

Henry Kapteyn

List of Publications by Year in descending order

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604
papers

29,697
citations

2975

93
h-index

5679

162
g-index

627
all docs

627
docs citations

627
times ranked

11825
citing authors

#	ARTICLE	IF	CITATIONS
1	Creation of a novel inverted charge density wave state. <i>Structural Dynamics</i> , 2022, 9, 014501.	2.3	7
2	Spatially homogeneous few-cycle compression of Yb lasers via all-solid-state free-space soliton management. <i>Optics Express</i> , 2022, 30, 2918.	3.4	12
3	Necklace-structured high-harmonic generation for low-divergence, soft x-ray harmonic combs with tunable line spacing. <i>Science Advances</i> , 2022, 8, eabj7380.	10.3	16
4	Dispersion Compensation in a 3 $\hat{1}$ / ₄ m Wavelength OPCPA System by Shaping the 1.5 $\hat{1}$ / ₄ m Signal Input. , 2022, , .		0
5	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.	3.9	7
6	Nondestructive, high-resolution, chemically specific 3D nanostructure characterization using phase-sensitive EUV imaging reflectometry. <i>Science Advances</i> , 2021, 7, .	10.3	55
7	Coherent Fourier scatterometry using orbital angular momentum beams for defect detection. <i>Optics Express</i> , 2021, 29, 3342.	3.4	28
8	Necklace High Harmonic Generation for Low-Divergence, Soft X-Ray Harmonic Combs with Tunable Line Spacing. , 2021, , .		0
9	Measurement and control of optical nonlinearities in dispersive dielectric multilayers. <i>Optics Express</i> , 2021, 29, 4947.	3.4	3
10	Influence of surface and interface roughness on X-ray and extreme ultraviolet reflectance: A comparative numerical study. <i>OSA Continuum</i> , 2021, 4, 1497.	1.8	10
11	Low-Divergence, Soft X-Ray Harmonic Combs with Tunable Line Spacing from Necklace-Structured Driving Lasers. , 2021, , .		0
12	Second-harmonic generation and the conservation of spatiotemporal orbital angular momentum of light. <i>Nature Photonics</i> , 2021, 15, 608-613.	31.4	60
13	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.	14.6	20
14	The 2021 ultrafast spectroscopic probes of condensed matter roadmap. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 353001.	1.8	55
15	Nonequilibrium dissociative dynamics of D2 in two-color, few-photon excitation and ionization. <i>Physical Review Research</i> , 2021, 3, .	3.6	3
16	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, .	7.1	9
17	Bright, single helicity, high harmonics driven by mid-infrared bicircular laser fields. <i>Optics Express</i> , 2021, 29, 38119.	3.4	5
18	Maximizing the Field of View in Blind Ptychography. , 2021, , .		0

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19	All-Fiber Mid-IR OPCPA Front-End and Cryogenic Yb:YAG Pump Laser for Soft X-ray Generation. , 2021, , .		0
20	A new metrology technique for defect inspection via coherent Fourier scatterometry using orbital angular momentum beams. , 2021, , .		1
21	Coherent modulation of the electron temperature and electron-phonon couplings in a 2D material. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8788-8793.	7.1	34
22	Attosecond light science and its application for probing quantum materials. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 184008.	1.5	22
23	Ultrafast optically induced spin transfer in ferromagnetic alloys. Science Advances, 2020, 6, eaay8717.	10.3	93
24	Direct light-induced spin transfer between different elements in a spintronic Heusler material via femtosecond laser excitation. Science Advances, 2020, 6, eaaz1100.	10.3	47
25	Nondestructive Measurements of the Mechanical and Structural Properties of Nanostructured Metalattices. Nano Letters, 2020, 20, 3306-3312.	9.1	10
26	Full characterization of ultrathin 5-nm low- κ dielectric bilayers: Influence of dopants and surfaces on the mechanical properties. Physical Review Materials, 2020, 4, .	2.4	12
27	Ultrafast 1-MHz vacuum-ultraviolet source via highly cascaded harmonic generation in negative-curvature hollow-core fibers. Optica, 2020, 7, 832.	9.3	28
28	High-Flux MHz Vacuum Ultraviolet Light Source. Optics and Photonics News, 2020, 31, 34.	0.5	0
29	A Compact MHz-repetition-rate VUV Source: Implementation, Modeling, and Applications. , 2020, , .		0
30	Light-induced manipulation of the charge density wave in 1T-TaSe ₂ . , 2020, , .		0
31	Coherent electron-phonon couplings in a charge density wave material. , 2020, , .		0
32	Ptychographic Phase-Sensitive Imaging Reflectometry for Depth-Resolved Nanostructure Characterization using Tabletop EUV Light. , 2020, , .		0
33	SQUARREL: Scattering Quotient Analysis to Retrieve the Ratio of Elements in X-ray Ptychography. Microscopy and Microanalysis, 2019, 25, 112-113.	0.4	2
34	Generation of extreme-ultraviolet beams with time-varying orbital angular momentum. Science, 2019, 364, .	12.6	198
35	Full-Field Stroboscopic Imaging of Acoustic and Thermal Dynamics in Isolated Nanostructures Using Tabletop EUV Coherent Imaging. Microscopy and Microanalysis, 2019, 25, 42-43.	0.4	0
36	Probing thermal and acoustic dynamics of inverse silicon metalattices. Microscopy and Microanalysis, 2019, 25, 2174-2175.	0.4	0

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37	Ptychographic Complex Imaging Reflectometry for Spatially-Resolved Dopant Profiling Using a Tabletop EUV Source. <i>Microscopy and Microanalysis</i> , 2019, 25, 116-117.	0.4	0
38	Extreme-Ultraviolet Pulses with Self-Torque. , 2019, , .		0
39	Nanoscale transient gratings excited and probed by extreme ultraviolet femtosecond pulses. <i>Science Advances</i> , 2019, 5, eaaw5805.	10.3	54
40	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	1
41	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	0
42	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	0
43	Multimodal x-ray and electron microscopy of the Allende meteorite. <i>Science Advances</i> , 2019, 5, eaax3009.	10.3	17
44	Conservation of Torus-knot Angular Momentum in High-order Harmonic Generation. <i>Physical Review Letters</i> , 2019, 122, 203201.	7.8	37
45	Ultrafast electron calorimetry uncovers a new long-lived metastable state in $1T\text{-TaSe}_2$ mediated by mode-selective electron-phonon coupling. <i>Science Advances</i> , 2019, 5, eaav4449.	10.3	43
46	Recent advances in ultrafast X-ray sources. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180384.	3.4	89
47	Engineering Nanoscale Thermal Transport: Size- and Spacing-Dependent Cooling of Nanostructures. <i>Physical Review Applied</i> , 2019, 11, .	3.8	28
48	Polarization and Vortex Control of Extreme-Ultraviolet Attosecond Pulses through Simultaneous Control of Spin and Orbital Angular Momentum. , 2019, , .		0
49	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.	31.4	120
50	A MHz-Repetition-Rate VUV Source via Cascaded Four-Wave-Mixing in Negative-Curvature Fibers. , 2019, , .		0
51	Complex Imaging Reflectometry for Dopant Profile Measurements using Tabletop High Harmonic Light. , 2019, , .		0
52	1 MHz Ultrafast High Order Cascaded VUV Generation in Negative Curvature Hollow Fibers. , 2019, , .		1
53	Attosecond, High-Harmonic Optical Vortices with Tailored Spin and Orbital Angular Momentum. , 2019, , .		0
54	Direct Time-domain Observation of Attosecond Electron Dynamics in Solids using Attosecond Pulse Sequences. , 2019, , .		0

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55	An Extreme Ultraviolet Spin Grating for Spatially Resolved, Hyperspectral Magnetic Dichroism Spectroscopies. , 2019, , .		0
56	Near- and Extended-Edge X-Ray-Absorption Fine-Structure Spectroscopy Using Ultrafast Coherent High-Order Harmonic Supercontinua. Physical Review Letters, 2018, 120, 093002.	7.8	121
57	Critical behavior within 20 fs drives the out-of-equilibrium laser-induced magnetic phase transition in nickel. Science Advances, 2018, 4, eaap9744.	10.3	107
58	Polarization control of isolated high-harmonic pulses. Nature Photonics, 2018, 12, 349-354.	31.4	136
59	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. Physical Review B, 2018, 97, .	3.2	14
60	Roadmap of ultrafast x-ray atomic and molecular physics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 032003.	1.5	240
61	Multiple beam ptychography for large field-of-view, high throughput, quantitative phase contrast imaging. Ultramicroscopy, 2018, 184, 164-171.	1.9	15
62	Induced versus intrinsic magnetic moments in ultrafast magnetization dynamics. Physical Review B, 2018, 98, .	3.2	24
63	Generation of coherent phonons by coherent extreme ultraviolet radiation in a transient grating experiment. Applied Physics Letters, 2018, 113, .	3.3	28
64	Full-field imaging of thermal and acoustic dynamics in an individual nanostructure using tabletop high harmonic beams. Science Advances, 2018, 4, eaau4295.	10.3	24
65	Single-shot 3D coherent diffractive imaging of core-shell nanoparticles with elemental specificity. Scientific Reports, 2018, 8, 8284.	3.3	10
66	High harmonics with spatially varying ellipticity. Optica, 2018, 5, 479.	9.3	38
67	Colloidal crystal order and structure revealed by tabletop extreme ultraviolet scattering and coherent diffractive imaging. Optics Express, 2018, 26, 11393.	3.4	6
68	1 MHz Ultrafast Cascaded VUV Generation in Negative Curvature Hollow Fibers. , 2018, , .		1
69	Revealing the Nature of the Ultrafast Magnetic Phase Transition in Ni by Correlating Extreme Ultraviolet Magneto-Optic and Photoemission Spectroscopies. Physical Review Letters, 2018, 121, 077204.	7.8	47
70	Ionization-assisted spatiotemporal localization in gas-filled capillaries. Optics Letters, 2018, 43, 3112.	3.3	12
71	High harmonic interferometry of the Lorentz force in strong mid-infrared laser fields. New Journal of Physics, 2018, 20, 053036.	2.9	17
72	Revealing the role of electron-electron correlations by mapping dissociation of highly excited D2+ using ultrashort XUV pulses. Physical Review A, 2018, 97, .	2.5	5

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73	Ptychographic amplitude and phase reconstruction of bichromatic vortex beams. <i>Optics Express</i> , 2018, 26, 34007.	3.4	21
74	Practical Tabletop-Scale Femtosecond X-Ray Laser Light Sources for Science and Technology. , 2018, , .		0
75	Characterization and imaging of nanostructured materials using tabletop extreme ultraviolet light sources. , 2018, , .		0
76	Complex EUV imaging reflectometry: spatially resolved 3D composition determination and dopant profiling with a tabletop 13nm source. , 2018, , .		0
77	A tabletop coherent EUV source for commercial EUVL metrology and imaging applications. , 2018, , .		0
78	Prototype through-pellicle coherent imaging using a 30nm tabletop EUV source. , 2018, , .		0
79	Nanoscale surface phononic crystals for characterization of complex and periodic materials using extreme ultraviolet light. , 2018, , .		0
80	Controlling the polarization and vortex charge of attosecond high-harmonic beams via simultaneous spin-orbit momentum conservation. <i>Nature Photonics</i> , 2018, 13, .	31.4	6
81	Picosecond ionization dynamics in femtosecond filaments at high pressures. <i>Physical Review A</i> , 2017, 95, .	2.5	16
82	Full Characterization of the Mechanical Properties of 11â€“50 nm Ultrathin Films: Influence of Network Connectivity on the Poissonâ€™s Ratio. <i>Nano Letters</i> , 2017, 17, 2178-2183.	9.1	29
83	Far above bandgap photonics: attosecond dynamics of highly excited electrons in materials. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
84	Sub-wavelength transmission and reflection mode tabletop imaging with 13nm illumination via ptychography CDI. , 2017, , .		0
85	Band structure evolution during the ultrafast ferromagnetic-paramagnetic phase transition in cobalt. <i>Science Advances</i> , 2017, 3, e1602094.	10.3	119
86	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.	2.5	12
87	Subwavelength coherent imaging of periodic samples using a 13.5â€“nm tabletop high-harmonic light source. <i>Nature Photonics</i> , 2017, 11, 259-263.	31.4	159
88	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.	0.4	0
89	Observation of ionization enhancement in two-color circularly polarized laser fields. <i>Physical Review A</i> , 2017, 96, .	2.5	36
90	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.	7.8	102

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91	Ultrafast 25-fs relaxation in highly excited states of methyl azide mediated by strong nonadiabatic coupling. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11072-E11081.	7.1	13
92	Tabletop Femtosecond VUV Photoionization and PEPICO Detection of Microreactor Pyrolysis Products. Journal of Physical Chemistry A, 2017, 121, 5280-5289.	2.5	8
93	Distinguishing attosecond electron-electron scattering and screening in transition metals. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5300-E5307.	7.1	55
94	Generation and characterization of isolated, circularly polarized, attosecond pulses. , 2017, , .		0
95	Direct diode pumped Ti:sapphire ultrafast regenerative amplifier system. Optics Express, 2017, 25, 3666.	3.4	29
96	Phase matching of noncollinear sum and difference frequency high harmonic generation above and below the critical ionization level. Optics Express, 2017, 25, 10126.	3.4	17
97	Isolated broadband attosecond pulse generation with near- and mid-infrared driver pulses via time-gated phase matching. Optics Express, 2017, 25, 11855.	3.4	24
98	Direct diode-pumped Kerr Lens 13 fs Ti:sapphire ultrafast oscillator using a single blue laser diode. Optics Express, 2017, 25, 12469.	3.4	33
99	Electronic initiation and optimization of nonlinear polarization evolution mode-locking in a fiber laser. Optics Express, 2017, 25, 33216.	3.4	40
100	High-harmonic generation in periodically poled waveguides. Optica, 2017, 4, 1538.	9.3	48
101	General-purpose, wide field-of-view reflection imaging with a tabletop 13-Å nm light source. Optica, 2017, 4, 1552.	9.3	33
102	Influence of microscopic and macroscopic effects on attosecond pulse generation using two-color laser fields. Optics Express, 2017, 25, 28684.	3.4	6
103	Heisenberg vs. Stoner: Probing the Microscopic Picture of Ultrafast Demagnetization using High Harmonics. , 2017, , .		0
104	First Demonstration of Sub-Wavelength Imaging at Short Wavelengths. , 2017, , .		1
105	Sub-wavelength 12.6nm Resolution Using a Tabletop High Harmonic Coherent Diffractive Microscope. , 2017, , .		0
106	Stroboscopic Imaging of Acoustic Waves in Nanostructures using Tabletop High Harmonics. , 2017, , .		0
107	Phase Matching of Noncollinear Sum and Difference Frequency High Harmonic Generation. , 2017, , .		0
108	Multi-mJ, 1kHz, 3.1-Å μm OPCPA. , 2017, , .		0

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109	Elliptically Polarized Attosecond Pulse Trains Produced via Circularly Polarized High Harmonic Generation. , 2017, , .		0
110	Extremely Wide Field of View Tabletop Ptychographic Imaging with 12.7 nm Illumination. , 2017, , .		0
111	Full-Field Functional Imaging of Nanoscale Dynamics Using Tabletop High Harmonics. , 2017, , .		1
112	Ptychographic hyperspectral spectromicroscopy with an extreme ultraviolet high harmonic comb. Optics Express, 2016, 24, 18745.	3.4	45
113	Coherent Ptychographic Imaging Microscope With 17.5nm Spatial Resolution Employing 13.5nm High Harmonic Light. Microscopy and Microanalysis, 2016, 22, 88-89.	0.4	0
114	Chemically Specific Buried Interface Imaging with a Coherent EUV Nanoscope. Microscopy and Microanalysis, 2016, 22, 130-131.	0.4	0
115	Group velocity matching in high-order harmonic generation driven by mid-infrared lasers. New Journal of Physics, 2016, 18, 073031.	2.9	21
116	Multiple beam ptychography for large field of view imaging. Proceedings of SPIE, 2016, , .	0.8	0
117	Tomographic reconstruction of circularly polarized high-harmonic fields: 3D attosecond metrology. Science Advances, 2016, 2, e1501333.	10.3	103
118	Stoner versus Heisenberg: Ultrafast exchange reduction and magnon generation during laser-induced demagnetization. Physical Review B, 2016, 94, .	3.2	72
119	Coherent x-rays driven by ultrashort-pulse lasers: generation, application, and prospects. , 2016, , .		2
120	Quantitative Chemically Specific Coherent Diffractive Imaging of Reactions at Buried Interfaces with Few Nanometer Precision. Nano Letters, 2016, 16, 5444-5450.	9.1	42
121	Lorentz drift compensation in high harmonic generation in the soft and hard X-ray regions of the spectrum. Optics Express, 2016, 24, 21818.	3.4	12
122	Controlling Nonsequential Double Ionization in Two-Color Circularly Polarized Femtosecond Laser Fields. Physical Review Letters, 2016, 117, 133201.	7.8	104
123	Schemes for generation of isolated attosecond pulses of pure circular polarization. Physical Review A, 2016, 93, .	2.5	70
124	Controlling electron-ion rescattering in two-color circularly polarized femtosecond laser fields. Physical Review A, 2016, 93, .	2.5	100
125	Self-amplified photo-induced gap quenching in a correlated electron material. Nature Communications, 2016, 7, 12902.	12.8	50
126	Helicity-selective phase-matching and quasi-phase matching of circularly polarized high-order harmonics: towards chiral attosecond pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 123501.	1.5	41

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127	Direct time-domain observation of attosecond final-state lifetimes in photoemission from solids. Science, 2016, 353, 62-67.	12.6	181
128	Nondestructive Measurement of the Evolution of Layer-Specific Mechanical Properties in Sub-10 nm Bilayer Films. Nano Letters, 2016, 16, 4773-4778.	9.1	24
129	Reliable characterization of materials and nanostructured systems < 50nm using coherent EUV beams. , 2016, , .		0
130	Multiple beam ptychography. Proceedings of SPIE, 2016, , .	0.8	0
131	Lensless hyperspectral spectromicroscopy with a tabletop extreme-ultraviolet source. Proceedings of SPIE, 2016, , .	0.8	0
132	Spectroscopic imaging of buried layers in 2+1D via tabletop ptychography with high-harmonic EUV illumination. Proceedings of SPIE, 2016, , .	0.8	0
133	Materials Properties and Solvated Electron Dynamics of Isolated Nanoparticles and Nanodroplets Probed with Ultrafast Extreme Ultraviolet Beams. Journal of Physical Chemistry Letters, 2016, 7, 609-615.	4.6	23
134	Isolated, Circularly Polarized, Attosecond Pulse Generation. , 2016, , .		2
135	Practical Tabletop "X-ray Lasers" Implemented Using High Harmonic Generation. , 2016, , .		1
136	Generation of Bright Circularly-Polarized High Harmonics for Magneto-Optical Investigations. Springer Proceedings in Physics, 2016, , 187-192.	0.2	0
137	Generation of Bright Soft X-ray Harmonics with Circular Polarization for X-ray Magnetic Circular Dichroism. , 2016, , .		0
138	Spatio-Temporal Localization of Intense Pulses in Gas-Filled Capillaries. , 2016, , .		0
139	Bright Soft X-ray High Harmonic Generation with Circular Polarization for X-ray Magnetic Circular Dichroism. , 2016, , .		0
140	Quantitative Chemically-Specific Coherent Diffractive Imaging of Reactions and Diffusion at Buried Interfaces using a Tabletop EUV Nanoscope. , 2016, , .		0
141	Ptychographic Imaging with 17.5nm Spatial Resolution Employing High Harmonic Light at 13.5nm. , 2016, , .		0
142	Coherent Diffraction Imaging of Buried Nanostructures in a Reflection Geometry with Extreme Ultraviolet Light. , 2016, , .		0
143	Heisenberg vs. Stoner: Magnon Generation and Exchange Reduction during Ultrafast Demagnetization. , 2016, , .		0
144	Tomographic Reconstruction of Circularly Polarized High Harmonic Fields. , 2016, , .		0

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145	Intensity Stabilization of Ionizing Pulses in High-Pressure, Gas-Filled Capillaries. , 2016, , .		0
146	Ionization Dynamics in Intense Two-Color Circularly Polarized Laser Fields. , 2016, , .		0
147	Direct observation of efficient heat dissipation in close-packed nanoheaters using coherent EUV beams. , 2016, , .		0
148	Multiple Beam Ptychography for High Throughput Data Acquisition. , 2016, , .		0
149	Impulsively Excited Surface Phononic Crystals: A Route Toward Novel Sensing Schemes. IEEE Sensors Journal, 2015, 15, 5142-5150.	4.7	23
150	Spatial, spectral, and polarization multiplexed ptychography. Optics Express, 2015, 23, 30250.	3.4	26
151	Controlling the electronic structure of graphene using surface-adsorbate interactions. Physical Review B, 2015, 92, .	3.2	8
152	Attosecond Coherent Control of Single and Double Photoionization in Argon. Physical Review Letters, 2015, 115, 173004.	7.8	13
153	Group-velocity mismatch effect in high-order harmonic generation. , 2015, , .		0
154	Mapping ultrafast dynamics of highly excited D_{2+} by ultrashort XUV pump - IR probe radiation. Journal of Physics: Conference Series, 2015, 635, 112080.	0.4	0
155	Bright Isolated Attosecond Soft X-Ray Pulses. Springer Proceedings in Physics, 2015, , 95-98.	0.2	1
156	Bright circularly polarized soft X-ray high harmonics for X-ray magnetic circular dichroism. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14206-14211.	7.1	235
157	Ultraviolet surprise: Efficient soft x-ray high-harmonic generation in multiply ionized plasmas. Science, 2015, 350, 1225-1231.	12.6	165
158	Femtosecond-laser-induced modifications in Co/Pt multilayers studied with tabletop resonant magnetic scattering. Europhysics Letters, 2015, 109, 17001.	2.0	3
159	High contrast 3D imaging of surfaces near the wavelength limit using tabletop EUV ptychography. Ultramicroscopy, 2015, 158, 98-104.	1.9	81
160	Mechanical and thermal properties of nanomaterials at sub-50nm dimensions characterized using coherent EUV beams. , 2015, , .		0
161	Solvents Effects on Charge Transfer from Quantum Dots. Journal of the American Chemical Society, 2015, 137, 3759-3762.	13.7	29
162	Strong-field ionization with two-color circularly polarized laser fields. Physical Review A, 2015, 91, .	2.5	124

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163	A new regime of nanoscale thermal transport: Collective diffusion increases dissipation efficiency. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4846-4851.	7.1	170
164	Non-collinear generation of angularly isolated circularly polarized high harmonics. Nature Photonics, 2015, 9, 743-750.	31.4	216
165	Bright Circularly Polarized Soft X-Ray High Harmonics for X-Ray Magnetic Circular Dichroism. , 2015, , .		3
166	Circularly Polarized Soft X-Ray High Harmonics and XMCD on a Tabletop. , 2015, , .		0
167	Generation of bright phase-matched circularly-polarized extreme ultraviolet high harmonics. Nature Photonics, 2015, 9, 99-105.	31.4	403
168	X-Ray Magnetic Circular Dichroism Probed Using High Harmonics. Springer Proceedings in Physics, 2015, , 60-63.	0.2	1
169	A New Regime of Nanoscale Thermal Transport: Collective Diffusion Counteracts Dissipation Inefficiency. Springer Proceedings in Physics, 2015, , 341-344.	0.2	3
170	Reflection Mode Tabletop Coherent Diffraction Imaging of Buried Nanostructures. , 2015, , .		2
171	Coherent High Harmonic X-ray Beams and Applications in Coherent Imaging and Spectroscopy. , 2015, , .		0
172	Direct Observation of Rescattering from Strong Field Ionization by Two-Color Circularly Polarized Laser Fields. , 2015, , .		0
173	Probing Ultrafast Magnetization Dynamics using Bright Circularly Polarized High Harmonics. , 2015, , .		0
174	High Numerical Aperture Reflection Mode Coherent Diffractive Imaging of Nano-Patterned Surfaces using a Tabletop Extreme Ultraviolet Source. , 2015, , .		0
175	High-Contrast 3D Surface Topographic Imaging With Near Wavelength-Limited Resolution Using Ptychography. , 2015, , .		0
176	Impulsively excited Surface Phononic Crystals: A route towards novel sensing schemes. , 2014, , .		1
177	High Peak and Average Power Near/Mid-IR Femtosecond Laser Sources. , 2014, , .		0
178	Quantitative Tabletop EUV Phase-Contrast, Coherent Diffraction Imaging Microscope. , 2014, , .		0
179	Ultrafast electronic structures and dynamics of CdSe nanocrystals revealed by gas phase time-resolved photoelectron spectroscopy. , 2014, , .		0
180	High fidelity, general reflection-mode coherent diffractive imaging with a tabletop EUV source. , 2014, , .		0

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181	Bright High Order Harmonic Generation in a Multiply Ionized Plasma up to the Water Window. , 2014, , .		0
182	Tabletop nanometer extreme ultraviolet imaging in an extended reflection mode using coherent Fresnel ptychography. Optica, 2014, 1, 39.	9.3	133
183	High flux coherent super-continuum soft X-ray source driven by a single-stage, 10mJ, Ti:sapphire amplifier-pumped OPA. Optics Express, 2014, 22, 6194.	3.4	52
184	Attosecond vacuum UV coherent control of molecular dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 912-917.	7.1	116
185	Generation of bright isolated attosecond soft X-ray pulses driven by multicycle midinfrared lasers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2361-7.	7.1	116
186	Mapping Nanoscale Absorption of Femtosecond Laser Pulses Using Plasma Explosion Imaging. ACS Nano, 2014, 8, 8810-8818.	14.6	30
187	Observation and Control of Shock Waves in Individual Nanoplasmas. Physical Review Letters, 2014, 112, 115004.	7.8	43
188	Time- and angle-resolved photoemission spectroscopy with optimized high-harmonic pulses using frequency-doubled Ti:Sapphire lasers. Journal of Electron Spectroscopy and Related Phenomena, 2014, 195, 231-236.	1.7	95
189	Magnetic Circular Dichroism Probed with Bright High-order Harmonics. , 2014, , .		0
190	High Repetition Rate, mJ-Level, mid-IR OPCPA System. , 2014, , .		1
191	Quantitative tabletop coherent diffraction imaging microscope for EUV lithography mask inspection. Proceedings of SPIE, 2014, , .	0.8	3
192	Mechanisms on the Photoelectron Angular Distributions of Atoms Ionized in Mid-Infrared Laser Fields. Journal of Physics: Conference Series, 2014, 488, 032040.	0.4	0
193	Ultrafast Dynamics of Individual, Isolated Nanoparticles and Nanoplasmas in Intense Laser Fields. , 2014, , .		0
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