
149	Phase Matching and Control of High Harmonic Generation and Applications in Materials Dynamics 2005 , JME4		
148	Quasi-phase matching of high harmonic generation in the "water window" soft x-ray region. <i>Springer Series in Chemical Physics</i> , 2005 , 175-177	0.3	
147	High-Order Harmonic Generation from Argon Ions up to 250 eV. <i>Springer Series in Chemical Physics</i> , 2005 , 192-194	0.3	
146	Nonlinear wave-mixing processes in the extreme ultraviolet. <i>Physical Review A</i> , 2005 , 72,	2.6	28
145	Probing of Thermo-Acoustic Transients in Materials Using EUV Radiation. <i>Springer Series in Chemical Physics</i> , 2005 , 239-241	0.3	
144	Coherent imaging of laser-plasma interactions using high-harmonic EUV Light. <i>Springer Series in Chemical Physics</i> , 2005 , 189-191	0.3	1
143	Design of fully spatially coherent extreme-ultraviolet light sources. <i>Applied Physics Letters</i> , 2004 , 84, 3903-3905	3.4	11
142	Nanoscale photothermal and photoacoustic transients probed with extreme ultraviolet radiation. <i>Applied Physics Letters</i> , 2004 , 85, 564-566	3.4	22

141	Introduction to the Issue on Ultrafast Science and Technology. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2004 , 10, 127-128	3.8	
140	Extreme nonlinear optics: attosecond photonics at short wavelengths. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2004 , 10, 1339-1350	3.8	5
139	Learning from learning algorithms: Application to attosecond dynamics of high-harmonic generation. <i>Physical Review A</i> , 2004 , 70,	2.6	48
138	Mode-Selective Optical Kerr Effect Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 3384-3386	3.4	7
137	High-order harmonic generation up to 250 eV from highly ionized argon. <i>Physical Review Letters</i> , 2004 , 92, 033001	7.4	97
136	Self-compression of ultrashort pulses through ionization-induced spatiotemporal reshaping. <i>Physical Review Letters</i> , 2004 , 93, 173902	7.4	85
135	Use of a simple cavity geometry for low and high repetition rate modelocked Ti:sapphire lasers. <i>Optics Express</i> , 2004 , 12, 1409-16	3.3	5
134	Investigation of a grating-based stretcher/compressor for carrier-envelope phase stabilized fs pulses. <i>Optics Express</i> , 2004 , 12, 3493-9	3.3	22
133	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
132	11-W average power Ti:sapphire amplifier system using downchirped pulse amplification. <i>Optics Letters</i> , 2004 , 29, 2665-7	3	33
131	High-resolution imaging system using a tabletop extreme ultraviolet source 2004 ,		1
130	Quasi-Phase-Matching of High Harmonic EUV Generation at Very High Ionization Levels. <i>Springer Series in Optical Sciences</i> , 2004 , 217-221	0.5	
129	Coherent soft x-ray generation in the water window with quasi-phase matching. <i>Science</i> , 2003 , 302, 95-833,3		286
128	Impulsive stimulated Raman scattering of molecular vibrations using nonlinear pulse shaping. <i>Chemical Physics Letters</i> , 2003 , 374, 326-333	2.5	49
127	Time-resolved UPS: a new experimental technique for the study of surface chemical reactions on femtosecond time-scales. <i>Surface Science</i> , 2003 , 532-535, 1159-1165	1.8	13
126	Quasi-phase-matched generation of coherent extreme-ultraviolet light. <i>Nature</i> , 2003 , 421, 51-4	50.4	258
125	Phase-matching conditions for nonlinear frequency conversion by use of aligned molecular gases. <i>Optics Letters</i> , 2003 , 28, 346-8	3	26
124	Simplified setup for high-resolution spectroscopy that uses ultrashort pulses. <i>Optics Letters</i> , 2003 , 28, 361-3	3	58

123	Generation of mega-electron-volt electron beams by an ultrafast intense laser pulse. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003 , 20, 132	1.7	5
122	Fully spatially coherent EUV source. <i>Springer Series in Chemical Physics</i> , 2003 , 66-68	0.3	
121	Determination of HHG spectrum by measuring the mutual coherence. <i>Springer Series in Chemical Physics</i> , 2003 , 54-56	0.3	
120	Self-Compression of Ultrafast Optical Pulses using Molecular Phase Modulation. <i>Springer Series in Chemical Physics</i> , 2003 , 199-201	0.3	
119	Hot-Electron-Driven Charge Transfer Processes on Surfaces. <i>Springer Series in Chemical Physics</i> , 2003 , 313-315	0.3	
118	EUV Photonics: Quasi-phases matching at short wavelengths. <i>Springer Series in Chemical Physics</i> , 2003 , 51-53	0.3	
117	Making and Measuring Vibrational Wave Packets in Small Molecules through non-Resonant Impulsive Stimulated Raman Scattering. <i>Springer Series in Chemical Physics</i> , 2003 , 91-93	0.3	
116	High average system power, 10kHz, ultrafast laser. <i>Springer Series in Chemical Physics</i> , 2003 , 128-130	0.3	
115	Phase-coherent synthesis of optical frequencies and waveforms. <i>Applied Physics B: Lasers and Optics</i> , 2002 , 74, s27-s34	1.9	17
114	A simple, high power, compact, intracavity frequency-doubled, Q-switched Nd:Y3Al5O12 laser. <i>Review of Scientific Instruments</i> , 2002 , 73, 1994-1997	1.7	4
113	Hot-electron-driven charge transfer processes on O2/Pt(111) surface probed by ultrafast extreme-ultraviolet pulses. <i>Physical Review B</i> , 2002 , 66,	3.3	37
112	Generation of Spatially Coherent Light at Extreme Ultraviolet Wavelengths. <i>Science</i> , 2002 , 297, 376-378	33.3	291
111	Active synchronization and carrier phase locking of two separate mode-locked femtosecond lasers. <i>Journal of Modern Optics</i> , 2002 , 49, 401-409	1.1	10
110	Subfemtosecond timing jitter between two independent, actively synchronized, mode-locked lasers. <i>Optics Letters</i> , 2002 , 27, 312-4	3	89
109	Absolute determination of the wavelength and spectrum of an extreme-ultraviolet beam by a Young's double-slit measurement. <i>Optics Letters</i> , 2002 , 27, 707-9	3	28
108	Phase matching in cascaded third-order processes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002 , 19, 822	1.7	26
107	Nonresonant control of multimode molecular wave packets at room temperature. <i>Physical Review Letters</i> , 2002 , 88, 033001	7.4	79
106	Phase modulation of ultrashort light pulses using molecular rotational wave packets. <i>Physical Review Letters</i> , 2002 , 88, 013903	7.4	195

105	Femtosecond x-ray diffraction: experiments and limits 2001 ,		9
104	Advances in capillary discharge soft x-ray laser research 2001 ,		8
103	Attosecond time-scale feedback control of coherent X-ray generation. <i>Chemical Physics</i> , 2001 , 267, 277-289		43
102	Coherent learning control of vibrational motion in room temperature molecular gases. <i>Chemical Physics Letters</i> , 2001 , 344, 333-338	2.5	97
101	Sub-10-femtosecond active synchronization of two passively mode-locked Ti:sapphire oscillators. <i>Physical Review A</i> , 2001 , 64,	2.6	57
100	Excitation dynamics of dye doped tris(8-hydroxy quinoline) aluminum films studied using time-resolved photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2001 , 90, 294-300	2.5	14
99	Generation of broadband VUV light using third-order cascaded processes. <i>Physical Review Letters</i> , 2001 , 87, 013601	7.4	76
98	Phase-coherent optical pulse synthesis from separate femtosecond lasers. <i>Science</i> , 2001 , 293, 1286-9	33.3	176
97	High-efficiency, single-stage 7-kHz high-average-power ultrafast laser system. <i>Optics Letters</i> , 2001 , 26, 465-7	3	94
96	Attosecond time-scale intra-atomic phase matching of high harmonic generation. <i>Physical Review Letters</i> , 2001 , 86, 5458-61	7.4	68
95	Direct Observation of Surface Chemistry Using Ultrafast Soft-X-Ray Pulses. <i>Physical Review Letters</i> , 2001 , 87,	7.4	151
94	Probing impulsive strain propagation with X-ray pulses. <i>Physical Review Letters</i> , 2001 , 86, 3072-5	7.4	136
93	Coherent Control of XUV Radiation. <i>Springer Series in Chemical Physics</i> , 2001 , 42-44	0.3	
92	Generation and measurement of ultrafast tunable VUV light. <i>Springer Series in Chemical Physics</i> , 2001 , 112-114	0.3	1
91	Shaped-pulse optimization of coherent emission of high-harmonic soft X-rays. <i>Nature</i> , 2000 , 406, 164-6	50.4	595
90	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
89	Quasi-phase matching of high-harmonics and attosecond pulses in modulated waveguides. <i>Optics Express</i> , 2000 , 7, 362-7	3.3	64
88	Adaptive pulse compression for transform-limited 15-fs high-energy pulse generation. <i>Optics Letters</i> , 2000 , 25, 587-9	3	108

87	Sub-Optical-Cycle Coherent Control In Nonlinear Optics. <i>Optics and Photonics News</i> , 2000 , 11, 23	1.9	
86	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
85	Effect of reduction of laser pulse width from 100 ps to 20 fs on the plasma-mediated ablation of hard and soft tissue 1999 ,		15
84	Crosslinking of proteins to DNA in human nuclei using a 60 femtosecond 266 nm laser. <i>Nucleic Acids Research</i> , 1999 , 27, 3676-84	20.1	19
83	GUIDED-WAVE PHASE-MATCHING OF ULTRASHORT-PULSE LIGHT. <i>Journal of Nonlinear Optical Physics and Materials</i> , 1999 , 08, 211-234	0.8	16
82	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
81	Phase Matching of High-Order Harmonics in Hollow Waveguides. <i>Physical Review Letters</i> , 1999 , 83, 2187-2190	7.4	272
80	Generation of 10-W average-power, 40-TW peak-power, 24-fs pulses from a Ti:sapphire amplifier system. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999 , 16, 1790	1.7	18
79	Pulse compression by use of deformable mirrors. <i>Optics Letters</i> , 1999 , 24, 493-5	3	207
78	Intense 8-fs pulse generation in the deep ultraviolet. <i>Optics Letters</i> , 1999 , 24, 697-9	3	161
77	Ultrashort light pulses: life in the fast lane. <i>Physics World</i> , 1999 , 12, 31-36	0.5	19
76	Generation of single-cycle attosecond pulses in the vacuum ultraviolet. <i>Optics Communications</i> , 1998 , 148, 75-78	2	19
75	High power ultrafast lasers. <i>Review of Scientific Instruments</i> , 1998 , 69, 1207-1223	1.7	399
74	Generation of coherent, femtosecond, X-ray pulses in the "water window". <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1998 , 4, 266-270	3.8	4
73	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
72	Temporal phase control of soft-x-ray harmonic emission. <i>Physical Review A</i> , 1998 , 58, R30-R33	2.6	145
71	Phase-matched generation of short wavelength, ultrashort-pulse light in capillary waveguides 1998 ,		1
70	Phase Matched Generation of Coherent Soft-X-rays. <i>Optics and Photonics News</i> , 1998 , 9, 54	1.9	1

69	Spectral-spatial measurements of fundamental and third-harmonic light of intense 25-fs laser pulses focused in a gas cell. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998 , 15, 186	1.7	27
68	Absorber-assisted Kerr-lens mode locking. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998 , 15, 2631	1.7	1
67	Dispersion-controlled hollow core fiber for phase matched harmonic generation. <i>Optics Express</i> , 1998 , 3, 360-5	3.3	18
66	Phase-matched generation of coherent soft X-rays. <i>Science</i> , 1998 , 280, 1412-5	33.3	691
65	Generation and propagation of attosecond x-ray pulses in gaseous media. <i>Physical Review A</i> , 1998 , 57, R2285-R2288	2.6	53
64	Phase-matched Generation of Short Wavelength, Ultrashort-pulse Light in Capillary Waveguides. <i>Springer Series in Chemical Physics</i> , 1998 , 373-377	0.3	
63	0.28 TW laser system at 1 kHz, Scaleable to 2 TW at 1 kHz. <i>Springer Series in Chemical Physics</i> , 1998 , 41-43	0.3	
62	Soft-X-Ray Harmonics in the Water Window 1998 , 45-51		
61	Guided-Wave Optical Parametric Amplification in Gases: A Novel Phase-Matching Technique for Ultrafast Pulses 1998 , 71-77		
60	0.27 Terawatt laser system at 1 kHz 1998 , 17-21		
59	Ultra-Fast Time-Resolved X-Ray Diffraction Detected by an Averaging Mode Streak Camera 1998 , 267-270		
58	High-Harmonic Generation of Attosecond Pulses in the Single-Cycle Regime. <i>Physical Review Letters</i> , 1997 , 78, 1251-1254	7.4	495
57	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
56	Ultrafast x-ray diffraction using a streak-camera detector in averaging mode. <i>Optics Letters</i> , 1997 , 22, 1012-4	3	56
55	0.2-TW laser system at 1kHz. <i>Optics Letters</i> , 1997 , 22, 1256-8	3	109
54	Ultrabroadband phase-matched optical parametric generation in the ultraviolet by use of guided waves. <i>Optics Letters</i> , 1997 , 22, 1565-7	3	114
53	Comment on "Sub-10-fs mirror-dispersion-controlled Ti:sapphire laser" and "Ultrabroadband ring oscillator for sub-10-fs pulse generation". <i>Optics Letters</i> , 1997 , 22, 1882-3	3	1
52	Low-threshold operation of an ultrashort-pulse mode-locked Ti:sapphire laser. <i>Optics Letters</i> , 1996 , 21, 489-91	3	21

51	16-fs, 1-microJ ultraviolet pulses generated by third-harmonic conversion in air. <i>Optics Letters</i> , 1996 , 21, 665-7	3	147
50	Molecular engineering of polymer films for amplitude and phase measurements of Ti:sapphire femtosecond pulses. <i>Optics Letters</i> , 1996 , 21, 1487-9	3	12
49	Sub-10-fs operation of Kerr-lens mode-locked lasers. <i>Optics Letters</i> , 1996 , 21, 1493-5	3	41
48	Measurement of 10-fs laser pulses. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1996 , 2, 575-583	3	76
47	Demonstration of a sub-picosecond x-ray streak camera. <i>Applied Physics Letters</i> , 1996 , 69, 133-135	3.4	66
46	Nonadiabatic Effects in High-Harmonic Generation with Ultrashort Pulses. <i>Physical Review Letters</i> , 1996 , 77, 1743-1746	7.4	109
45	Enhanced high-harmonic generation using 25 fs laser pulses. <i>Physical Review Letters</i> , 1996 , 76, 752-755	7.4	278
44	Demonstration of a Sub-Picosecond X-Ray Streak Camera. <i>Springer Series in Chemical Physics</i> , 1996 , 152-153		
43	16 fs Pulse Generation and Measurement in the Ultraviolet and Vacuum Ultraviolet. <i>Springer Series in Chemical Physics</i> , 1996 , 79-80	0.3	
42	Enhanced High-Harmonic Generation with Ultrashort 25 fs Pulses. <i>Springer Series in Chemical Physics</i> , 1996 , 120-121	0.3	
41	High-Order Harmonic Generation with a 25 Femtosecond Laser Pulse 1996 , 455-466		1
40	Measurement of the Intensity and Phase of Ultrashort Pulses Using Frequency-Resolved Optical Gating 1996 , 603-606		
39	13 fs Frequency-Resolved Optical Gating Measurements with Thin Poled Nonlinear Polymers. <i>Springer Series in Chemical Physics</i> , 1996 , 167-168	0.3	
38	Recent advances in femtosecond laser technology: capabilities and limits 1995 ,		3
37	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
36	Space-time focusing of femtosecond pulses in a Ti:sapphire laser. <i>Optics Letters</i> , 1995 , 20, 309-11	3	41
35	Ultrashort optical waveform measurements using frequency-resolved optical gating. <i>Optics Letters</i> , 1995 , 20, 743-5	3	45
34	Ti:sapphire amplifier producing millijoule-level, 21-fs pulses at 1 kHz. <i>Optics Letters</i> , 1995 , 20, 2000-2	3	89

33	Mode locking with a compensated space-time astigmatism. <i>Optics Letters</i> , 1995 , 20, 2111-3	3	24
32	Ultrashort X-ray pulses. <i>Applied Physics B: Lasers and Optics</i> , 1994 , 58, 261-266	1.9	53
31	Generation of 21-fs millijoule-energy pulses by use of Ti:sapphire. <i>Optics Letters</i> , 1994 , 19, 126	3	70
30	Intracavity frequency doubling in a Ti:sapphire laser: generation of 14-fs pulses at 416 nm. <i>Optics Letters</i> , 1994 , 19, 399-401	3	20
29	Pulse evolution in a broad-bandwidth Ti:sapphire laser. <i>Optics Letters</i> , 1994 , 19, 1149-51	3	186
28	Fourth-order dispersion-limited solitary pulses. <i>Optics Letters</i> , 1994 , 19, 1465-7	3	74
27	FEMTOSECOND LASERS: THE NEXT GENERATION. <i>Optics and Photonics News</i> , 1994 , 5, 20	1.9	12
26	Sub-10 fs Pulse Generation in Ti:Sapphire: Capabilities and Ultimate Limits. <i>Springer Series in Chemical Physics</i> , 1994 , 39-40	0.3	3
25	Amplification in Ti:Sapphire at the Gain-Narrowing Limit. <i>Springer Series in Chemical Physics</i> , 1994 , 172-173	0.3	3
24	Intracavity Doubling in Ti:Sapphire. <i>Springer Series in Chemical Physics</i> , 1994 , 213-214	0.3	3
23	Efficient coupling of high-intensity subpicosecond laser pulses into solids. <i>Applied Physics Letters</i> , 1993 , 62, 1068-1070	3.4	116
22	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
21	Generation of 11-fs pulses from a self-mode-locked Ti:sapphire laser. <i>Optics Letters</i> , 1993 , 18, 977-9	3	345
20	17 fs Pulses from a Mode-Locked Ti:Sapphire Laser. <i>Springer Series in Chemical Physics</i> , 1993 , 160-162	0.3	1
19	Photoionization-pumped x-ray lasers using ultrashort-pulse excitation. <i>Applied Optics</i> , 1992 , 31, 4931-9	1.7	55
18	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
17	17-fs pulses from a self-mode-locked Ti:sapphire laser. <i>Optics Letters</i> , 1992 , 17, 1289-91	3	84
16	Generation of efficient ultrafast laser-plasma x-ray sources. <i>Physics of Fluids B</i> , 1991 , 3, 2409-2413		34

15	Prepulse energy suppression for high-energy ultrashort pulses using self-induced plasma shuttering. <i>Optics Letters</i> , 1991 , 16, 490-2	3	141
14	Multiterawatt, 100-fs laser. <i>Optics Letters</i> , 1991 , 16, 1406-8	3	115
13	Relativistic pulse compression. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1991 , 8, 1657	1.7	22
12	Ultrafast X-ray Pulses from Laser-Produced Plasmas. <i>Science</i> , 1991 , 251, 531-6	33.3	325
11	High-Intensity, Ultrashort Pulse Laser Heated Solids 1991 , 83-86		
10	X-ray streak camera with 2 ps response. <i>Applied Physics Letters</i> , 1990 , 56, 1948-1950	3.4	68
9	Picosecond Streak Camera Measurements Of Short X-Ray Pulses 1990 ,		1
8	Enhanced Absorption and ASE Pedestal Suppression in the Generation of Ultrashort-Pulse Solid-Density Plasmas. <i>Springer Series in Chemical Physics</i> , 1990 , 122-124	0.3	3
7	Murnane, Kapteyn, and Falcone reply. <i>Physical Review Letters</i> , 1989 , 63, 339	7.4	2
6	High density plasmas produced by ultrafast laser pulses. <i>Physical Review Letters</i> , 1989 , 62, 155-158	7.4	247
5	. <i>IEEE Journal of Quantum Electronics</i> , 1989 , 25, 2417-2422	2	30
4	Auger-pumped short-wavelength lasers in xenon and krypton. <i>Physical Review A</i> , 1988 , 37, 2033-2038	2.6	34
3	Time-resolved measurements of short-wavelength fluorescence from x-ray-excited ions. <i>Optics Letters</i> , 1987 , 12, 663-5	3	8
2	Observation of a short-wavelength laser pumped by Auger decay. <i>Physical Review Letters</i> , 1986 , 57, 2939-2942	7.4	66
1	Nanosession: Spin Dynamics 291-300		