

J-P Wolf

List of Publications by Year in descending order

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Version: 2024-02-01

309
papers

13,358
citations

28190

55
h-index

27345

106
g-index

323
all docs

323
docs citations

323
times ranked

8683
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Temperature measurements of liquid flat jets in vacuum. <i>Structural Dynamics</i> , 2022, 9, 014901. | 0.9 | 8 |
| 2 | Tracking chemical reaction using soft-X-ray absorption spectroscopy with a table-top water-window X-ray source. , 2021, , . | | 0 |
| 3 | Energy-time-entangled two-photon molecular absorption. <i>Physical Review A</i> , 2021, 103, . | 1.0 | 46 |
| 4 | Ultrafast pulse shaping modulates perceived visual brightness in living animals. <i>Science Advances</i> , 2021, 7, . | 4.7 | 2 |
| 5 | CLEO®/Europe-EQEC 2021, One Page Summary Template (Multi-order Nonlinear Mixing in Dielectric) Tj ETQq1 1 0.784314 ggBT /Over | | |
| 6 | Laser lightning rod and artificial fog dissipation. , 2021, , . | | 0 |
| 7 | Laser induced aerosol formation mediated by resonant excitation of volatile organic compounds. <i>Optica</i> , 2021, 8, 1256. | 4.8 | 5 |
| 8 | The laser lightning rod project. <i>EPJ Applied Physics</i> , 2021, 93, 10504. | 0.3 | 26 |
| 9 | Photocontrolled Release of the Anticancer Drug Chlorambucil with Caged Harmonic Nanoparticles. <i>Helvetica Chimica Acta</i> , 2020, 103, e1900251. | 1.0 | 21 |
| 10 | Multiorde Nonlinear Mixing in Metal Oxide Nanoparticles. <i>Nano Letters</i> , 2020, 20, 8725-8732. | 4.5 | 20 |
| 11 | Dispersion of the nonlinear susceptibility of MoS_2 and WS_2 from second-harmonic scattering spectroscopy. <i>Physical Review B</i> , 2020, 102, . | 1.1 | 6 |
| 12 | Femtosecond Soft-X-ray Absorption Spectroscopy of Liquids with a Water-Window High-Harmonic Source. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1981-1988. | 2.1 | 34 |
| 13 | Wavelength-Selective Nonlinear Imaging and Photo-Induced Cell Damage by Dielectric Harmonic Nanoparticles. <i>ACS Nano</i> , 2020, 14, 4087-4095. | 7.3 | 13 |
| 14 | Molecular quantum wakes for clearing fog. <i>Optics Express</i> , 2020, 28, 11463. | 1.7 | 12 |
| 15 | Dynamics of the femtosecond laser-triggered spark gap. <i>Optics Express</i> , 2020, 28, 24599. | 1.7 | 11 |
| 16 | Molecular Quantum Wakes for Clearing Fog. , 2020, , . | | 0 |
| 17 | Femtosecond soft-X-ray absorption spectroscopy of liquids with a water-window high-harmonic source. , 2020, , . | | 0 |
| 18 | <i>Ab initio</i> calculations of laser-atom interactions revealing harmonics feedback during macroscopic propagation. <i>Physical Review A</i> , 2019, 99, . | 1.0 | 3 |

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|----|---|-----|-----------|
| 19 | Real-time and spatially resolved assessment of pathogens in crops for site-specific pesticide reduction strategies. <i>BIO Web of Conferences</i> , 2019, 15, 01019. | 0.1 | 4 |
| 20 | HV discharges triggered by dual- and triple-frequency laser filaments. <i>Optics Express</i> , 2019, 27, 11339. | 1.7 | 6 |
| 21 | Multi-Wavelength Laser Control of High-Voltage Discharges: From the Laboratory to SÅntis Mountain. , 2019, , . | | 0 |
| 22 | Amplification of intense light fields by nearly free electrons. <i>Nature Physics</i> , 2018, 14, 695-700. | 6.5 | 33 |
| 23 | Bismuth ferrite dielectric nanoparticles excited at telecom wavelengths as multicolor sources by second, third, and fourth harmonic generation. <i>Nanoscale</i> , 2018, 10, 8146-8152. | 2.8 | 14 |
| 24 | Short-pulse lasers for weather control. <i>Reports on Progress in Physics</i> , 2018, 81, 026001. | 8.1 | 58 |
| 25 | OncoCilAirâ„¢: A physiological in vitro platform to assess the efficacy and the toxicity of lung cancer therapeutics. <i>Toxicology Letters</i> , 2018, 295, S122. | 0.4 | 1 |
| 26 | Live cells assessment of opto-poration by a single femtosecond temporal Airy laser pulse. <i>AIP Advances</i> , 2018, 8, 125105. | 0.6 | 9 |
| 27 | Chapter 5 Quantum Aspects of Biophotonics. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2018, , 97-116. | 0.2 | 0 |
| 28 | Modifications of filament spectra by shaped octave-spanning laser pulses. <i>Physical Review A</i> , 2018, 98, . | 1.0 | 1 |
| 29 | Maximizing energy deposition by shaping few-cycle laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 135402. | 0.6 | 4 |
| 30 | Localized plasmonic fields of nanoantennas enhance second harmonic generation from two-dimensional molybdenum disulfide. <i>MRS Communications</i> , 2018, 8, 1029-1036. | 0.8 | 6 |
| 31 | High-order harmonic source spanning up to the oxygen K-edge based on filamentation pulse compression. <i>Optics Express</i> , 2018, 26, 11834. | 1.7 | 47 |
| 32 | Nonlinear THz spectroscopy and simulation of gated graphene. <i>Journal of Physics Communications</i> , 2018, 2, 065016. | 0.5 | 2 |
| 33 | Free space laser telecommunication through fog. <i>Optica</i> , 2018, 5, 1338. | 4.8 | 62 |
| 34 | High-flux Soft X-ray Source for Time-resolved Probing of Magnetization Dynamics in Rare-earth Ferromagnets. , 2018, , . | | 0 |
| 35 | Cell Poration of Fixed and Live Cells by Phase Shaped Femtosecond Pulses. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2018, , 399-400. | 0.2 | 0 |
| 36 | Detection of Trace Amounts of Volatile Organic Compounds via Laser-Induced Condensation. , 2018, , . | | 0 |

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|----|---|-----|-----------|
| 37 | Dielectric Nanoparticles Excited at Telecom Wavelengths as Multiharmonic Multicolor Sources. , 2018, , . | | 0 |
| 38 | Time-resolved x-ray absorption spectroscopy with a water window high-harmonic source. Science, 2017, 355, 264-267. | 6.0 | 292 |
| 39 | Ultrafast Nano-Biophotonics. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 191-212. | 0.2 | 0 |
| 40 | Real-time monitoring of bacterial and organic pollution in a water stream by fluorescence depletion spectroscopy. Applied Physics B: Lasers and Optics, 2017, 123, 1. | 1.1 | 3 |
| 41 | Folate-modified silicon carbide nanoparticles as multiphoton imaging nanoprobe for cancer-cell-specific labeling. RSC Advances, 2017, 7, 27361-27369. | 1.7 | 15 |
| 42 | Assessing the Dynamics of Organic Aerosols over the North Atlantic Ocean. Scientific Reports, 2017, 7, 45476. | 1.6 | 11 |
| 43 | Gas-Solid Phase Transition in Laser Multiple Filamentation. Physical Review Letters, 2017, 118, 133902. | 2.9 | 6 |
| 44 | Time-resolved monitoring of polycyclic aromatic hydrocarbons adsorbed on atmospheric particles. Environmental Science and Pollution Research, 2017, 24, 19517-19523. | 2.7 | 3 |
| 45 | Health state dependent multiphoton induced autofluorescence in human 3D in vitro lung cancer model. Scientific Reports, 2017, 7, 16233. | 1.6 | 10 |
| 46 | HV discharge acceleration by sequences of UV laser filaments with visible and near-infrared pulses. New Journal of Physics, 2017, 19, 123040. | 1.2 | 10 |
| 47 | Strong field transient manipulation of electronic states and bands. Structural Dynamics, 2017, 4, 061505. | 0.9 | 5 |
| 48 | Shockwave-assisted laser filament conductivity. Applied Physics Letters, 2017, 111, 211103. | 1.5 | 1 |
| 49 | Charge separation and carrier dynamics in donor-acceptor heterojunction photovoltaic systems. Structural Dynamics, 2017, 4, 061503. | 0.9 | 13 |
| 50 | Implications of short time scale dynamics on long time processes. Structural Dynamics, 2017, 4, 061507. | 0.9 | 24 |
| 51 | Linearity of charge measurement in laser filaments. Optics Express, 2017, 25, 16517. | 1.7 | 1 |
| 52 | Time-resolved X-ray absorption spectroscopy with a water-window high-harmonic source. , 2017, , . | | 0 |
| 53 | Temporal Airy pulses control cell poration. APL Photonics, 2016, 1, 046102. | 3.0 | 12 |
| 54 | Multi-Order Investigation of the Nonlinear Susceptibility Tensors of Individual Nanoparticles. Scientific Reports, 2016, 6, 25415. | 1.6 | 16 |

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|----|---|------|-----------|
| 55 | Laser vaporization of cirrus-like ice particles with secondary ice multiplication. <i>Science Advances</i> , 2016, 2, e1501912. | 4.7 | 14 |
| 56 | Discriminating Bio-aerosols from Non-Bio-aerosols in Real-Time by Pump-Probe Spectroscopy. <i>Scientific Reports</i> , 2016, 6, 33157. | 1.6 | 5 |
| 57 | High repetition rate ultrashort laser cuts a path through fog. <i>Applied Physics Letters</i> , 2016, 109, . | 1.5 | 28 |
| 58 | Optimal laser-pulse energy partitioning for air ionization. <i>Physical Review A</i> , 2016, 94, . | 1.0 | 10 |
| 59 | Triggering filamentation using turbulence. <i>Physical Review A</i> , 2016, 94, . | 1.0 | 8 |
| 60 | Conductivity and discharge guiding properties of mid-IR laser filaments. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1. | 1.1 | 14 |
| 61 | Dual-scale turbulence in filamenting laser beams at high average power. <i>Physical Review A</i> , 2016, 94, . | 1.0 | 7 |
| 62 | Spooky spectroscopy. <i>Nature Photonics</i> , 2016, 10, 77-79. | 15.6 | 10 |
| 63 | Sequential Proton Coupled Electron Transfer (PCET): Dynamics Observed over 8 Orders of Magnitude in Time. <i>Journal of the American Chemical Society</i> , 2016, 138, 4401-4407. | 6.6 | 21 |
| 64 | Nonlinear optical properties of silicon carbide (SiC) nanoparticles by carbothermal reduction. , 2016, , . | | 2 |
| 65 | Spin-Glass Model Governs Laser Multiple Filamentation. <i>Physical Review Letters</i> , 2015, 115, 033902. | 2.9 | 8 |
| 66 | Non-linear photochemical pathways in laser-induced atmospheric aerosol formation. <i>Scientific Reports</i> , 2015, 5, 14978. | 1.6 | 17 |
| 67 | Remote electrical arc suppression by laser filamentation. <i>Optics Express</i> , 2015, 23, 28640. | 1.7 | 19 |
| 68 | Cellular uptake and biocompatibility of bismuth ferrite harmonic advanced nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 815-824. | 1.7 | 33 |
| 69 | Biosensing Instrumentation. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2015, , 131-152. | 0.2 | 1 |
| 70 | Nonlinear synthesis of complex laser waveforms at remote distances. <i>Physical Review A</i> , 2015, 91, . | 1.0 | 9 |
| 71 | Laser Filamentation as a New Phase Transition Universality Class. <i>Physical Review Letters</i> , 2015, 114, 063903. | 2.9 | 16 |
| 72 | Plasmonic Tipless Pyramid Arrays for Cell Poration. <i>Nano Letters</i> , 2015, 15, 4461-4466. | 4.5 | 23 |

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|----|--|-----|-----------|
| 73 | Simultaneous Multiharmonic Imaging of Nanoparticles in Tissues for Increased Selectivity. ACS Photonics, 2015, 2, 1416-1422. | 3.2 | 34 |
| 74 | Reversibility of laser filamentation. Optics Express, 2014, 22, 21061. | 1.7 | 6 |
| 75 | Tailoring single-cycle electromagnetic pulses in the 2â€“9 THz frequency range using DAST/SiO ₂ multilayer structures pumped at Ti:sapphire wavelength. Optics Express, 2014, 22, 21618. | 1.7 | 3 |
| 76 | Laser Filament-induced Ice Multiplication under Cirrus Cloud Conditions. , 2014, , . | | 0 |
| 77 | Nonlinear optical and magnetic properties of BiFeO ₃ harmonic nanoparticles. Journal of Applied Physics, 2014, 116, . | 1.1 | 32 |
| 78 | Molecular alignment and filamentation: Comparison between weak- and strong-field models. Physical Review A, 2014, 90, . | 1.0 | 10 |
| 79 | Assessment of cytotoxicity and oxidative effect of Bismuth Ferrite (BFO) harmonic nanoparticles for localized DNA photo-interaction. , 2014, , . | | 0 |
| 80 | Organometal Halide Perovskite Solar Cell Materials Rationalized: Ultrafast Charge Generation, High and Microsecond-Long Balanced Mobilities, and Slow Recombination. Journal of the American Chemical Society, 2014, 136, 5189-5192. | 6.6 | 1,106 |
| 81 | Deep UV generation and direct DNA photo-interaction by harmonic nanoparticles in labelled samples. Nanoscale, 2014, 6, 2929-2936. | 2.8 | 12 |
| 82 | White-light femtosecond Lidar at 100â€“W power level. Applied Physics B: Lasers and Optics, 2014, 114, 319-325. | 1.1 | 23 |
| 83 | Harmonic Nanoparticles for Regenerative Research. Journal of Visualized Experiments, 2014, , . | 0.2 | 1 |
| 84 | Discriminability of tryptophan containing dipeptides using quantum control. Applied Physics B: Lasers and Optics, 2013, 111, 541-549. | 1.1 | 7 |
| 85 | Cooperative effect of ultraviolet and near-infrared beams in laser-induced condensation. Applied Physics Letters, 2013, 103, . | 1.5 | 9 |
| 86 | Laser-induced plasma cloud interaction and ice multiplication under cirrus cloud conditions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10106-10110. | 3.3 | 28 |
| 87 | Characterization of the nonlinear optical properties of nanocrystals by Hyper Rayleigh Scattering. Journal of Nanobiotechnology, 2013, 11, S8. | 4.2 | 44 |
| 88 | High-Field Quantum Calculation Reveals Time-Dependent Negative Kerr Contribution. Physical Review Letters, 2013, 110, 043902. | 2.9 | 46 |
| 89 | Laser-induced condensation by ultrashort laser pulses at 248â€“nm. Applied Physics Letters, 2013, 102, . | 1.5 | 16 |
| 90 | Optimal Dynamic Discrimination in Tryptophan-Containing Dipeptides. EPJ Web of Conferences, 2013, 41, 07012. | 0.1 | 0 |

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| 91 | Coherent Control of Biomolecules and Imaging Using Nanodoublers. NATO Science for Peace and Security Series B: Physics and Biophysics, 2013, , 251-269. | 0.2 | 0 |
| 92 | Supercontinuum Generation by Mid-IR femtosecond Filaments in Molecular Gases. , 2013, , . | | 0 |
| 93 | Label free optimal dynamic discrimination of biological macromolecules. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 94 | Mid-infrared laser filamentation in molecular gases. Optics Letters, 2013, 38, 3194. | 1.7 | 53 |
| 95 | Real-time recording of circadian liver gene expression in freely moving mice reveals the phase-setting behavior of hepatocyte clocks. Genes and Development, 2013, 27, 1526-1536. | 2.7 | 126 |
| 96 | A flash-lamp based device for fluorescence detection and identification of individual pollen grains. Review of Scientific Instruments, 2013, 84, 033302. | 0.6 | 52 |
| 97 | Harmonic nanoparticles for nonlinear bio-imaging and detection. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 98 | Laser filament-induced aerosol formation. Atmospheric Chemistry and Physics, 2013, 13, 4593-4604. | 1.9 | 25 |
| 99 | Laser Filament Induced Water Condensation. EPJ Web of Conferences, 2013, 41, 12008. | 0.1 | 0 |
| 100 | Higher-order Kerr effects improve quantitative modelling of harmonics generation and laser filamentation. EPJ Web of Conferences, 2013, 41, 12007. | 0.1 | 0 |
| 101 | Deep UV Strategy for Discriminating Biomolecules. NATO Science for Peace and Security Series B: Physics and Biophysics, 2013, , 393-394. | 0.2 | 0 |
| 102 | Optical Kerr effect in the strong field regime. , 2013, , . | | 0 |
| 103 | DAST/SiO ₂ multilayer structure for efficient generation of 6ÂTHz quasi-single-cycle electromagnetic pulses. Optics Letters, 2012, 37, 2439. | 1.7 | 10 |
| 104 | White light generation over three octaves by femtosecond filament at 39Âµm in argon. Optics Letters, 2012, 37, 3456. | 1.7 | 67 |
| 105 | Direct amplitude shaping of high harmonics in the extreme ultraviolet. Optics Express, 2012, 20, 25843. | 1.7 | 7 |
| 106 | Coherent manipulation of free amino acids fluorescence. Physical Chemistry Chemical Physics, 2012, 14, 9317. | 1.3 | 15 |
| 107 | High-speed Tracking of Murine Cardiac Stem Cells by Harmonic Nanodoublers. Small, 2012, 8, 2752-2756. | 5.2 | 34 |
| 108 | Nonlinear Correlation Spectroscopy (NLCS). Nano Letters, 2012, 12, 1668-1672. | 4.5 | 42 |

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| 109 | Harmonic Nanocrystals for Biolabeling: A Survey of Optical Properties and Biocompatibility. ACS Nano, 2012, 6, 2542-2549. | 7.3 | 174 |
| 110 | Laser-assisted water condensation in the atmosphere: a step towards modulating precipitation?. Journal Physics D: Applied Physics, 2012, 45, 293001. | 1.3 | 18 |
| 111 | Ultrafast laser spectroscopy and control of atmospheric aerosols. Physical Chemistry Chemical Physics, 2012, 14, 9291. | 1.3 | 7 |
| 112 | Multijoule scaling of laser-induced condensation in air. Applied Physics Letters, 2011, 99, . | 1.5 | 19 |
| 113 | Ensemble and Individual Characterization of the Nonlinear Optical Properties of ZnO and BaTiO ₃ Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 15140-15146. | 1.5 | 54 |
| 114 | Transition from Plasma-Driven to Kerr-Driven Laser Filamentation. Physical Review Letters, 2011, 106, 243902. | 2.9 | 95 |
| 115 | Spectral phase, amplitude, and spatial modulation from ultraviolet to infrared with a reflective MEMS pulse shaper. Optics Express, 2011, 19, 7580. | 1.7 | 20 |
| 116 | Individual bioaerosol particle discrimination by multi-photon excited fluorescence. Optics Express, 2011, 19, 24516. | 1.7 | 41 |
| 117 | From higher-order Kerr nonlinearities to quantitative modeling of third and fifth harmonic generation in argon. Optics Letters, 2011, 36, 828. | 1.7 | 26 |
| 118 | Shaping light with MOEMS. , 2011, , . | | 2 |
| 119 | Discriminating Biomolecules with Coherent Control Strategies. Chimia, 2011, 65, 346. | 0.3 | 7 |
| 120 | High-power potassium-titanyl-phosphate laser fibres for endovaporization of benign prostatic hyperplasia: how much do they deteriorate during the procedure?. BJU International, 2011, 107, 1938-1942. | 1.3 | 8 |
| 121 | On negative higher-order Kerr effect and filamentation. Laser Physics, 2011, 21, 1319-1328. | 0.6 | 40 |
| 122 | Modelling of HNO ₃ -mediated laser-induced condensation: A parametric study. Journal of Chemical Physics, 2011, 135, 134703. | 1.2 | 18 |
| 123 | 1-J white-light continuum from 100-TW laser pulses. Physical Review A, 2011, 83, . | 1.0 | 16 |
| 124 | Design, simulation, fabrication, packaging, and characterization of a MEMS-based mirror array for femtosecond pulse-shaping in phase and amplitude. Review of Scientific Instruments, 2011, 82, 075106. | 0.6 | 10 |
| 125 | Influence of pulse duration, energy, and focusing on laser-assisted water condensation. Applied Physics Letters, 2011, 98, . | 1.5 | 18 |
| 126 | Field measurements suggest the mechanism of laser-assisted water condensation. Nature Communications, 2011, 2, 456. | 5.8 | 67 |

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|-----|--|------|-----------|
| 127 | Coherent Quantum Control in Biological Systems. NATO Science for Peace and Security Series B: Physics and Biophysics, 2011, , 183-201. | 0.2 | 1 |
| 128 | Higher-order Kerr effect in ultrashort laser pulse propagation and laser filamentation. , 2011, , . | | 0 |
| 129 | Resolution of strongly competitive product channels with optimal dynamic discrimination: Application to flavins. Journal of Chemical Physics, 2011, 134, 034511. | 1.2 | 22 |
| 130 | Saturation of the filament density of ultrashort intense laser pulses in air. Applied Physics B: Lasers and Optics, 2010, 100, 77-84. | 1.1 | 40 |
| 131 | Filament-induced laser machining (FILM). Applied Physics B: Lasers and Optics, 2010, 100, 515-520. | 1.1 | 49 |
| 132 | Laser-induced water condensation in air. Nature Photonics, 2010, 4, 451-456. | 15.6 | 179 |
| 133 | Publisher's Note: Spectral dependence of purely-Kerr-driven filamentation in air and argon [Phys. Rev. A, 2010, 82, 033826 (2010)]. Physical Review A, 2010, 82, . | 1.0 | 1 |
| 134 | Spectral dependence of purely-Kerr-driven filamentation in air and argon. Physical Review A, 2010, 82, . | 1.0 | 28 |
| 135 | Mechanism of hollow-core-fiber infrared-supercontinuum compression with bulk material. Physical Review A, 2010, 81, . | 1.0 | 41 |
| 136 | Compression of 1.8-µm laser pulses to sub two optical cycles with bulk material. Applied Physics Letters, 2010, 96, . | 1.5 | 126 |
| 137 | How Shaped Light Discriminates Nearly Identical Biochromophores. Physical Review Letters, 2010, 105, 073003. | 2.9 | 57 |
| 138 | High aspect ratio micromirror array with two degrees of freedom for femtosecond pulse shaping. Proceedings of SPIE, 2010, , . | 0.8 | 5 |
| 139 | Generalized Miller Formula. Optics Express, 2010, 18, 6613. | 1.7 | 62 |
| 140 | Evanescence-Field-Induced Second Harmonic Generation by Noncentrosymmetric Nanoparticles. Optics Express, 2010, 18, 23218. | 1.7 | 32 |
| 141 | Arbitrary-order nonlinear contribution to self-steepening. Optics Letters, 2010, 35, 2795. | 1.7 | 20 |
| 142 | Ultraviolet and near-infrared femtosecond temporal pulse shaping with a new high-aspect-ratio one-dimensional micromirror array. Optics Letters, 2010, 35, 3102. | 1.7 | 19 |
| 143 | Mobile source of high-energy single-cycle terahertz pulses. Applied Physics B: Lasers and Optics, 2010, 101, 11-14. | 1.1 | 66 |
| 144 | On Lightning Control Using Lasers. Springer Series in Chemical Physics, 2010, , 109-122. | 0.2 | 3 |

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| 145 | Production of ozone and nitrogen oxides by laser filamentation. Applied Physics Letters, 2010, 97, . | 1.5 | 55 |
| 146 | Higher-Order Kerr Terms Allow Ionization-Free Filamentation in Gases. Physical Review Letters, 2010, 104, 103903. | 2.9 | 235 |
| 147 | Quantum Control of Tightly Competitive Product Channels. Physical Review Letters, 2009, 102, 253001. | 2.9 | 99 |
| 148 | Contribution of water droplets to charge release by laser filaments in air. Applied Physics Letters, 2009, 95, 091107. | 1.5 | 27 |
| 149 | White-light symmetrization by the interaction of multifilamenting beams. Physical Review A, 2009, 79, . | 1.0 | 15 |
| 150 | Laser Beams Take a Curve. Science, 2009, 324, 194-195. | 6.0 | 23 |
| 151 | Linear micromirror array for broadband femtosecond pulse shaping in phase and amplitude. Proceedings of SPIE, 2009, , . | 0.8 | 1 |
| 152 | Multiple filamentation of non-uniformly focused ultrashort laser pulses. Applied Physics B: Lasers and Optics, 2009, 94, 243-247. | 1.1 | 10 |
| 153 | Characterization of a MEMS-based pulse-shaping device in the deep ultraviolet. Applied Physics B: Lasers and Optics, 2009, 96, 757-761. | 1.1 | 27 |
| 154 | An inexpensive nonlinear medium for intense ultrabroadband pulse characterization. Applied Physics B: Lasers and Optics, 2009, 97, 537-540. | 1.1 | 9 |
| 155 | Filament-induced birefringence in Argon. Laser Physics, 2009, 19, 336-341. | 0.6 | 5 |
| 156 | Ultraviolet-visible conical emission by multiple laser filaments. Optics Express, 2009, 17, 4726. | 1.7 | 29 |
| 157 | Optical rogue wave statistics in laser filamentation. Optics Express, 2009, 17, 12070. | 1.7 | 69 |
| 158 | Nanodoublers as deep imaging markers for multi-photon microscopy. Optics Express, 2009, 17, 15342. | 1.7 | 71 |
| 159 | Control of lasing filament arrays in nonlinear liquid media. Applied Physics B: Lasers and Optics, 2008, 90, 383-390. | 1.1 | 8 |
| 160 | Angular distribution of non-linear optical emission from spheroidal microparticles. Applied Physics B: Lasers and Optics, 2008, 91, 167-171. | 1.1 | 5 |
| 161 | Large linear micromirror array for UV femtosecond laser pulse shaping. , 2008, , . | | 2 |
| 162 | Generation of 30 fJ single-cycle terahertz pulses at 100 Hz repetition rate by optical rectification. Optics Letters, 2008, 33, 2497. | 1.7 | 141 |

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| 163 | Physics and applications of atmospheric nonlinear optics and filamentation. Optics Express, 2008, 16, 466. | 1.7 | 313 |
| 164 | Electric events synchronized with laser filaments in thunderclouds. Optics Express, 2008, 16, 5757. | 1.7 | 152 |
| 165 | Ultrafast gaseous π -half-wave plate. Optics Express, 2008, 16, 7564. | 1.7 | 44 |
| 166 | Nano-FROG: Frequency resolved optical gating by a nanometric object. Optics Express, 2008, 16, 10405. | 1.7 | 45 |
| 167 | Dual-color co-filamentation in Argon. Optics Express, 2008, 16, 14115. | 1.7 | 19 |
| 168 | Identification of biological microparticles using ultrafast depletion spectroscopy. Faraday Discussions, 2008, 137, 37-49. | 1.6 | 18 |
| 169 | Ultrashort filaments of light in weakly ionized, optically transparent media. Reports on Progress in Physics, 2008, 71, 109801. | 8.1 | 7 |
| 170 | Cross compression of light bullets by two-color cofilamentation. Physical Review A, 2008, 78, . | 1.0 | 8 |
| 171 | Effects of atmospheric turbulence on remote optimal control experiments. Applied Physics Letters, 2008, 92, 041103. | 1.5 | 7 |
| 172 | Femtosecond pump-probe experiments on trapped flavin: Optical control of dissociation. Journal of Chemical Physics, 2008, 128, 075103. | 1.2 | 33 |
| 173 | Filament induced electric events in thunderstorms. , 2008, , . | | 0 |
| 174 | Propagation of laser filaments through an extended turbulent region. Applied Physics Letters, 2007, 91, 171106. | 1.5 | 62 |
| 175 | Multiobjective genetic approach for optimal control of photoinduced processes. Physical Review A, 2007, 76, . | 1.0 | 32 |
| 176 | 32TW atmospheric white-light laser. Applied Physics Letters, 2007, 90, 151106. | 1.5 | 34 |
| 177 | Propagation of femtosecond filaments in atmospheric conditions. , 2007, , . | | 0 |
| 178 | Laser noise compression by filamentation at 400 nm in argon. Optics Express, 2007, 15, 13295. | 1.7 | 14 |
| 179 | Ultrashort filaments of light in weakly ionized, optically transparent media. Reports on Progress in Physics, 2007, 70, 1633-1713. | 8.1 | 939 |
| 180 | TW lasers in air: ultra-high powers and optimal control strategies. Proceedings of SPIE, 2007, , . | 0.8 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Spectral correlation and noise reduction in laser filaments. Applied Physics B: Lasers and Optics, 2007, 87, 1-4. | 1.1 | 18 |
| 182 | Polar Fe(IO ₃) ₃ nanocrystals as local probes for nonlinear microscopy. Applied Physics B: Lasers and Optics, 2007, 87, 399-403. | 1.1 | 98 |
| 183 | Laser-Induced Breakdown Spectroscopy analysis of Bacteria: What Femtosecond Lasers Make Possible. Springer Series in Chemical Physics, 2007, , 193-195. | 0.2 | 1 |
| 184 | Interfering Lasing Filaments in Dense Absorbing Media. Springer Series in Chemical Physics, 2007, , 77-79. | 0.2 | 0 |
| 185 | Femtosecond Lidar and Coherent Control. , 2007, , . | | 0 |
| 186 | Biological systems: Applications and perspectives. , 2007, , 733-828. | | 0 |
| 187 | Discrimination of microbiological samples using femtosecond laser-induced breakdown spectroscopy. Applied Physics Letters, 2006, 89, 163903. | 1.5 | 97 |
| 188 | Laser noise reduction in air. Applied Physics Letters, 2006, 88, 251112. | 1.5 | 10 |
| 189 | Improved laser triggering and guiding of meqavolt discharges with dual fs-ns pulses. Applied Physics Letters, 2006, 88, 021101. | 1.5 | 57 |
| 190 | Laser filaments generated and transmitted in highly turbulent air. Optics Letters, 2006, 31, 86. | 1.7 | 69 |
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