

J-P Wolf

List of Publications by Year in descending order

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309
papers

13,358
citations

28274

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27406

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. Structural Dynamics, 2022, 9, 014901.	2.3	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. Physical Review A, 2021, 103, .	2.5	46
4	Ultrafast pulse shaping modulates perceived visual brightness in living animals. Science Advances, 2021, 7, .	10.3	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. Optica, 2021, 8, 1256.	9.3	5
8	The laser lightning rod project. EPJ Applied Physics, 2021, 93, 10504.	0.7	26
9	Photocontrolled Release of the Anticancer Drug Chlorambucil with Caged Harmonic Nanoparticles. Helvetica Chimica Acta, 2020, 103, e1900251.	1.6	21
10	Multiorde Nonlinear Mixing in Metal Oxide Nanoparticles. Nano Letters, 2020, 20, 8725-8732.	9.1	20
11	Dispersion of the nonlinear susceptibility of MoS_2 and WS_2 from second-harmonic scattering spectroscopy. Physical Review B, 2020, 102, .	3.2	6
12	Femtosecond Soft-X-ray Absorption Spectroscopy of Liquids with a Water-Window High-Harmonic Source. Journal of Physical Chemistry Letters, 2020, 11, 1981-1988.	4.6	34
13	Wavelength-Selective Nonlinear Imaging and Photo-Induced Cell Damage by Dielectric Harmonic Nanoparticles. ACS Nano, 2020, 14, 4087-4095.	14.6	13
14	Molecular quantum wakes for clearing fog. Optics Express, 2020, 28, 11463.	3.4	12
15	Dynamics of the femtosecond laser-triggered spark gap. Optics Express, 2020, 28, 24599.	3.4	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. Physical Review A, 2019, 99, .	2.5	3

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19	Real-time and spatially resolved assessment of pathogens in crops for site-specific pesticide reduction strategies. BIO Web of Conferences, 2019, 15, 01019.	0.2	4
20	HV discharges triggered by dual- and triple-frequency laser filaments. Optics Express, 2019, 27, 11339.	3.4	6
21	Multi-Wavelength Laser Control of High-Voltage Discharges: From the Laboratory to SÃantis Mountain. , 2019, , .		0
22	Amplification of intense light fields by nearly free electrons. Nature Physics, 2018, 14, 695-700.	16.7	33
23	Bismuth ferrite dielectric nanoparticles excited at telecom wavelengths as multicolor sources by second, third, and fourth harmonic generation. Nanoscale, 2018, 10, 8146-8152.	5.6	14
24	Short-pulse lasers for weather control. Reports on Progress in Physics, 2018, 81, 026001.	20.1	58
25	OncoCilAirâ„¢: A physiological in vitro platform to assess the efficacy and the toxicity of lung cancer therapeutics. Toxicology Letters, 2018, 295, S122.	0.8	1
26	Live cells assessment of opto-poration by a single femtosecond temporal Airy laser pulse. AIP Advances, 2018, 8, 125105.	1.3	9
27	Chapter 5 Quantum Aspects of Biophotonics. NATO Science for Peace and Security Series B: Physics and Biophysics, 2018, , 97-116.	0.3	0
28	Modifications of filament spectra by shaped octave-spanning laser pulses. Physical Review A, 2018, 98, .	2.5	1
29	Maximizing energy deposition by shaping few-cycle laser pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 135402.	1.5	4
30	Localized plasmonic fields of nanoantennas enhance second harmonic generation from two-dimensional molybdenum disulfide. MRS Communications, 2018, 8, 1029-1036.	1.8	6
31	High-order harmonic source spanning up to the oxygen K-edge based on filamentation pulse compression. Optics Express, 2018, 26, 11834.	3.4	47
32	Nonlinear THz spectroscopy and simulation of gated graphene. Journal of Physics Communications, 2018, 2, 065016.	1.2	2
33	Free space laser telecommunication through fog. Optica, 2018, 5, 1338.	9.3	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. NATO Science for Peace and Security Series B: Physics and Biophysics, 2018, , 399-400.	0.3	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.	12.6	292
39	Ultrafast Nano-Biophotonics. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 191-212.	0.3	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.	2.2	3
41	Folate-modified silicon carbide nanoparticles as multiphoton imaging nanoprobe for cancer-cell-specific labeling. RSC Advances, 2017, 7, 27361-27369.	3.6	15
42	Assessing the Dynamics of Organic Aerosols over the North Atlantic Ocean. Scientific Reports, 2017, 7, 45476.	3.3	11
43	Gas-Solid Phase Transition in Laser Multiple Filamentation. Physical Review Letters, 2017, 118, 133902.	7.8	6
44	Time-resolved monitoring of polycyclic aromatic hydrocarbons adsorbed on atmospheric particles. Environmental Science and Pollution Research, 2017, 24, 19517-19523.	5.3	3
45	Health state dependent multiphoton induced autofluorescence in human 3D in vitro lung cancer model. Scientific Reports, 2017, 7, 16233.	3.3	10
46	HV discharge acceleration by sequences of UV laser filaments with visible and near-infrared pulses. New Journal of Physics, 2017, 19, 123040.	2.9	10
47	Strong field transient manipulation of electronic states and bands. Structural Dynamics, 2017, 4, 061505.	2.3	5
48	Shockwave-assisted laser filament conductivity. Applied Physics Letters, 2017, 111, 211103.	3.3	1
49	Charge separation and carrier dynamics in donor-acceptor heterojunction photovoltaic systems. Structural Dynamics, 2017, 4, 061503.	2.3	13
50	Implications of short time scale dynamics on long time processes. Structural Dynamics, 2017, 4, 061507.	2.3	24
51	Linearity of charge measurement in laser filaments. Optics Express, 2017, 25, 16517.	3.4	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.	5.7	12
54	Multi-Order Investigation of the Nonlinear Susceptibility Tensors of Individual Nanoparticles. Scientific Reports, 2016, 6, 25415.	3.3	16

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55	Laser vaporization of cirrus-like ice particles with secondary ice multiplication. Science Advances, 2016, 2, e1501912.	10.3	14
56	Discriminating Bio-aerosols from Non-Bio-aerosols in Real-Time by Pump-Probe Spectroscopy. Scientific Reports, 2016, 6, 33157.	3.3	5
57	High repetition rate ultrashort laser cuts a path through fog. Applied Physics Letters, 2016, 109, .	3.3	28
58	Optimal laser-pulse energy partitioning for air ionization. Physical Review A, 2016, 94, .	2.5	10
59	Triggering filamentation using turbulence. Physical Review A, 2016, 94, .	2.5	8
60	Conductivity and discharge guiding properties of mid-IR laser filaments. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	14
61	Dual-scale turbulence in filamenting laser beams at high average power. Physical Review A, 2016, 94, .	2.5	7
62	Spooky spectroscopy. Nature Photonics, 2016, 10, 77-79.	31.4	10
63	Sequential Proton Coupled Electron Transfer (PCET): Dynamics Observed over 8 Orders of Magnitude in Time. Journal of the American Chemical Society, 2016, 138, 4401-4407.	13.7	21
64	Nonlinear optical properties of silicon carbide (SiC) nanoparticles by carbothermal reduction. , 2016, , .		2
65	Spin-Glass Model Governs Laser Multiple Filamentation. Physical Review Letters, 2015, 115, 033902.	7.8	8
66	Non-linear photochemical pathways in laser-induced atmospheric aerosol formation. Scientific Reports, 2015, 5, 14978.	3.3	17
67	Remote electrical arc suppression by laser filamentation. Optics Express, 2015, 23, 28640.	3.4	19
68	Cellular uptake and biocompatibility of bismuth ferrite harmonic advanced nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 815-824.	3.3	33
69	Biosensing Instrumentation. NATO Science for Peace and Security Series B: Physics and Biophysics, 2015, , 131-152.	0.3	1
70	Nonlinear synthesis of complex laser waveforms at remote distances. Physical Review A, 2015, 91, .	2.5	9
71	Laser Filamentation as a New Phase Transition Universality Class. Physical Review Letters, 2015, 114, 063903.	7.8	16
72	Plasmonic Tipless Pyramid Arrays for Cell Poration. Nano Letters, 2015, 15, 4461-4466.	9.1	23

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73	Simultaneous Multiharmonic Imaging of Nanoparticles in Tissues for Increased Selectivity. ACS Photonics, 2015, 2, 1416-1422.	6.6	34
74	Reversibility of laser filamentation. Optics Express, 2014, 22, 21061.	3.4	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.	3.4	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, .	2.5	32
78	Molecular alignment and filamentation: Comparison between weak- and strong-field models. Physical Review A, 2014, 90, .	2.5	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.	13.7	1,106
81	Deep UV generation and direct DNA photo-interaction by harmonic nanoparticles in labelled samples. Nanoscale, 2014, 6, 2929-2936.	5.6	12
82	White-light femtosecond Lidar at 100ÂTW power level. Applied Physics B: Lasers and Optics, 2014, 114, 319-325.	2.2	23
83	Harmonic Nanoparticles for Regenerative Research. Journal of Visualized Experiments, 2014, , .	0.3	1
84	Discriminability of tryptophan containing dipeptides using quantum control. Applied Physics B: Lasers and Optics, 2013, 111, 541-549.	2.2	7
85	Cooperative effect of ultraviolet and near-infrared beams in laser-induced condensation. Applied Physics Letters, 2013, 103, .	3.3	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.	7.1	28
87	Characterization of the nonlinear optical properties of nanocrystals by Hyper Rayleigh Scattering. Journal of Nanobiotechnology, 2013, 11, S8.	9.1	44
88	High-Field Quantum Calculation Reveals Time-Dependent Negative Kerr Contribution. Physical Review Letters, 2013, 110, 043902.	7.8	46
89	Laser-induced condensation by ultrashort laser pulses at 248â€“nm. Applied Physics Letters, 2013, 102, .	3.3	16
90	Optimal Dynamic Discrimination in Tryptophan-Containing Dipeptides. EPJ Web of Conferences, 2013, 41, 07012.	0.3	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.	0.3	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.	3.3	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.	5.9	126
96	A flash-lamp based device for fluorescence detection and identification of individual pollen grains. Review of Scientific Instruments, 2013, 84, 033302.	1.3	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.	4.9	25
99	Laser Filament Induced Water Condensation. EPJ Web of Conferences, 2013, 41, 12008.	0.3	0
100	Higher-order Kerr effects improve quantitative modelling of harmonics generation and laser filamentation. EPJ Web of Conferences, 2013, 41, 12007.	0.3	0
101	Deep UV Strategy for Discriminating Biomolecules. NATO Science for Peace and Security Series B: Physics and Biophysics, 2013, , 393-394.	0.3	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.	3.3	10
104	White light generation over three octaves by femtosecond filament at 39Âµm in argon. Optics Letters, 2012, 37, 3456.	3.3	67
105	Direct amplitude shaping of high harmonics in the extreme ultraviolet. Optics Express, 2012, 20, 25843.	3.4	7
106	Coherent manipulation of free amino acids fluorescence. Physical Chemistry Chemical Physics, 2012, 14, 9317.	2.8	15
107	Highâ€Speed Tracking of Murine Cardiac Stem Cells by Harmonic Nanodoublers. Small, 2012, 8, 2752-2756.	10.0	34
108	Nonlinear Correlation Spectroscopy (NLCS). Nano Letters, 2012, 12, 1668-1672.	9.1	42

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109	Harmonic Nanocrystals for Biolabeling: A Survey of Optical Properties and Biocompatibility. ACS Nano, 2012, 6, 2542-2549.	14.6	174
110	Laser-assisted water condensation in the atmosphere: a step towards modulating precipitation?. Journal Physics D: Applied Physics, 2012, 45, 293001.	2.8	18
111	Ultrafast laser spectroscopy and control of atmospheric aerosols. Physical Chemistry Chemical Physics, 2012, 14, 9291.	2.8	7
112	Multijoule scaling of laser-induced condensation in air. Applied Physics Letters, 2011, 99, .	3.3	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.	3.1	54
114	Transition from Plasma-Driven to Kerr-Driven Laser Filamentation. Physical Review Letters, 2011, 106, 243902.	7.8	95
115	Spectral phase, amplitude, and spatial modulation from ultraviolet to infrared with a reflective MEMS pulse shaper. Optics Express, 2011, 19, 7580.	3.4	20
116	Individual bioaerosol particle discrimination by multi-photon excited fluorescence. Optics Express, 2011, 19, 24516.	3.4	41
117	From higher-order Kerr nonlinearities to quantitative modeling of third and fifth harmonic generation in argon. Optics Letters, 2011, 36, 828.	3.3	26
118	Shaping light with MOEMS. , 2011, , .		2
119	Discriminating Biomolecules with Coherent Control Strategies. Chimia, 2011, 65, 346.	0.6	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.	2.5	8
121	On negative higher-order Kerr effect and filamentation. Laser Physics, 2011, 21, 1319-1328.	1.2	40
122	Modelling of HNO ₃ -mediated laser-induced condensation: A parametric study. Journal of Chemical Physics, 2011, 135, 134703.	3.0	18
123	1-J white-light continuum from 100-TW laser pulses. Physical Review A, 2011, 83, .	2.5	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.	1.3	10
125	Influence of pulse duration, energy, and focusing on laser-assisted water condensation. Applied Physics Letters, 2011, 98, .	3.3	18
126	Field measurements suggest the mechanism of laser-assisted water condensation. Nature Communications, 2011, 2, 456.	12.8	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.	0.3	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.	3.0	22
130	Saturation of the filament density of ultrashort intense laser pulses in air. Applied Physics B: Lasers and Optics, 2010, 100, 77-84.	2.2	40
131	Filament-induced laser machining (FILM). Applied Physics B: Lasers and Optics, 2010, 100, 515-520.	2.2	49
132	Laser-induced water condensation in air. Nature Photonics, 2010, 4, 451-456.	31.4	179
133	Publisher's Note: Spectral dependence of purely-Kerr-driven filamentation in air and argon [Phys. Rev. A 82, 033826 (2010)]. Physical Review A, 2010, 82, .	2.5	1
134	Spectral dependence of purely-Kerr-driven filamentation in air and argon. Physical Review A, 2010, 82, .	2.5	28
135	Mechanism of hollow-core-fiber infrared-supercontinuum compression with bulk material. Physical Review A, 2010, 81, .	2.5	41
136	Compression of 1.8-µm laser pulses to sub two optical cycles with bulk material. Applied Physics Letters, 2010, 96, .	3.3	126
137	How Shaped Light Discriminates Nearly Identical Biochromophores. Physical Review Letters, 2010, 105, 073003.	7.8	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.	3.4	62
140	Evanescent-Field-Induced Second Harmonic Generation by Noncentrosymmetric Nanoparticles. Optics Express, 2010, 18, 23218.	3.4	32
141	Arbitrary-order nonlinear contribution to self-steepening. Optics Letters, 2010, 35, 2795.	3.3	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.	3.3	19
143	Mobile source of high-energy single-cycle terahertz pulses. Applied Physics B: Lasers and Optics, 2010, 101, 11-14.	2.2	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, .	3.3	55
146	Higher-Order Kerr Terms Allow Ionization-Free Filamentation in Gases. Physical Review Letters, 2010, 104, 103903.	7.8	235
147	Quantum Control of Tightly Competitive Product Channels. Physical Review Letters, 2009, 102, 253001.	7.8	99
148	Contribution of water droplets to charge release by laser filaments in air. Applied Physics Letters, 2009, 95, 091107.	3.3	27
149	White-light symmetrization by the interaction of multifilamenting beams. Physical Review A, 2009, 79, .	2.5	15
150	Laser Beams Take a Curve. Science, 2009, 324, 194-195.	12.6	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.	2.2	10
153	Characterization of a MEMS-based pulse-shaping device in the deep ultraviolet. Applied Physics B: Lasers and Optics, 2009, 96, 757-761.	2.2	27
154	An inexpensive nonlinear medium for intense ultrabroadband pulse characterization. Applied Physics B: Lasers and Optics, 2009, 97, 537-540.	2.2	9
155	Filament-induced birefringence in Argon. Laser Physics, 2009, 19, 336-341.	1.2	5
156	Ultraviolet-visible conical emission by multiple laser filaments. Optics Express, 2009, 17, 4726.	3.4	29
157	Optical rogue wave statistics in laser filamentation. Optics Express, 2009, 17, 12070.	3.4	69
158	Nanodoublers as deep imaging markers for multi-photon microscopy. Optics Express, 2009, 17, 15342.	3.4	71
159	Control of lasing filament arrays in nonlinear liquid media. Applied Physics B: Lasers and Optics, 2008, 90, 383-390.	2.2	8
160	Angular distribution of non-linear optical emission from spheroidal microparticles. Applied Physics B: Lasers and Optics, 2008, 91, 167-171.	2.2	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.	3.3	141

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163	Physics and applications of atmospheric nonlinear optics and filamentation. Optics Express, 2008, 16, 466.	3.4	313
164	Electric events synchronized with laser filaments in thunderclouds. Optics Express, 2008, 16, 5757.	3.4	152
165	Ultrafast gaseous π -half-wave plate. Optics Express, 2008, 16, 7564.	3.4	44
166	Nano-FROG: Frequency resolved optical gating by a nanometric object. Optics Express, 2008, 16, 10405.	3.4	45
167	Dual-color co-filamentation in Argon. Optics Express, 2008, 16, 14115.	3.4	19
168	Identification of biological microparticles using ultrafast depletion spectroscopy. Faraday Discussions, 2008, 137, 37-49.	3.2	18
169	Ultrashort filaments of light in weakly ionized, optically transparent media. Reports on Progress in Physics, 2008, 71, 109801.	20.1	7
170	Cross compression of light bullets by two-color cofilamentation. Physical Review A, 2008, 78, .	2.5	8
171	Effects of atmospheric turbulence on remote optimal control experiments. Applied Physics Letters, 2008, 92, 041103.	3.3	7
172	Femtosecond pump-probe experiments on trapped flavin: Optical control of dissociation. Journal of Chemical Physics, 2008, 128, 075103.	3.0	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.	3.3	62
175	Multiobjective genetic approach for optimal control of photoinduced processes. Physical Review A, 2007, 76, .	2.5	32
176	32TW atmospheric white-light laser. Applied Physics Letters, 2007, 90, 151106.	3.3	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.	3.4	14
179	Ultrashort filaments of light in weakly ionized, optically transparent media. Reports on Progress in Physics, 2007, 70, 1633-1713.	20.1	939
180	TW lasers in air: ultra-high powers and optimal control strategies. Proceedings of SPIE, 2007, , .	0.8	0

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181	Spectral correlation and noise reduction in laser filaments. Applied Physics B: Lasers and Optics, 2007, 87, 1-4.	2.2	18
182	Polar Fe(IO ₃) ₃ nanocrystals as local probes for nonlinear microscopy. Applied Physics B: Lasers and Optics, 2007, 87, 399-403.	2.2	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.	3.3	97
188	Laser noise reduction in air. Applied Physics Letters, 2006, 88, 251112.	3.3	10
189	Improved laser triggering and guiding of meqavolt discharges with dual fs-ns pulses. Applied Physics Letters, 2006, 88, 021101.	3.3	57
190	Laser filaments generated and transmitted in highly turbulent air. Optics Letters, 2006, 31, 86.	3.3	69
191	Spectroscopie pompe-sonde pour la dÃ©tection de bioaÃ©rosols. European Physical Journal Special Topics, 2006, 135, 185-186.	0.2	0
192	Femtosecond pump-repump depletion to sort biological particles from background urban particles. , 2006, , .		0
193	Discriminating bacteria from other atmospheric particles using femtosecond molecular dynamics. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 180, 300-306.	3.9	23
194	Femtosecond time-resolved laser-induced breakdown spectroscopy for detection and identification of bacteria: A comparison to the nanosecond regime. Journal of Applied Physics, 2006, 99, 084701.	2.5	161
195	Influence of negative leader propagation on the triggering and guiding of high voltage discharges by laser filaments. Applied Physics B: Lasers and Optics, 2006, 82, 561-566.	2.2	53
196	UVâ€™Supercontinuum generated by femtosecond pulse filamentation in air: Meter-range experiments versus numerical simulations. Applied Physics B: Lasers and Optics, 2006, 82, 341-345.	2.2	29
197	LIDAR-Monitoring of the Air with Femtosecond Plasma Channels. Advances in Atomic, Molecular and Optical Physics, 2006, , 413-441.	2.3	5
198	Spectral signature of native CN bonds for bacterium detection and identification using femtosecond laser-induced breakdown spectroscopy. Applied Physics Letters, 2006, 88, 063901.	3.3	145

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199	Self-organized bundle of lasing filaments in dense media. Physical Review A, 2006, 73, .	2.5	12
200	Optimal control of filamentation in air. Applied Physics Letters, 2006, 89, 171117.	3.3	50
201	Interfering Lasing Filaments in Dense Absorbing Media. , 2006, , .		0
202	Filament-induced remote surface ablation for long range laser-induced breakdown spectroscopy operation. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 1025-1033.	2.9	102
203	Propagation of fs TW laser filaments in adverse atmospheric conditions. Applied Physics B: Lasers and Optics, 2005, 80, 785-789.	2.2	78
204	Multifilamentation transmission through fog. Physical Review E, 2005, 72, 026611.	2.1	85
205	Femtosecond laser pulses distinguish bacteria from background urban aerosols. Applied Physics Letters, 2005, 87, 063901.	3.3	25
206	Optimal dynamic discrimination of similar quantum systems with time series data. Journal of Chemical Physics, 2005, 122, 154103.	3.0	34
207	White-light filaments for multiparameter analysis of cloud microphysics. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 369.	2.1	37
208	Deciphering output coupling mechanisms in spiral microcavities with femtosecond light bullets. Optics Letters, 2005, 30, 738.	3.3	15
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