# Olga G Kosareva

List of Publications by Year
in descending order



| 152 | 5,407 | 109321 35 | 85541 71 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 152 | 152 | 152 | 1744 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Long-range robust multifilament arrays from terawatt femtosecond beam. Laser Physics Letters, 2022, 19, 015201. | 1.4 | 8 |
| 2 | All-optical attoclock for imaging tunnelling wavepackets. Nature Physics, 2022, 18, 417-422. | 16.7 | 12 |
| 3 | Low-Frequency Content of THz Emission from Two-Color Femtosecond Filament. Photonics, 2022, 9, 17. | 2.0 | 8 |
| 4 | Interdigitated photoconductive antenna-based two-color femtosecond laser filamentation THz time-domain spectral detection. Optics Express, 2022, 30, 18562. | 3.4 | 4 |
| 5 | Dual-wavelength filamentation with a fraction of fundamental laser frequency as a wideband THz source. Laser Physics Letters, 2021, 18, 025401. | 1.4 | 7 |
| 6 | Continuous transition from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="sans-serif">X</mml:mi></mml:math> - to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="sans-serif">O</mml:mi></mml:math> -shaped angle-wavelength spectra of a femtosecond filament in a gas mixture. Physical Review A, 2021, 103, . | 2.5 | 2 |
| 7 | Postfilament supercontinuum on 100â€‰â€‰m path in air. Optics Letters, 2021, 46, 1125. | 3.3 | 15 |
| 8 | Dispersion Management of Mid-Infrared Filamentation in Dense Gases. , 2021, , . | | 0 |
| 9 | Remote triggering of air-gap discharge by a femtosecond laser filament and postfilament at distances up to 80 m. Applied Physics Letters, 2021, 119, . | 3.3 | 13 |
| 10 | Transformation of the frequency-angular spectrum of THz emissions produced by a single-color laser filament under an external electrostatic field of various strength. Laser Physics Letters, 2021, 18, 115401. | 1.4 | 4 |
| 11 | Robust multifilament arrays in air by Dammann grating. Optics Express, 2021, 29, 34189-34204. | 3.4 | 16 |
| 12 | Multiple Filamentation Effects on THz Radiation Pattern from Laser Plasma in Air. Photonics, 2021, 8, 4. | 2.0 | 7 |
| 13 | Flat-top THz directional diagram of a DC-biased filament. Optics Letters, 2021, 46, 5497. | 3.3 | 15 |
| 14 | Tracing Evolution of Angle-Wavelength Spectrum along the 40-m Postfilament in Corridor Air. Photonics, 2021, 8, 446. | 2.0 | 3 |
| 15 | Balance of emission from THz sources in DC-biased and unbiased filaments in air. Optics Express, 2021, 29, 40687. | 3.4 | 6 |
| 16 | Superposition of 2Ï‰ and Electrostatic Field Induced Terahertz Waveforms in DC-Biased Two-Color Filament. Applied Sciences (Switzerland), 2021, 11, 11888. | 2.5 | 4 |
| 17 | Effect of Molecular Orbital Angular Momentum on the Spatial Distribution of Fluorescence during Femtosecond Laser Filamentation in Air. Journal of Physical Chemistry Letters, 2020, 11, 730-734. | 4.6 | 11 |
| 18 | Genetic algorithm for the location control of femtosecond laser filament. Scientific Reports, 2020, 10, 12878. | 3.3 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fabricating THz spiral zone plate by high throughput femtosecond laser air filament direct writing. Scientific Reports, 2020, 10, 13965. | 3.3 | 3 |
| 20 | Spectrally selective modulation of terahertz radiation beams. Quantum Electronics, 2020, 50, 1029-1033. | 1.0 | 1 |
| 21 | Tracing Air-Breakdown Plasma Characteristics from Single-Color Filament Terahertz Spectra. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 1105-1113. | 2.2 | 5 |
| 22 | Nonlinear Enhancement of Resonance Absorption at the Filamentation of a Mid-Infrared Pulse in High-Pressure Gases. JETP Letters, 2020, 111, 31-35. | 1.4 | 7 |
| 23 | Efficient Multifocal Structured Illumination Microscopy Utilizing a Spatial Light Modulator. Applied Sciences (Switzerland), 2020, 10, 4396. | 2.5 | 1 |
| 24 | THz generation from laser-induced breakdown in pressurized molecular gases: on the way to terahertz remote sensing of the atmospheres of Mars and Venus. New Journal of Physics, 2020, 22, 013039. | 2.9 | 20 |
| 25 | Femtosecond filament emergence between Ï€-shifted beamlets in air. Optics Express, 2020, 28, 1002. | 3.4 | 12 |
| 26 | Enhancement of third harmonic yield in fused filaments due to Gouy shift suppression. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1406. | 2.1 | 0 |
| 27 | Water vapor based dispersion management in a high-pressure gas cell. Journal of Physics: Conference Series, 2020, 1692, 012019. | 0.4 | 0 |
| 28 | Optimization of terahertz production from femtosecond multi- and superfilaments in air. , 2020, , . | | 0 |
| 29 | Nonlinear transparency window for ultraintense femtosecond laser pulses in the atmosphere. Physical Review A, 2019, 100, . | 2.5 | 12 |
| 30 | Influence of the Tilting Angle of a BBO Crystal on the Terahertz Radiation Produced by a Dual-Color Femtosecond Laser. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 669-674. | 3.1 | 4 |
| 31 | Tight focusing of electromagnetic fields by large-aperture mirrors. Physical Review E, 2019, 100, 033316. | 2.1 | 8 |
| 32 | Polarization Singularities Nucleation in the Self-focusing of an Elliptically Polarized Laser Beam in Kerr Medium and Isotropic Phase of Nematic Liquid Crystal. Springer Series in Chemical Physics, 2019, , 3-17. | 0.2 | 0 |
| 33 | Acoustic Signal for Femtosecond Filament Plasma Grating Characterization in Air. Springer Series in Chemical Physics, 2019, , 343-353. | 0.2 | 0 |
| 34 | The Focal Length Effect on Energy Absorption and Terahertz Generation upon Focusing Two-Color Radiation in Air. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 0.4 | 5 |
| 35 | Waveform, spectrum, and energy of backward terahertz emission from two-color femtosecond laser induced microplasma. Applied Physics Letters, 2019, 114, . | 3.3 | 20 |
| 36 | Transverse structure and energy deposition by a subTW femtosecond laser in air: from single filament to superfilament. New Journal of Physics, 2019, 21, 033027. | 2.9 | 16 |

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|---|---|---|---|
| 37 | Terahertz emission from a single-color ultraviolet filament. Laser Physics Letters, 2019, 16, 105403. | 1.4 | 4 |
| 38 | Third-harmonic generation from regularized converging filaments. Journal of the Optical Society of America B: Optical Physics, 2019, 36, A66. | 2.1 | 7 |
| 39 | From loosely focused multifilamentation to superfilamentation: effect of focusing conditions. , 2019, , . | | 0 |
| 40 | Effect of phase front modulation on the merging of multiple regularized femtosecond filaments. Laser Physics Letters, 2018, 15, 045402. | 1.4 | 15 |
| 41 | Backward terahertz emission from two-color laser induced plasma spark. EPJ Web of Conferences, 2018, 195, 03010. | 0.3 | 0 |
| 42 | Terahertz generation from single and multiple filaments in air. EPJ Web of Conferences, 2018, 195, 03013. | 0.3 | 0 |
| 43 | Optimum chirp for efficient terahertz generation from two-color femtosecond pulses in air. Applied Physics Letters, 2018, 113, . | 3.3 | 33 |
| 44 | Ring and unimodal angular-frequency distribution of THz emission from two-color femtosecond plasma spark. Optics Express, 2018, 26, 18202. | 3.4 | 20 |
| 45 | Nonpertubing diagnostics of multiple filamentation and superfilamentation of powerful femtosecond laser pulses in air. , 2018, , . | | 0 |
| 46 | Polarization control of terahertz radiation from two-color femtosecond gas breakdown plasma. Optics Letters, 2018, 43, 90. | 3.3 | 30 |
| 47 | Near-infrared conical emission from 800â€‰nm filament in air. Laser Physics Letters, 2017, 14, 035401. | 1.4 | 6 |
| 48 | Spatial filtering of radiation from wire lasers. Laser Physics Letters, 2017, 14, 045001. | 1.4 | 4 |
| 49 | Nonlinearly enhanced linear absorption under filamentation in mid-infrared (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 | | 0 |
| 50 | Symmetry Breaking and Strong Persistent Plasma Currents via Resonant Destabilization of Atoms. Physical Review Letters, 2017, 119, 243202. | 7.8 | 2 |
| 51 | Backward Terahertz Radiation from a Two-Color Femtosecond Laser Filament. JETP Letters, 2017, 106, 706-708. | 1.4 | 13 |
| 52 | Nonlinear increase in the energy input into a medium at the fusion of regularized femtosecond filaments. JETP Letters, 2017, 106, 561-564. | 1.4 | 15 |
| 53 | Fifteen meter long uninterrupted filaments from sub-terawatt ultraviolet pulse in air. Optics Express, 2017, 25, 25386. | 3.4 | 26 |
| 54 | 3D terahertz beam profiling from two color laser induced plasma with different focusing. EPJ Web of Conferences, 2017, 149, 05011. | 0.3 | 1 |

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|---|---|---|---|
| 55 | Terahertz and Mid-Infrared Radiation from Femtosecond Filaments in Gases. Springer Series in Chemical Physics, 2017, , 35-43. | 0.2 | 0 |
| 56 | Polarization Of THz radiation generated during two-color filamentation of arbitrarily polarized laser pulses. , 2016, , . | | 0 |
| 57 | Supercontinuum of a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3.9</mml:mn><mml:mo>â^'</mml:mo><mml:mi>Î¼</mml:mi><mathvariant="normal">m</mml:mi></mml:mrow></mml:math>filament in air: Formation of a two-octave plateau and nonlinearly enhanced linear absorption. Physical Review A, 2016, 94, . | 2.5 | 28 |
| 58 | Laser optoacoustic diagnostics of femtosecond filaments in air using wideband piezoelectric transducers. Laser Physics Letters, 2016, 13, 095401. | 1.4 | 20 |
| 59 | Fusion of regularized femtosecond filaments in air: far field on-axis emission. Laser Physics Letters, 2016, 13, 116005. | 1.4 | 18 |
| 60 | The optical waveguide generated by acoustic waves emitted from femtoseconds filaments. , 2016, , . | | 4 |
| 61 | Filamentation of four beams under focusing in air. , 2016, , . | | 0 |
| 62 | Generation of polarization singularities in the self-focusing of an elliptically polarized laser beam in an isotropic Kerr medium. Physica D: Nonlinear Phenomena, 2016, 332, 73-78. | 2.8 | 12 |
| 63 | Ultrabroad Terahertz Spectrum Generation from an Air-Based Filament Plasma. Physical Review Letters, 2016, 116, 063902. | 7.8 | 202 |
| 64 | Propagation equation for tight-focusing by a parabolic mirror. Optics Express, 2015, 23, 31240. | 3.4 | 33 |
| 65 | Spatio-spectral characteristics of THz radiation from two-color femtosecond filament. , 2015, , . | | 0 |
| 66 | Spectrum and polarization of THz radiation from two-color femtosecond laser breakdown: Theory and experiment. , 2015, , . | | 1 |
| 67 | Laser-induced plasma influence onto intrapulse four-wave mixing under femtosecond filamentation in air. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 094017. | 1.5 | 6 |
| 68 | Robust near-infrared light bullet in 800-nm femtosecond light filaments in air. Applied Physics B: Lasers and Optics, 2015, 120, 383-387. | 2.2 | 7 |
| 69 | Simultaneous generation of nonlinear optical harmonics and terahertz radiation in air: polarization discrimination of various nonlinear contributions. Frontiers of Optoelectronics, 2015, 8, 73-80. | 3.7 | 18 |
| 70 | Directionality of terahertz radiation emitted from an array of femtosecond filaments in gases. Laser Physics Letters, 2014, 11, 125401. | 1.4 | 23 |
| 71 | Four-wave mixing in molecular gases under filamentation of the collimated femtosecond beam. Laser Physics Letters, 2014, 11, 125302. | 1.4 | 3 |
| 72 | Study of terahertz-radiation-induced DNA damage in human blood leukocytes. Quantum Electronics, 2014, 44, 247-251. | 1.0 | 28 |

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| 73 | 3D Raman bullet formed under filamentation of femtosecond laser pulses in air and nitrogen. Applied Physics B: Lasers and Optics, 2013, 110, 123-130. | 2.2 | 15 |
| 74 | Femtosecond coherent control of THz spectra driven by free- and coupled electrons in gas plasma. , 2013, , . | | 0 |
| 75 | Filamentation of arbitrary polarized femtosecond laser pulses in case of high-order Kerr effect. Optics Letters, 2013, 38, 537. | 3.3 | 18 |
| 76 | Transformation of terahertz spectra emitted from dual-frequency femtosecond pulse interaction in gases. Optics Letters, 2013, 38, 1906. | 3.3 | 84 |
| 77 | Filamentation of femtosecond laser pulses governed by variable wavefront distortions via a deformable mirror. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2257. | 2.1 | 30 |
| 78 | Femtosecond coherent control of THz spectra driven by free- and coupled electrons in gas plasma. , 2013, , . | | 0 |
| 79 | Femtosecond laser filament in different air pressures simulating vertical propagation up to 10 km. Laser Physics Letters, 2012, 9, 868-874. | 1.4 | 22 |
| 80 | Single-cycle pulse generation in the course of four-wave mixing in the filament. , 2012, , . | | 3 |
| 81 | Advances in intense femtosecond laser filamentation in air. Laser Physics, 2012, 22, 1-53. | 1.2 | 240 |
| 82 | Arrest of self-focusing collapse in femtosecond air filaments: higher order Kerr or plasma defocusing?. Optics Letters, 2011, 36, 1035. | 3.3 | 67 |
| 83 | Filamentation of femtosecond Gaussian pulses with close-to-linear or -circular elliptical polarisation. Quantum Electronics, 2011, 41, 160-162. | 1.0 | 14 |
| 84 | Angular distribution of the terahertz radiation intensity from the plasma channel of a femtosecond filament. JETP Letters, 2011, 93, 638-641. | 1.4 | 36 |
| 85 | Analysis of Dual Frequency Interaction in the Filament with the Purpose of Efficiency Control of THz Pulse Generation. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 1157-1167. | 2.2 | 14 |
| 86 | Formation and evolution of intense, post-filamentation, ionization-free low divergence beams. Optics Communications, 2011, 284, 3601-3606. | 2.1 | 46 |
| 87 | Measurement of birefringence inside a filament. Physical Review A, 2011, 84, . | 2.5 | 11 |
| 88 | Filamentation of femtosecond laser radiation with a non-Gaussian transverse spatial profile. Quantum Electronics, 2011, 41, 958-962. | 1.0 | 6 |
| 89 | Intensity clamping in the filament of femtosecond laser radiation. Quantum Electronics, 2011, 41, 382-386. | 1.0 | 31 |
| 90 | Polarization rotation due to femtosecond filamentation in an atomic gas. Optics Letters, 2010, 35, 2904. | 3.3 | 34 |

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| 91 | Few-cycle optical pulse production from collimated femtosecond laser beam filamentation. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 667. | 2.1 | 22 |
| 92 | Self and forced periodic arrangement of multiple filaments in glass. Optics Express, 2010, 18, 1801. | 3.4 | 29 |
| 93 | Spectral “soliton” transformation and four-wave mixing under femtosecond laser radiation filamentation in molecular gases. , 2009, , . | | 0 |
| 94 | Femtosecond filaments as a new type of laser guide stars for astronomical adaptive optics. Quantum Electronics, 2009, 39, 560-565. | 1.0 | 3 |
| 95 | Generation of optical pulses of duration down to 8 fs upon filamentation of collimated femtosecond laser radiation in argon. Quantum Electronics, 2009, 39, 879-881. | 1.0 | 7 |
| 96 | A simple method to significantly increase filamentsâ€™ length andÂionization density. Applied Physics B: Lasers and Optics, 2009, 94, 249-257. | 2.2 | 33 |
| 97 | Filamentation â€œremoteâ€•sensing of chemical and biological agents/pollutants using only one femtosecond laser source. Applied Physics B: Lasers and Optics, 2009, 95, 1-12. | 2.2 | 127 |
| 98 | Investigation of the transformation of the spectrum of femtosecond laser radiation on filamentation in gas medium. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2009, 107, 429-434. | 0.6 | 4 |
| 99 | Can we reach very high intensity in air with femtosecond PW laser pulses?. Laser Physics, 2009, 19, 1776-1792. | 1.2 | 60 |
| 100 | Characterization of terahertz emission from a dc-biased filament in air. Applied Physics Letters, 2009, 95, . | 3.3 | 55 |
| 101 | Filamentation of high-power femtosecond laser radiation. Quantum Electronics, 2009, 39, 205-228. | 1.0 | 260 |
| 102 | Self-focusing and Filamentation of Powerful Femtosecond Laser Pulses. Topics in Applied Physics, 2009, , 371-398. | 0.8 | 1 |
| 103 | The Physics of Intense Femtosecond Laser Filamentation. Topics in Applied Physics, 2009, , 349-370. | 0.8 | 2 |
| 104 | Ultrafast laser filamentation control techniques for remote applications. , 2009, , . | | 0 |
| 105 | Optimization of a femtosecond pulse self-compression region along a filament in air. Applied Physics B: Lasers and Optics, 2008, 91, 35-43. | 2.2 | 49 |
| 106 | Observation of filamentation-induced continuous self-frequency down shift in air. Applied Physics B: Lasers and Optics, 2008, 91, 219-222. | 2.2 | 33 |
| 107 | What is a filament?. Laser Physics, 2008, 18, 962-964. | 1.2 | 26 |
| 108 | Few cycle powerful pulse production under filamention in gaseous media without external compressor. , 2008, , . | | 0 |

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| 109 | Some Fundamental Concepts of Femtosecond Laser Filamentation. , 2008, , 243-264. | | 10 |
| 110 | Spatio-temporal control of femtosecond laser pulse filamentation in the atmosphere. , 2007, 6733, 369. | | 3 |
| 111 | Plasma channel localisation during multiple filamentation in air. Quantum Electronics, 2007, 37, 1153-1158. | 1.0 | 9 |
| 112 | Improved reproducibility of conical emission from glass under axicon focusing of femtosecond laser pulse. Proceedings of SPIE, 2007, , . | 0.8 | 0 |
| 113 | Evolution and termination of a femtosecond laser filament in air. Optics Letters, 2007, 32, 3477. | 3.3 | 35 |
| 114 | Role of phase matching in pulsed second-harmonic generation: Walk-off and phase-locked twin pulses in negative-index media. Physical Review A, 2007, 76, . | 2.5 | 76 |
| 115 | Pulse shortening due to filamentation in transparent medium. Laser Physics Letters, 2007, 4, 126-132. | 1.4 | 39 |
| 116 | Optimum small-scale management of random beam perturbations in a femtosecond laser pulse. Applied Physics B: Lasers and Optics, 2007, 87, 29-36. | 2.2 | 25 |
| 117 | Ordered filaments of a femtosecond pulse in the volume of a transparent medium. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2006, 73, 778. | 0.4 | 11 |
| 118 | Array of femtosecond plasma channels in fused silica. Optics Communications, 2006, 267, 511-523. | 2.1 | 39 |
| 119 | Filamentation of a femtosecond laser pulse with the initial beam ellipticity. Laser Physics, 2006, 16, 1227-1234. | 1.2 | 8 |
| 120 | Controlling a bunch of multiple filaments by means of a beam diameter. Applied Physics B: Lasers and Optics, 2006, 82, 111-122. | 2.2 | 41 |
| 121 | Conical emission of a femtosecond laser pulse focused by an axicon into a K 108 glass. Quantum Electronics, 2006, 36, 821-824. | 1.0 | 18 |
| 122 | <title>Regularization of multiple filaments in atmospheric turbulence</title>. , 2006, 6255, 212. | | 0 |
| 123 | Controlling the bunch of filaments formed by high-power femtosecond laser pulse in air. , 2005, , . | | 3 |
| 124 | Towards a control of multiple filamentation by spatial regularization of a high-power femtosecond laser pulse. Applied Physics B: Lasers and Optics, 2005, 80, 267-275. | 2.2 | 80 |
| 125 | Effect of beam diameter on the propagation of intense femtosecond laser pulses. Applied Physics B: Lasers and Optics, 2005, 80, 35-38. | 2.2 | 66 |
| 126 | Self-action effects in ionization and fragmentation of toluene by femtosecond laser pulses. Applied Physics B: Lasers and Optics, 2005, 80, 547-557. | 2.2 | 7 |

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| 127 | Dynamic small-scale self-focusing of a femtosecond laser pulse. Quantum Electronics, 2005, 35, 59-64. | 1.0 | 19 |
| 128 | Enhanced fragmentation of toluene through linear and nonlinear increase of the focal spot area of an ultrashort laser pulse. Physical Review A, 2005, 71, . | 2.5 | 7 |
| 129 | The propagation of powerful femtosecond laser pulses in opticalmedia: physics, applications, and new challenges. Canadian Journal of Physics, 2005, 83, 863-905. | 1.1 | 551 |
| 130 | Formation of extended plasma channels in a condensed medium upon axicon focusing of a femtosecond laser pulse. Quantum Electronics, 2005, 35, 1013-1014. | 1.0 | 40 |
| 131 | A method for spatial regularisation of a bunch of filaments in a femtosecond laser pulse. Quantum Electronics, 2004, 34, 879-880. | 1.0 | 25 |
| 132 | Competition of multiple filaments during the propagation of intense femtosecond laser pulses. Physical Review A, 2004, 70, . | 2.5 | 134 |
| 133 | Supercontinuum sources in a high-power femtosecond laserpulse propagating in liquids and gases. Quantum Electronics, 2004, 34, 348-354. | 1.0 | 94 |
| 134 | Experimental observation and simulations of the self-action of white light laser pulse propagating in air. New Journal of Physics, 2004, 6, 6-6. | 2.9 | 52 |
| 135 | Femtosecond laser pulse filamentation versus optical breakdown in H 2 O. Applied Physics B: Lasers and Optics, 2003, 76, 215-229. | 2.2 | 168 |
| 136 | Self-transformation of a powerful femtosecond laser pulse into a white-light laser pulse in bulk optical media (or supercontinuum generation). Applied Physics B: Lasers and Optics, 2003, 77, 149-165. | 2.2 | 302 |
| 137 | Multiple refocusing of a femtosecond laser pulse in a dispersive liquid (methanol). Optics Communications, 2003, 225, 193-209. | 2.1 | 91 |
| 138 | Nonlinear-optical transformation of a high-power femtosecond laser pulse in air. Quantum Electronics, 2003, 33, 69-75. | 1.0 | 71 |
| 139 | Initial phase modulation of a high-power femtosecond laser pulse as a tool for controlling its filamentation and generation of a supercontinuum in air. Quantum Electronics, 2003, 33, 525-530. | 1.0 | 63 |
| 140 | Conversion of high-power femtosecond laser pulse to supercontinuum in atmospheric air. , 2003, 4976, 159. | | 1 |
| 141 | Influence of various physical factors on the generation of conical emission in the propagation of high-power femtosecond laser pulses in air. Journal of Optical Technology (A Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T | | |
| 142 | Random deflection of the white light beam during self-focusing and filamentation of a femtosecond laser pulse in water. Applied Physics B: Lasers and Optics, 2002, 75, 595-599. | 2.2 | 32 |
| 143 | Filamentation of femtosecond laser pulses in turbulent air. Applied Physics B: Lasers and Optics, 2002, 74, 67-76. | 2.2 | 108 |
| 144 | Interference of transverse rings in multifilamentation of powerful femtosecond laser pulses in air. Optics Communications, 2002, 210, 329-341. | 2.1 | 81 |

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| 145 | Nucleation and random movement of filaments in the propagation of high-power laser radiation in a turbulent atmosphere. Quantum Electronics, 1999, 29, 911-915. | 1.0 | 58 |
| 146 | FILAMENTATION AND SUPERCONTINUUM GENERATION DURING THE PROPAGATION OF POWERFUL ULTRASHORT LASER PULSES IN OPTICAL MEDIA (WHITE LIGHT LASER). Journal of Nonlinear Optical Physics and Materials, 1999, 08, 121-146. | 1.8 | 130 |
| 147 | Spatiotemporal instability of an intense subpicosecond laser pulse in gases. Quantum Electronics, 1997, 27, 441-444. | 1.0 | 4 |
| 148 | From Filamentation in Condensed Media to Filamentation in Gases. Journal of Nonlinear Optical Physics and Materials, 1997, 06, 485-494. | 1.8 | 50 |
| 149 | Moving focus in the propagation of ultrashort laser pulses in air. Optics Letters, 1997, 22, 304. | 3.3 | 370 |
| 150 | Conical emission from laserâ€“plasma interactions in the filamentation of powerful ultrashort laser pulses in air. Optics Letters, 1997, 22, 1332. | 3.3 | 231 |
| 151 | ‹title›Scattering of the ultrashort ionizing laser pulse in gas‹/title›. , 1996, , . | | 0 |
| 152 | Influence of transient self-defocusing on the propagation of high-power femtosecond laser pulses in gases under ionisation conditions. Quantum Electronics, 1994, 24, 905-911. | 1.0 | 21 |