# Uwe Morgner

## List of Publications by Year in descending order

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Version: 2024-02-01

| 374 | 10,609 | 44444 | 45040 |
|---|---|---|---|
| papers | citations | 50 h-index | 94 g-index |

| 381 | 381 | 381 | 7128 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | All-optical attoclock for imaging tunnelling wavepackets. Nature Physics, 2022, 18, 417-422. | 6.5 | 12 |
| 2 | Heteronuclear soliton molecules with two frequencies. Physical Review A, 2022, 105, . | 1.0 | 17 |
| 3 | 4D spatio-temporal electric field characterization of ultrashort light pulses undergoing filamentation. Optics Express, 2022, 30, 27938. | 1.7 | 2 |
| 4 | A stabilized doubly resonant optical parametric oscillator for strong-field applications. , 2021, , . | | 0 |
| 5 | Writing Photonic Components in Polymers Using Femtosecond Pulses. , 2021, , . | | 0 |
| 6 | Population difference gratings created on vibrational transitions by nonoverlapping subcycle THz pulses. Scientific Reports, 2021, 11, 1961. | 1.6 | 25 |
| 7 | Dynamic focus shaping with mixed-aperture coherent beam combining. Optics Letters, 2021, 46, 1660. | 1.7 | 9 |
| 8 | Single-cycle pulse compression in dense resonant media. Optics Express, 2021, 29, 10134. | 1.7 | 13 |
| 9 | Fast-tunable femtosecond visible radiation via sum-frequency generation from a high power NIR NOPO. Optics Express, 2021, 29, 22366. | 1.7 | 6 |
| 10 | A Stabilized Doubly Resonant OPO for THz Applications. , 2021, , . | | 0 |
| 11 | Photonic components in polymers made by femtosecond pulses. , 2021, , . | | 0 |
| 12 | Towards efficient broadband difference frequency mixing and terahertz generation in metallic nanostructures. , 2021, , . | | 0 |
| 13 | Towards Sub-10-fs Visible Î¼J Pulses at 1 MHz Repetition Rate From an Optical Parametric Amplifier. , 2021, , . | | 1 |
| 14 | Unidirectional currents in asymmetric nanojunctions and electronic wavepacket interference. , 2021, , . | | 0 |
| 15 | Femtosecond Fieldâ€Driven Onâ€Chip Unidirectional Electronic Currents in Nonadiabatic Tunneling Regime. Laser and Photonics Reviews, 2021, 15, 2000475. | 4.4 | 10 |
| 16 | Study of Third Harmonic Generation From Thin Gradient HfxAlyOz Layers. , 2021, , . | | 0 |
| 17 | Writing 3D Waveguides With Femtosecond Pulses in Polymers. Journal of Lightwave Technology, 2021, 39, 4390-4394. | 2.7 | 13 |
| 18 | Widely tunable, high-power, femtosecond noncollinear optical parametric oscillator in the visible spectral range. Photonics Research, 2021, 9, 1715. | 3.4 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Role of frequency dependence of the nonlinearity on a solitonâ€™s evolution in photonic crystal fibers. Optics Letters, 2021, 46, 3921. | 1.7 | 1 |
| 20 | Real-time stimulated Raman spectroscopy with a non-collinear optical parametric oscillator. Optics Express, 2021, 29, 31499. | 1.7 | 6 |
| 21 | Towards Sub-10-fs Pulses at 1 MHz Repetition Rate From an Optical Parametric Amplifier in the Visible Spectral Range. , 2021, , . | | 0 |
| 22 | Kerr-lens Mode-locked, Synchronously Pumped, Ultra-broadband Breathing Pulse Optical Parametric Oscillator. , 2021, , . | | 0 |
| 23 | Manufacturing and characterization of frequency tripling mirrors. , 2021, , . | | 1 |
| 24 | Influence of tunnel ionization to third-harmonic generation of infrared femtosecond laser pulses in air. Scientific Reports, 2020, 10, 17437. | 1.6 | 5 |
| 25 | All-optical supercontinuum switching. Communications Physics, 2020, 3, . | 2.0 | 13 |
| 26 | A synchronized VUV light source based on high-order harmonic generation at FLASH. Scientific Reports, 2020, 10, 6867. | 1.6 | 8 |
| 27 | Progressive Self-Boosting Anapole-Enhanced Deep-Ultraviolet Third Harmonic During Few-Cycle Laser Radiation. ACS Photonics, 2020, 7, 1655-1661. | 3.2 | 10 |
| 28 | Carrier-Envelope Offset Frequency Stabilization of a Thin-Disk Laser Oscillator via Depletion Modulation. IEEE Photonics Journal, 2020, 12, 1-9. | 1.0 | 6 |
| 29 | Manipulation of infrared dispersive waves in customized microstructured optical fibers for 1.7 and 2.0â€‰â€‰Âµm light sources. Applied Optics, 2020, 59, 9015. | 0.9 | 5 |
| 30 | Mode-locked pulses from a Thulium-doped fiber Mamyshev oscillator. Optics Express, 2020, 28, 13837. | 1.7 | 23 |
| 31 | Selective ultrafast control of multi-level quantum systems by subcycle and unipolar pulses. Optics Express, 2020, 28, 17020. | 1.7 | 51 |
| 32 | Higher-order dispersion and the spectral behavior in a doubly resonant optical parametric oscillator. Optics Letters, 2020, 45, 5644. | 1.7 | 8 |
| 33 | Coherent beam combining with micro-lens arrays. Optics Letters, 2020, 45, 6728. | 1.7 | 15 |
| 34 | Extraction of internal phase motions in femtosecond soliton molecules using an orbital-angular-momentum-resolved method. Photonics Research, 2020, 8, 1580. | 3.4 | 4 |
| 35 | Amplification of ultrafast pulses in an extended Mamyshev regenerator. , 2020, , . | | 1 |
| 36 | Synchronized HHG based source at FLASH. , 2020, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Self-Generation of Two-Frequency Molecules via the Raman Effect. , 2020, , . | | 0 |
| 38 | Heteronuclear Two Frequency Soliton Molecules. , 2020, , . | | 0 |
| 39 | Unipolar half-cycle pulses and their applications for efficient excitation and selective ultrafast control of atomic systems. , 2020, , . | | 0 |
| 40 | Kerr-lens mode locked, synchronously pumped, ultra-broadband breathing pulse optical parametric oscillator. EPJ Web of Conferences, 2020, 243, 18002. | 0.1 | 0 |
| 41 | A synchronized VUV beamline for time domain two-color dynamic studies at FLASH2. , 2020, , . | | 0 |
| 42 | Femtosecond laser-induced plasma evolution studies via third-harmonic enhancement in atomic and molecular gases. , 2020, , . | | 0 |
| 43 | Dynamic coherent beam combining based on a setup of microlens arrays. , 2020, , . | | 3 |
| 44 | High-repetition rate, mid-infrared, picosecond pulse generation with ÂµJ-energies based on OPG/OPA schemes in 2-Âµm-pumped ZnGeP2. Optics Express, 2020, 28, 21499. | 1.7 | 5 |
| 45 | Stability of quantum linear logic circuits against perturbations. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 445307. | 0.7 | 3 |
| 46 | OptFROG â€" Analytic signal spectrograms with optimized timeâ€“frequency resolution. SoftwareX, 2019, 10, 100275. | 1.2 | 12 |
| 47 | Non-Collinear Optical Parametric Oscillator for Video Rate Stimulated Raman Spectroscopy of Microplastics. , 2019, , . | | 0 |
| 48 | Single Color Event Horizon in a Photonic Crystal Fibre. , 2019, , . | | 0 |
| 49 | The Continuum Mechanics of Soliton Collisions. , 2019, , . | | 0 |
| 50 | Generating Ultrabroadband Deep-UV Radiation and Sub-10 nm Gap by Hybrid-Morphology Gold Antennas. Nano Letters, 2019, 19, 4779-4786. | 4.5 | 15 |
| 51 | Terahertz radiation generation by three-color laser pulses in air filament. Journal of Applied Physics, 2019, 125, . | 1.1 | 36 |
| 52 | Nanoscale Broadband Deep-Ultraviolet Light Source from Plasmonic Nanoholes. ACS Photonics, 2019, 6, 858-863. | 3.2 | 17 |
| 53 | The concept of laser-based conversion electron MÃ¶ssbauer spectroscopy for a precise energy determination of 229mTh. Hyperfine Interactions, 2019, 240, 1. | 0.2 | 8 |
| 54 | Multivariate discrimination of heat shock proteins using a fiber optic Raman setup for in situ analysis of human perilymph. Review of Scientific Instruments, 2019, 90, 043110. | 0.6 | 2 |

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|---|---|---|---|
| 55 | Versatile Control of Be+9 Ions Using a Spectrally Tailored UV Frequency Comb. Physical Review Letters, 2019, 122, 123606. | 2.9 | 8 |
| 56 | High-Energy Ultrafast Yb-Fiber Laser System Based on a Mamyshev Regenerator. , 2019, , . | | 0 |
| 57 | Studying the Role of Nonlinear Medium Thickness in the Characterization of 1.5-Cycle Pulses using XPW Dispersion Scan. , 2019, , . | | 0 |
| 58 | Characterization of 8 fs Deep-UV Pulses using XPW Dispersion Scan. , 2019, , . | | 0 |
| 59 | Generation of Broadband Deep-Ultraviolet Light Source by Rectangular Plasmonic Nanoholes with Multi-Resonances. , 2019, , . | | 0 |
| 60 | High Repetition Rate, Wavelength-Tunable Mid-IR Source Driven by ps-Pulses from a Ho:YLF Amplifier at 2 Ï¼m. , 2019, , . | | 0 |
| 61 | Two-Color Soliton Molecules. , 2019, , . | | 0 |
| 62 | Video-Rate Phase Retrievals from Dispersion Scan Traces using Artificial Neural Networks. , 2019, , . | | 0 |
| 63 | Threshold Effects and Metastability in Solitary Refractive Index Wells. , 2019, , . | | 0 |
| 64 | Controlling the Temporal Trajectory of Solitons in Silver Nanoparticle Doped Fibre. , 2019, , . | | 1 |
| 65 | Soliton Molecules with Two Frequencies. Physical Review Letters, 2019, 123, 243905. | 2.9 | 70 |
| 66 | Propagation Effects in the Characterization of 1.5-Cycle Pulses by XPW Dispersion Scan. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7. | 1.9 | 14 |
| 67 | Filamentation-assisted plasma lifetime measurements in atomic and molecular gases via third-harmonic enhancement. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 3505. | 0.9 | 7 |
| 68 | Rapid phase retrieval of ultrashort pulses from dispersion scan traces using deep neural networks. Optics Letters, 2019, 44, 979. | 1.7 | 32 |
| 69 | Unipolar subcycle pulse-driven nonresonant excitation of quantum systems. Optics Letters, 2019, 44, 1202. | 1.7 | 68 |
| 70 | Full characterization of 8â€‰â€‰fs deep UV pulses via a dispersion scan. Optics Letters, 2019, 44, 2498. | 1.7 | 4 |
| 71 | Contrast improvement of sub-4â€‰â€‰fs laser pulses using nonlinear elliptical polarization rotation. Optics Letters, 2019, 44, 4028. | 1.7 | 17 |
| 72 | Strong-Field Ultrafast Optics and Nanofabrication using Plasmonic Metasurfaces. , 2019, , . | | 0 |

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|---|---|---|---|
| 73 | Fiber event horizon by single color pump. , 2019, , . | | 1 |
| 74 | Application of Artificial Neural Networks to Dispersion Scan Retrievals. , 2019, , . | | 0 |
| 75 | CPA-free amplification of sub-10 ps pulses in Ho:YLF to the mJ-level at 2 Âµm wavelength. , 2019, , . | | 0 |
| 76 | Field enhancement in a doubly resonant optical parametric oscillator. Optics Letters, 2019, 44, 4909. | 1.7 | 3 |
| 77 | Sub-50â€‰â€‰fs, ÂµJ-level pulses from a Mamyshev oscillatorâ€“amplifier system. Optics Letters, 2019, 44, 5973. | 1.7 | 23 |
| 78 | Impact of Plasmon-Induced Atoms Migration in Harmonic Generation. ACS Photonics, 2018, 5, 1208-1214. | 3.2 | 9 |
| 79 | Resonant-Plasmon-Assisted Subwavelength Ablation by a Femtosecond Oscillator. Physical Review Applied, 2018, 9, . | 1.5 | 7 |
| 80 | Trimodal system for in vivo skin cancer screening with combined optical coherence tomographyâ€Raman and colocalized optoacoustic measurements. Journal of Biophotonics, 2018, 11, e201700288. | 1.1 | 34 |
| 81 | Compact 200 kHz HHG source driven by a few-cycle OPCPA. Journal of Optics (United Kingdom), 2018, 20, 014007. | 1.0 | 47 |
| 82 | Optimum chirp for efficient terahertz generation from two-color femtosecond pulses in air. Applied Physics Letters, 2018, 113, . | 1.5 | 33 |
| 83 | High repetition rate, ÂµJ-level, CPA-free ultrashort pulse multipass amplifier based on Ho:YLF. Optics Express, 2018, 26, 18125. | 1.7 | 5 |
| 84 | Microstructured fiber cladding light stripper for kilowatt-class laser systems. Applied Optics, 2018, 57, 6640. | 0.9 | 19 |
| 85 | Polarization control of terahertz radiation from two-color femtosecond gas breakdown plasma. Optics Letters, 2018, 43, 90. | 1.7 | 30 |
| 86 | Polymer Based Whispering Gallery Mode Humidity Sensor. Sensors, 2018, 18, 2383. | 2.1 | 18 |
| 87 | Accurate propagation of ultrashort pulses in nonlinear waveguides using propagation models for the analytic signal. , 2018, , . | | 2 |
| 88 | XPW and SHG d-scan characterization of sub-1.5-cycle pulses. , 2018, , . | | 0 |
| 89 | Spatio-temporal characterization and optimization of a 200-kHz OPCPA laser system. , 2018, , . | | 0 |
| 90 | Ultrashort pulse CPA-free Ho:YLF linear amplifier. , 2018, , . | | 0 |

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|---|---|---|---|
| 91 | Millijoule-level, kilohertz-rate, CPA-free linear amplifier for 2â€‰â€‰Î¼m ultrashort laser pulses. Optics Letters, 2018, 43, 5857. | 1.7 | 5 |
| 92 | Terahertz and higher-order Brunel harmonics: from tunnel to multiphoton ionization regime in tailored fields. Journal of Modern Optics, 2017, 64, 1078-1087. | 0.6 | 28 |
| 93 | Near-infrared conical emission from 800â€‰nm filament in air. Laser Physics Letters, 2017, 14, 035401. | 0.6 | 6 |
| 94 | Simple route toward efficient frequency conversion for generation of fully coherent supercontinua in the mid-IR and UV range. Light: Science and Applications, 2017, 6, e16218-e16218. | 7.7 | 21 |
| 95 | Comparative study of presurgical skin infiltration depth measurements of melanocytic lesions with OCT and high frequency ultrasound. Journal of Biophotonics, 2017, 10, 854-861. | 1.1 | 32 |
| 96 | Population density gratings induced by few-cycle optical pulses in a resonant medium. Scientific Reports, 2017, 7, 12467. | 1.6 | 39 |
| 97 | Development of a combined OCT-Raman probe for the prospective in vivo clinical melanoma skin cancer screening. Review of Scientific Instruments, 2017, 88, 105103. | 0.6 | 33 |
| 98 | Efficient procedure for the measurement of preresonant excitation profiles in UV Raman spectroscopy. Review of Scientific Instruments, 2017, 88, 073105. | 0.6 | 5 |
| 99 | All-polymer whispering gallery mode sensor for application in optofluidics. Optical Data Processing and Storage, 2017, 3, . | 3.3 | 2 |
| 100 | Symmetry Breaking and Strong Persistent Plasma Currents via Resonant Destabilization of Atoms. Physical Review Letters, 2017, 119, 243202. | 2.9 | 2 |
| 101 | Investigating the origin of third harmonic generation from diabolo optical antennas. Applied Physics Letters, 2017, 111, 173102. | 1.5 | 4 |
| 102 | Regularizing Aperiodic Cycles of Resonant Radiation in Filament Light Bullets. Physical Review Letters, 2017, 118, 163901. | 2.9 | 17 |
| 103 | Compact 200 kHz HHG source driven by a few-cycle OPCPA. , 2017, , . | | 2 |
| 104 | Polymer WGM arrays for optical sensing applications. , 2017, , . | | 0 |
| 105 | Low-loss curved waveguides in polymers written with a femtosecond laser. Optics Express, 2017, 25, 263. | 1.7 | 42 |
| 106 | Harmonically mode-locked Yb:CALGO laser oscillator. Optics Express, 2017, 25, 14164. | 1.7 | 6 |
| 107 | Self-optimization of plasmonic nanoantennas in strong femtosecond fields. Optica, 2017, 4, 1038. | 4.8 | 25 |
| 108 | Mode-locked Ho-doped laser with subsequent diode-pumped amplifier in an all-fiber design operating at 2052 nm. Optics Express, 2017, 25, 20522. | 1.7 | 30 |

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|---|---|---|---|
| 109 | Multitrack writing for straight and curved waveguides in polymers with a femtosecond laser. , 2017, , . | | 0 |
| 110 | Parametric amplification of few-optical-cycle pulses. , 2017, , . | | 0 |
| 111 | Optical properties of the human round window membrane. Journal of Biomedical Optics, 2017, 22, 1. | 1.4 | 1 |
| 112 | Generation of unipolar half-cycle pulses via unusual reflection of a single-cycle pulse from an optically thin metallic or dielectric layer. Optics Letters, 2017, 42, 2189. | 1.7 | 60 |
| 113 | Relativistic-intensity 1.3 optical cycle laser pulses at 1kHz from a stretched hollow-fiber compressor. , 2017, , . | | 0 |
| 114 | Fourier-transform spectral interferometry for in situ group delay dispersion monitoring of thin film coating processes. Optics Express, 2016, 24, 22516. | 1.7 | 8 |
| 115 | Characterization of femtosecond laser written gratings in PMMA using a phase-retrieval approach. Optical Materials Express, 2016, 6, 3202. | 1.6 | 13 |
| 116 | The Effect of Chirp on Pulse Compression at a Group Velocity Horizon. IEEE Photonics Journal, 2016, 8, 1-13. | 1.0 | 7 |
| 117 | Improved LIDT values for dielectric dispersive compensating mirrors applying ternary composites. , 2016, , . | | 1 |
| 118 | Roadmap on optical rogue waves and extreme events. Journal of Optics (United Kingdom), 2016, 18, 063001. | 1.0 | 225 |
| 119 | Multipass OPCPA system at 100 kHz pumped by a CPA-free solid-state amplifier. Optics Express, 2016, 24, 8074. | 1.7 | 9 |
| 120 | Comparison between Tm:YAP and Ho:YAG ultrashort pulse regenerative amplification. Optics Express, 2016, 24, 8632. | 1.7 | 9 |
| 121 | Revealing the Microscopic Real-Space Excursion of a Laser-Driven Electron. Physical Review X, 2016, 6, . | 2.8 | 7 |
| 122 | Controlling formation and suppression of fiber-optical rogue waves. Optics Letters, 2016, 41, 3515. | 1.7 | 16 |
| 123 | Surface-immobilized whispering gallery mode resonator spheres for optical sensing. Sensors and Actuators A: Physical, 2016, 252, 82-88. | 2.0 | 7 |
| 124 | Simple model to simulate OCT-depth signal in weakly and strongly scattering homogeneous media. Journal of Optics (United Kingdom), 2016, 18, 125302. | 1.0 | 11 |
| 125 | Cascaded-focus laser writing of low-loss waveguides in polymers. Optics Letters, 2016, 41, 1269. | 1.7 | 33 |
| 126 | UV-resonance Raman spectroscopy of amino acids. , 2016, , . | | 0 |

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|---|---|---|---|
| 127 | All-polymer whispering gallery mode sensor system. Optics Express, 2016, 24, 6052. | 1.7 | 11 |
| 128 | High Energy/High Repetition Rate Laser Pulses from Yb Based Solid State Oscillators with Cavity-Dumping and Regenerative Amplifiers. Springer Series in Optical Sciences, 2016, , 3-22. | 0.5 | 0 |
| 129 | Kerr-lens mode-locked Yb3+:Lu2O3 thin-disk laser. , 2016, , . | | 4 |
| 130 | Efficient fast-tunable femtosecond visible radiation based on intracavity sum-frequency generation in a NIR NOPO. , 2016, , . | | 4 |
| 131 | Ultrafast creation and control of population density gratings via ultraslow polarization waves. Optics Letters, 2016, 41, 4983. | 1.7 | 43 |
| 132 | Few-cycle optical pulse characterization via cross-polarized wave generation dispersion scan technique. Optics Letters, 2016, 41, 5246. | 1.7 | 23 |
| 133 | High-order harmonics as a nonlinear tool to track pulse-dynamics along a filament. , 2016, , . | | 0 |
| 134 | Collapse regularization of filaments by resonant radiation. , 2016, , . | | 0 |
| 135 | Higher order soliton breakup via implosion. , 2016, , . | | 0 |
| 136 | Power and Energy Scaling of a Few-Cycle High Power OPCPA System with Adjustable Repetition Rate from 0.2 - 4 MHz. , 2016, , . | | 0 |
| 137 | Low-loss embedded waveguides in PMMA written by a femtosecond laser. , 2016, , . | | 0 |
| 138 | Few-cycle pulse characterization using XPW d-scan. , 2016, , . | | 0 |
| 139 | 18 ÂµJ multi-pass OPCPA system at 100 kHz pumped by a CPA-free Nd:YVO_4 amplifier. , 2016, , . | | 0 |
| 140 | Probing the Electronic Excursion during High-Order Harmonic Generation. , 2016, , . | | 0 |
| 141 | Full characterization of few-cycle pulses using cross-polarized wave generation d-scan technique. , 2016, , . | | 0 |
| 142 | Few-Cycle High-Repetition Rate OPCPA For Multiphoton PEEM Towards Atto-PEEM. , 2016, , . | | 0 |
| 143 | Ultrafast spectral switching of a Non-collinear Optical Parametric Oscillator (NOPO). , 2016, , . | | 1 |
| 144 | Boosting Terahertz Generation in Laser-Field Ionized Gases Using a Sawtooth Wave Shape. Physical Review Letters, 2015, 114, 183901. | 2.9 | 87 |

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|---|---|---|---|
| 145 | Precise fabrication of ultra violet dielectric dispersion compensating mirrors. , 2015, , . | | 2 |
| 146 | Direct in situ GDD measurement in optical coating process. , 2015, , . | | 6 |
| 147 | Noninstantaneous polarization dynamics in dielectric media. Optica, 2015, 2, 151. | 4.8 | 18 |
| 148 | Impact of spatial inhomogeneities on on-axis pulse reconstruction in femtosecond filaments. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 094002. | 0.6 | 1 |
| 149 | Carrier-envelope phase dependent high-order harmonic generation with a high-repetition rate OPCPA-system. European Physical Journal D, 2015, 69, 1. | 0.6 | 31 |
| 150 | 500 kHz OPCPA delivering tunable sub-20 fs pulses with 15 W average power based on an all-ytterbium laser. Optics Express, 2015, 23, 1491. | 1.7 | 49 |
| 151 | Analysis of the modal evolution in fused-type mode-selective fiber couplers. Optics Express, 2015, 23, 22977. | 1.7 | 18 |
| 152 | 700 MW peak power of a 380 fs regenerative amplifier with Tm:YAP. Optics Express, 2015, 23, 16884. | 1.7 | 24 |
| 153 | Cladded self-written multimode step-index waveguides using a one-polymer approach. Optics Letters, 2015, 40, 1830. | 1.7 | 34 |
| 154 | Few-cycle and phase stable OPCPA systems with high repetition rate. , 2015, , . | | 0 |
| 155 | 500 kHz OPCPA-Based UV-XUV Light Source For Time-Resolved Photoemission Spectroscopy. , 2015, , . | | 0 |
| 156 | Comparison Between Tm:YAP and Ho:YAG Ultrashort Pulse Regenerative Amplification. , 2015, , . | | 0 |
| 157 | Direct observation of pulse splitting dynamics and self-compression along a femtosecond filament. , 2014, , . | | 0 |
| 158 | Supercontinuum generation by multiple scatterings at a group velocity horizon. Optics Express, 2014, 22, 3866. | 1.7 | 28 |
| 159 | Tunable single-cycle pulse compression at the group-velocity horizon. , 2014, , . | | 0 |
| 160 | Fingerprint of Self-Compression in the High Harmonic Spectrum from a Filament. , 2014, , . | | 0 |
| 161 | Pulse characterization by THG d-scan in absorbing nonlinear media. Optics Express, 2014, 22, 5234. | 1.7 | 17 |
| 162 | High repetition rate XUV laser source based on OPCPA for photoemission electron microscopy applications. , 2014, , . | | 0 |

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|---|---|---|---|
| 163 | Compression of CEP-stable multi-mJ laser pulses down to 4â€‰fs in long hollow fibers. Laser Physics Letters, 2014, 11, 095401. | 0.6 | 99 |
| 164 | All-optical transistor operation in a fiber by a group velocity horizon. , 2014, , . | | 0 |
| 165 | Compact, high-repetition-rate OPCPA system for high harmonic generation. , 2014, , . | | 0 |
| 166 | Direct observation of pulse dynamics and self-compression along a femtosecond filament. Optics Express, 2014, 22, 22905. | 1.7 | 16 |
| 167 | Nanoâ€antennae assisted emission of extreme ultraviolet radiation. Annalen Der Physik, 2014, 526, 119-134. | 0.9 | 10 |
| 168 | Adjustable pulse compression scheme for generation of few-cycle pulses in the midinfrared. Optics Letters, 2014, 39, 2735. | 1.7 | 23 |
| 169 | Generation of high harmonics and attosecond pulses with ultrashort laser pulse filaments and conical waves. Pramana - Journal of Physics, 2014, 83, 221-230. | 0.9 | 5 |
| 170 | Analysis of the Coupling Mechanism in Asymmetric Fused Fiber Couplers. Journal of Lightwave Technology, 2014, 32, 2382-2391. | 2.7 | 11 |
| 171 | Direct observation of pulse dynamics, influencing high-order harmonic emission along a filament. , 2014, , . | | 0 |
| 172 | Controlling rogue wave statistics. , 2014, , . | | 0 |
| 173 | Non-instantaneous polarization decay in dielectric media. , 2014, , . | | 0 |
| 174 | Modal Analysis in Fused-Type Mode-Selective Fiber Couplers. , 2014, , . | | 0 |
| 175 | Gold Bowtie Nanoantennas Generating UV. , 2014, , . | | 0 |
| 176 | Fiber-Slab-Pumped OPCPA for XUV-Based Time-Resolved Photoelectron Spectroscopy at 500 kHz Repetition Rate. , 2014, , . | | 0 |
| 177 | CEP dependent high-order harmonic generation at 200 kHz repetition rate. , 2014, , . | | 0 |
| 178 | Modal Decomposition in Asymmetric Wavelength-Selective Fused Fiber Couplers. , 2014, , . | | 0 |
| 179 | Broadband-cascaded four-wave mixing in a photonic crystal fiber around 1ÂÎ¼m. Applied Physics B: Lasers and Optics, 2013, 110, 299-302. | 1.1 | 10 |
| 180 | Spatial contributions of electron trajectories to high-order-harmonic radiation originating from a semi-infinite gas cell. Physical Review A, 2013, 88, . | 1.0 | 9 |

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|---|---|---|---|
| 181 | Nano-antenna-assisted harmonic generation. Applied Physics B: Lasers and Optics, 2013, 113, 75-79. | 1.1 | 18 |
| 182 | High-order-harmonic generation from dense water microdroplets. Physical Review A, 2013, 87, . | 1.0 | 20 |
| 183 | Bow-tie nano-antenna assisted generation of extreme ultraviolet radiation. New Journal of Physics, 2013, 15, 093027. | 1.2 | 60 |
| 184 | Temporal and spatial effects inside a compact and CEP stabilized, few-cycle OPCPA system at high repetition rates. Optics Express, 2013, 21, 29656. | 1.7 | 25 |
| 185 | Impact of temporal, spatial and cascaded effects on the pulse formation in ultra-broadband parametric amplifiers. Optics Express, 2013, 21, 949. | 1.7 | 59 |
| 186 | Ultra-stable fiber pumped CEP-stabilized dual stage OPCPA system. , 2013, , . | | 0 |
| 187 | Investigations on positively chirped pulses in a thulium-doped fiber laser. , 2013, , . | | 0 |
| 188 | Analysis of gold nanoantennas utilising plasmonic field enhancement for high-order harmonic generation. , 2013, , . | | 0 |
| 189 | Stimulated Raman scattering with a rapidly tunable non-collinear optical parametric oscillator. , 2013, , . | | 0 |
| 190 | Impact of parasitic, cascaded, and spatial effects to the spatio-temporal pulse shaping dynamics in optical parametric amplifiers. , 2013, , . | | 0 |
| 191 | Experimental and numerical investigations on asymmetric fused fibre couplers consisting of different single-mode fibres. , 2013, , . | | 0 |
| 192 | 4-f Prism-based pulse shaper supporting single-cycle pulses in the visible. , 2013, , . | | 0 |
| 193 | Efficient spectral broadening of multi-mJ pulses in long hollow fibers. , 2013, , . | | 0 |
| 194 | First Measurement of the Non-instantaneous Response Time of a Ï‡(3)Nonlinear Optical Effect. EPJ Web of Conferences, 2013, 41, 12005. | 0.1 | 2 |
| 195 | Towards characterization and compression of 1.5 octaves spectrum spanning from VIS to IR from two-color pumped OPCPA system. , 2013, , . | | 0 |
| 196 | Fiber based dispersion management in an ultrafast thulium-doped fiber laser and external compression with a normal dispersive fiber. , 2012, , . | | 0 |
| 197 | Two-photon polymerization technique with sub-50 nm resolution by sub-10 fs laser pulses. Optical Materials Express, 2012, 2, 942. | 1.6 | 98 |
| 198 | High power ultra-widely tuneable femtosecond pulses from a non-collinear optical parametric oscillator (NOPO). Optics Express, 2012, 20, 912. | 1.7 | 45 |

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|---|---|---|---|
| 199 | Sub-15-cycle pulses from a single filament. Optics Express, 2012, 20, 24049. | 1.7 | 5 |
| 200 | Pulse duration and energy scaling of femtosecond all-normal dispersion fiber oscillators. Optics Express, 2012, 20, 3844. | 1.7 | 19 |
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