

J-P Wolf

List of Publications by Year in descending order

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309
papers

13,358
citations

28190

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27345

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323
docs citations

323
times ranked

8683
citing authors

#	ARTICLE	IF	CITATIONS
1	Organometal Halide Perovskite Solar Cell Materials Rationalized: Ultrafast Charge Generation, High and Microsecond-Long Balanced Mobilities, and Slow Recombination. <i>Journal of the American Chemical Society</i> , 2014, 136, 5189-5192.	6.6	1,106
2	Ultrashort filaments of light in weakly ionized, optically transparent media. <i>Reports on Progress in Physics</i> , 2007, 70, 1633-1713.	8.1	939
3	White-Light Filaments for Atmospheric Analysis. <i>Science</i> , 2003, 301, 61-64.	6.0	843
4	Physics and applications of atmospheric nonlinear optics and filamentation. <i>Optics Express</i> , 2008, 16, 466.	1.7	313
5	Time-resolved x-ray absorption spectroscopy with a water window high-harmonic source. <i>Science</i> , 2017, 355, 264-267.	6.0	292
6	Kilometer-range nonlinear propagation of femtosecond laser pulses. <i>Physical Review E</i> , 2004, 69, 036607.	0.8	260
7	Triggering and guiding megavolt discharges by use of laser-induced ionized filaments. <i>Optics Letters</i> , 2002, 27, 772.	1.7	255
8	Long-distance remote laser-induced breakdown spectroscopy using filamentation in air. <i>Applied Physics Letters</i> , 2004, 85, 3977-3979.	1.5	244
9	Higher-Order Kerr Terms Allow Ionization-Free Filamentation in Gases. <i>Physical Review Letters</i> , 2010, 104, 103903.	2.9	235
10	Probing the Transition from van der Waals to Metallic Mercury Clusters. <i>Physical Review Letters</i> , 1988, 60, 275-278.	2.9	228
11	Infrared extension of the supercontinuum generated by femtosecond terawatt laser pulses propagating in the atmosphere. <i>Optics Letters</i> , 2000, 25, 1397.	1.7	222
12	Laser-induced water condensation in air. <i>Nature Photonics</i> , 2010, 4, 451-456.	15.6	179
13	Multiple Filamentation of Terawatt Laser Pulses in Air. <i>Physical Review Letters</i> , 2004, 92, 225002.	2.9	178
14	Harmonic Nanocrystals for Biolabeling: A Survey of Optical Properties and Biocompatibility. <i>ACS Nano</i> , 2012, 6, 2542-2549.	7.3	174
15	Teramobile: A mobile femtosecond-terawatt laser and detection system. <i>EPJ Applied Physics</i> , 2002, 20, 183-190.	0.3	170
16	Femtosecond time-resolved laser-induced breakdown spectroscopy for detection and identification of bacteria: A comparison to the nanosecond regime. <i>Journal of Applied Physics</i> , 2006, 99, 084701.	1.1	161
17	Evolution of the electronic structure of lithium clusters between four and eight atoms. <i>Journal of Chemical Physics</i> , 1992, 96, 1793-1809.	1.2	160
18	Electric events synchronized with laser filaments in thunderclouds. <i>Optics Express</i> , 2008, 16, 5757.	1.7	152

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19	Spectral signature of native CN bonds for bacterium detection and identification using femtosecond laser-induced breakdown spectroscopy. <i>Applied Physics Letters</i> , 2006, 88, 063901.	1.5	145
20	Generation of 30 $\hat{1}$ / ₄ J single-cycle terahertz pulses at 100 Hz repetition rate by optical rectification. <i>Optics Letters</i> , 2008, 33, 2497.	1.7	141
21	Ultraintense light filaments transmitted through clouds. <i>Applied Physics Letters</i> , 2003, 83, 213-215.	1.5	139
22	Remote LIBS with ultrashort pulses: characteristics in picosecond and femtosecond regimes. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 437-444.	1.6	127
23	Compression of 1.8 $\hat{1}$ / ₄ m laser pulses to sub two optical cycles with bulk material. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	126
24	Real-time recording of circadian liver gene expression in freely moving mice reveals the phase-setting behavior of hepatocyte clocks. <i>Genes and Development</i> , 2013, 27, 1526-1536.	2.7	126
25	Filamentation of femtosecond light pulses in the air: Turbulent cells versus long-range clusters. <i>Physical Review E</i> , 2004, 70, 046602.	0.8	102
26	Filament-induced remote surface ablation for long range laser-induced breakdown spectroscopy operation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 1025-1033.	1.5	102
27	Quantum Control of Tightly Competitive Product Channels. <i>Physical Review Letters</i> , 2009, 102, 253001.	2.9	99
28	Polar Fe(IO ₃) ₃ nanocrystals as local probes for nonlinear microscopy. <i>Applied Physics B: Lasers and Optics</i> , 2007, 87, 399-403.	1.1	98
29	Discrimination of microbiological samples using femtosecond laser-induced breakdown spectroscopy. <i>Applied Physics Letters</i> , 2006, 89, 163903.	1.5	97
30	Remote detection and identification of biological aerosols using a femtosecond terawatt lidar system. <i>Applied Physics B: Lasers and Optics</i> , 2004, 78, 535-537.	1.1	95
31	Transition from Plasma-Driven to Kerr-Driven Laser Filamentation. <i>Physical Review Letters</i> , 2011, 106, 243902.	2.9	95
32	Size-Selective Depletion Spectroscopy of Predissociated States of Na ₃ . <i>Physical Review Letters</i> , 1986, 57, 1851-1854.	2.9	90
33	White-Light Nanosource with Directional Emission. <i>Physical Review Letters</i> , 2002, 89, 035002.	2.9	90
34	Sonographic probing of laser filaments in air. <i>Applied Optics</i> , 2003, 42, 7117.	2.1	89
35	Towards a supercontinuum-based infrared lidar. <i>Applied Physics B: Lasers and Optics</i> , 2003, 77, 357-359.	1.1	86
36	Multifilamentation transmission through fog. <i>Physical Review E</i> , 2005, 72, 026611.	0.8	85

#	ARTICLE	IF	CITATIONS
37	Supercontinuum emission and enhanced self-guiding of infrared femtosecond filaments sustained by third-harmonic generation in air. <i>Physical Review E</i> , 2005, 71, 016602.	0.8	80
38	Propagation of fs TW laser filaments in adverse atmospheric conditions. <i>Applied Physics B: Lasers and Optics</i> , 2005, 80, 785-789.	1.1	78
39	Enhanced Backward-Directed Multiphoton-Excited Fluorescence from Dielectric Microcavities. <i>Physical Review Letters</i> , 2000, 85, 54-57.	2.9	71
40	Backward supercontinuum emission from a filament generated by ultrashort laser pulses in air. <i>Optics Letters</i> , 2001, 26, 533.	1.7	71
41	Nanodoublers as deep imaging markers for multi-photon microscopy. <i>Optics Express</i> , 2009, 17, 15342.	1.7	71
42	Laser filaments generated and transmitted in highly turbulent air. <i>Optics Letters</i> , 2006, 31, 86.	1.7	69
43	Optical rogue wave statistics in laser filamentation. <i>Optics Express</i> , 2009, 17, 12070.	1.7	69
44	Field measurements suggest the mechanism of laser-assisted water condensation. <i>Nature Communications</i> , 2011, 2, 456.	5.8	67
45	White light generation over three octaves by femtosecond filament at 390 nm in argon. <i>Optics Letters</i> , 2012, 37, 3456.	1.7	67
46	Mobile source of high-energy single-cycle terahertz pulses. <i>Applied Physics B: Lasers and Optics</i> , 2010, 101, 11-14.	1.1	66
47	Competition between planar and nonplanar structure in alkali hexamers: The example of Li ₆ . <i>Physical Review Letters</i> , 1991, 67, 2638-2641.	2.9	65
48	Triggering and guiding of megavolt discharges by laser-induced filaments under rain conditions. <i>Applied Physics Letters</i> , 2004, 85, 5781-5783.	1.5	64
49	Propagation of laser filaments through an extended turbulent region. <i>Applied Physics Letters</i> , 2007, 91, 171106.	1.5	62
50	Generalized Miller Formula. <i>Optics Express</i> , 2010, 18, 6613.	1.7	62
51	Free space laser telecommunication through fog. <i>Optica</i> , 2018, 5, 1338.	4.8	62
52	Efficient and stable pulsed laser operation of Ce:LiLuF ₄ around 308 nm. <i>Optics Communications</i> , 1998, 146, 163-166.	1.0	60
53	Short-pulse lasers for weather control. <i>Reports on Progress in Physics</i> , 2018, 81, 026001.	8.1	58
54	Spectroscopy of Na ₃ . <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1986, 3, 131-136.	1.0	57

#	ARTICLE	IF	CITATIONS
55	Improved laser triggering and guiding of meqavolt discharges with dual fs-ns pulses. Applied Physics Letters, 2006, 88, 021101.	1.5	57
56	How Shaped Light Discriminates Nearly Identical Biochromophores. Physical Review Letters, 2010, 105, 073003.	2.9	57
57	Production of ozone and nitrogen oxides by laser filamentation. Applied Physics Letters, 2010, 97, .	1.5	55
58	High resolution spectroscopy of small metal clusters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1991, 19, 7-12.	1.0	54
59	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
60	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.	1.1	53
61	Mid-infrared laser filamentation in molecular gases. Optics Letters, 2013, 38, 3194.	1.7	53
62	A flash-lamp based device for fluorescence detection and identification of individual pollen grains. Review of Scientific Instruments, 2013, 84, 033302.	0.6	52
63	Optimal control of filamentation in air. Applied Physics Letters, 2006, 89, 171117.	1.5	50
64	Angular Dependences of Third Harmonic Generation from Microdroplets. Physical Review Letters, 1997, 78, 2952-2955.	2.9	49
65	Filament-induced laser machining (FILM). Applied Physics B: Lasers and Optics, 2010, 100, 515-520.	1.1	49
66	Vibronic structure of the Na ₃ ground state by stimulated emission spectroscopy. Physical Review Letters, 1989, 62, 2100-2103.	2.9	48
67	Characterization of urban aerosols using SEM-microscopy, X-ray analysis and Lidar measurements. Atmospheric Environment, 1998, 32, 2957-2967.	1.9	48
68	High-order harmonic source spanning up to the oxygen K-edge based on filamentation pulse compression. Optics Express, 2018, 26, 11834.	1.7	47
69	High-resolution one- and two-photon spectra of matrix-isolated anthracene. Chemical Physics, 1994, 181, 185-208.	0.9	46
70	High-Field Quantum Calculation Reveals Time-Dependent Negative Kerr Contribution. Physical Review Letters, 2013, 110, 043902.	2.9	46
71	Energy-time-entangled two-photon molecular absorption. Physical Review A, 2021, 103, .	1.0	46
72	Spectroscopy of vibrational ground-state levels of sodium molecule (Na ₃). The Journal of Physical Chemistry, 1987, 91, 2626-2630.	2.9	45

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73	Nano-FROG: Frequency resolved optical gating by a nanometric object. <i>Optics Express</i> , 2008, 16, 10405.	1.7	45
74	Vibronic structure of the Li3 ground state. <i>Chemical Physics Letters</i> , 1990, 175, 555-560.	1.2	44
75	Ultrafast gaseous π -half-wave plate. <i>Optics Express</i> , 2008, 16, 7564.	1.7	44
76	Characterization of the nonlinear optical properties of nanocrystals by Hyper Rayleigh Scattering. <i>Journal of Nanobiotechnology</i> , 2013, 11, S8.	4.2	44
77	High-speed, high-sensitivity aerosol fluorescence spectrum detection using a 32-anode photomultiplier tube detector. <i>Review of Scientific Instruments</i> , 2001, 72, 1831.	0.6	43
78	Stimulated emission spectroscopy of the ground state of Na3. <i>Journal of Chemical Physics</i> , 1989, 90, 4620-4622.	1.2	42
79	Nonlinear Correlation Spectroscopy (NLCS). <i>Nano Letters</i> , 2012, 12, 1668-1672.	4.5	42
80	First observation of an electronically excited state of Li3. <i>Physical Review Letters</i> , 1989, 63, 1946-1949.	2.9	41
81	Electronic and vibronic structure of Li4 observed by depletion spectroscopy. <i>Physical Review A</i> , 1990, 42, 6954-6957.	1.0	41
82	Mechanism of hollow-core-fiber infrared-supercontinuum compression with bulk material. <i>Physical Review A</i> , 2010, 81, .	1.0	41
83	Individual bioaerosol particle discrimination by multi-photon excited fluorescence. <i>Optics Express</i> , 2011, 19, 24516.	1.7	41
84	Use of lidar measurements and numerical models in air pollution research. <i>Journal of Geophysical Research</i> , 1990, 95, 9879-9894.	3.3	40
85	Saturation of the filament density of ultrashort intense laser pulses in air. <i>Applied Physics B: Lasers and Optics</i> , 2010, 100, 77-84.	1.1	40
86	On negative higher-order Kerr effect and filamentation. <i>Laser Physics</i> , 2011, 21, 1319-1328.	0.6	40
87	A four-wavelength depolarization backscattering LIDAR for polar stratospheric cloud monitoring. <i>Applied Physics B: Lasers and Optics</i> , 1992, 55, 13-17.	1.1	39
88	Plasma formation dynamics within a water microdroplet on femtosecond time scales. <i>Optics Letters</i> , 2003, 28, 206.	1.7	38
89	A Puff of Air Sorts Bioaerosols for Pathogen Identification. <i>Aerosol Science and Technology</i> , 2004, 38, 598-602.	1.5	38
90	Stratospheric aerosol size distributions from multispectral lidar measurements at Sodankylä during EASOE. <i>Geophysical Research Letters</i> , 1994, 21, 1311-1314.	1.5	37

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91	White-light filaments for multiparameter analysis of cloud microphysics. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 369.	0.9	37
92	Derivation of Mount Pinatubo stratospheric aerosol mean size distribution by means of a multiwavelength lidar. <i>Applied Optics</i> , 1994, 33, 5690.	2.1	35
93	Temperature measurement of sputtered metal dimers. <i>Physical Review B</i> , 1986, 33, 6792-6797.	1.1	34
94	Optimal dynamic discrimination of similar quantum systems with time series data. <i>Journal of Chemical Physics</i> , 2005, 122, 154103.	1.2	34
95	32TW atmospheric white-light laser. <i>Applied Physics Letters</i> , 2007, 90, 151106.	1.5	34
96	High-speed Tracking of Murine Cardiac Stem Cells by Harmonic Nanodoublers. <i>Small</i> , 2012, 8, 2752-2756.	5.2	34
97	Simultaneous Multiharmonic Imaging of Nanoparticles in Tissues for Increased Selectivity. <i>ACS Photonics</i> , 2015, 2, 1416-1422.	3.2	34
98	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
99	New UV tunable solid-state lasers for lidar applications. <i>Applied Physics B: Lasers and Optics</i> , 1995, 61, 117-120.	1.1	33
100	Femtosecond pump-probe experiments on trapped flavin: Optical control of dissociation. <i>Journal of Chemical Physics</i> , 2008, 128, 075103.	1.2	33
101	Cellular uptake and biocompatibility of bismuth ferrite harmonic advanced nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 815-824.	1.7	33
102	Amplification of intense light fields by nearly free electrons. <i>Nature Physics</i> , 2018, 14, 695-700.	6.5	33
103	Lifetimes and relaxation processes in electronically excited states of Na ₃ . <i>Chemical Physics Letters</i> , 1988, 145, 232-236.	1.2	32
104	Backward-enhanced fluorescence from clusters of microspheres and particles of tryptophan. <i>Applied Optics</i> , 2002, 41, 2994.	2.1	32
105	Backward enhanced emission from multiphoton processes in aerosols. <i>Applied Physics B: Lasers and Optics</i> , 2002, 75, 145-152.	1.1	32
106	Multiobjective genetic approach for optimal control of photoinduced processes. <i>Physical Review A</i> , 2007, 76, .	1.0	32
107	Evanescent-Field-Induced Second Harmonic Generation by Noncentrosymmetric Nanoparticles. <i>Optics Express</i> , 2010, 18, 23218.	1.7	32
108	Nonlinear optical and magnetic properties of BiFeO ₃ harmonic nanoparticles. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	32

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109	Spectroscopy of the predissociated C state of Na ₃ . Journal of Chemical Physics, 1989, 90, 843-851.	1.2	31
110	Simultaneous NO and NO ₂ DIAL measurement using BBO crystals. Applied Optics, 1989, 28, 2052.	2.1	31
111	UV Supercontinuum generated by femtosecond pulse filamentation in air: Meter-range experiments versus numerical simulations. Applied Physics B: Lasers and Optics, 2006, 82, 341-345.	1.1	29
112	Ultraviolet-visible conical emission by multiple laser filaments. Optics Express, 2009, 17, 4726.	1.7	29
113	Dynamics of photon-induced degradation and fluorescence in riboflavin microparticles. Applied Physics B: Lasers and Optics, 2001, 72, 449-454.	1.1	28
114	Spectral dependence of purely-Kerr-driven filamentation in air and argon. Physical Review A, 2010, 82, .	1.0	28
115	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
116	High repetition rate ultrashort laser cuts a path through fog. Applied Physics Letters, 2016, 109, .	1.5	28
117	Contribution of water droplets to charge release by laser filaments in air. Applied Physics Letters, 2009, 95, 091107.	1.5	27
118	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
119	From higher-order Kerr nonlinearities to quantitative modeling of third and fifth harmonic generation in argon. Optics Letters, 2011, 36, 828.	1.7	26
120	The laser lightning rod project. EPJ Applied Physics, 2021, 93, 10504.	0.3	26
121	Carcinogenicity assays of wood dust and wood additives in rats exposed by long-term inhalation. International Archives of Occupational and Environmental Health, 2001, 74, 109-118.	1.1	25
122	Femtosecond laser pulses distinguish bacteria from background urban aerosols. Applied Physics Letters, 2005, 87, 063901.	1.5	25
123	Laser filament-induced aerosol formation. Atmospheric Chemistry and Physics, 2013, 13, 4593-4604.	1.9	25
124	Comparative study of nitric oxide immission in the cities of Lyon, Geneva, and Stuttgart using a mobile differential absorption LIDAR system. Applied Physics B, Photophysics and Laser Chemistry, 1992, 54, 89-94.	1.5	24
125	Implications of short time scale dynamics on long time processes. Structural Dynamics, 2017, 4, 061507.	0.9	24
126	Time-resolved observation of molecular pseudorotation in Na ₃ . Chemical Physics Letters, 1993, 213, 554-558.	1.2	23

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127	A new transient SRS analysis method of aerosols and application to a nonlinear femtosecond lidar. Optics Communications, 1998, 152, 355-360.	1.0	23
128	Discriminating bacteria from other atmospheric particles using femtosecond molecular dynamics. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 180, 300-306.	2.0	23
129	Laser Beams Take a Curve. Science, 2009, 324, 194-195.	6.0	23
130	White-light femtosecond Lidar at 100ÂTW power level. Applied Physics B: Lasers and Optics, 2014, 114, 319-325.	1.1	23
131	Plasmonic Tipless Pyramid Arrays for Cell Poration. Nano Letters, 2015, 15, 4461-4466.	4.5	23
132	Latitudinal distribution of stratospheric aerosols during the EASOE winter 1991/92. Geophysical Research Letters, 1994, 21, 1283-1286.	1.5	22
133	Resolution of strongly competitive product channels with optimal dynamic discrimination: Application to flavins. Journal of Chemical Physics, 2011, 134, 034511.	1.2	22
134	Ballistic trajectories of optical wave packets within microcavities. Physical Review A, 2001, 64, .	1.0	21
135	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.	6.6	21
136	Photocontrolled Release of the Anticancer Drug Chlorambucil with Caged Harmonic Nanoparticles. Helvetica Chimica Acta, 2020, 103, e1900251.	1.0	21
137	Arbitrary-order nonlinear contribution to self-steepening. Optics Letters, 2010, 35, 2795.	1.7	20
138	Spectral phase, amplitude, and spatial modulation from ultraviolet to infrared with a reflective MEMS pulse shaper. Optics Express, 2011, 19, 7580.	1.7	20
139	Multiorde Nonlinear Mixing in Metal Oxide Nanoparticles. Nano Letters, 2020, 20, 8725-8732.	4.5	20
140	High-efficiency cluster laser vaporization sources based on Ti: sapphire lasers. Chemical Physics Letters, 1994, 224, 338-344.	1.2	19
141	Fourier-transform lidar. Optics Letters, 1995, 20, 2140.	1.7	19
142	Ray-tracing simulation of ionization-free filamentation. Applied Physics B: Lasers and Optics, 2004, 79, 947-951.	1.1	19
143	Dual-color co-filamentation in Argon. Optics Express, 2008, 16, 14115.	1.7	19
144	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

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145	Multijoule scaling of laser-induced condensation in air. Applied Physics Letters, 2011, 99, .	1.5	19
146	Remote electrical arc suppression by laser filamentation. Optics Express, 2015, 23, 28640.	1.7	19
147	Photoionization spectroscopy of small mercury clusters in the energy range from vacuum ultraviolet to soft x ray. Journal of Chemical Physics, 1995, 102, 680-689.	1.2	18
148	Measuring the electric charge in cloud droplets by use of second-harmonic generation. Optics Letters, 2005, 30, 759.	1.7	18
149	Spectral correlation and noise reduction in laser filaments. Applied Physics B: Lasers and Optics, 2007, 87, 1-4.	1.1	18
150	Identification of biological microparticles using ultrafast depletion spectroscopy. Faraday Discussions, 2008, 137, 37-49.	1.6	18
151	Modelling of HNO ₃ -mediated laser-induced condensation: A parametric study. Journal of Chemical Physics, 2011, 135, 134703.	1.2	18
152	Influence of pulse duration, energy, and focusing on laser-assisted water condensation. Applied Physics Letters, 2011, 98, .	1.5	18
153	Laser-assisted water condensation in the atmosphere: a step towards modulating precipitation?. Journal Physics D: Applied Physics, 2012, 45, 293001.	1.3	18
154	Two-photon absorption and fluorescence in a spherical micro-cavity illuminated by using two laser pulses: numerical simulations. Optics Communications, 2002, 208, 371-375.	1.0	17
155	Non-linear photochemical pathways in laser-induced atmospheric aerosol formation. Scientific Reports, 2015, 5, 14978.	1.6	17
156	1-f white-light continuum from 100-TW laser pulses. Physical Review A, 2011, 83, .	1.0	16
157	Laser-induced condensation by ultrashort laser pulses at 248 nm. Applied Physics Letters, 2013, 102, .	1.5	16
158	Laser Filamentation as a New Phase Transition Universality Class. Physical Review Letters, 2015, 114, 063903.	2.9	16
159	Multi-Order Investigation of the Nonlinear Susceptibility Tensors of Individual Nanoparticles. Scientific Reports, 2016, 6, 25415.	1.6	16
160	Deciphering output coupling mechanisms in spiral microcavities with femtosecond light bullets. Optics Letters, 2005, 30, 738.	1.7	15
161	White-light symmetrization by the interaction of multifilamenting beams. Physical Review A, 2009, 79, .	1.0	15
162	Coherent manipulation of free amino acids fluorescence. Physical Chemistry Chemical Physics, 2012, 14, 9317.	1.3	15

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163	Folate-modified silicon carbide nanoparticles as multiphoton imaging nanoprobe for cancer-cell-specific labeling. RSC Advances, 2017, 7, 27361-27369.	1.7	15
164	Laser noise compression by filamentation at 400 nm in argon. Optics Express, 2007, 15, 13295.	1.7	14
165	Progress towards lightning control using lasers. Journal of the European Optical Society-Rapid Publications, 0, 3, .	0.9	14
166	Laser vaporization of cirrus-like ice particles with secondary ice multiplication. Science Advances, 2016, 2, e1501912.	4.7	14
167	Conductivity and discharge guiding properties of mid-IR laser filaments. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	14
168	Bismuth ferrite dielectric nanoparticles excited at telecom wavelengths as multicolor sources by second, third, and fourth harmonic generation. Nanoscale, 2018, 10, 8146-8152.	2.8	14
169	Charge separation and carrier dynamics in donor-acceptor heterojunction photovoltaic systems. Structural Dynamics, 2017, 4, 061503.	0.9	13
170	Wavelength-Selective Nonlinear Imaging and Photo-Induced Cell Damage by Dielectric Harmonic Nanoparticles. ACS Nano, 2020, 14, 4087-4095.	7.3	13
171	Isotopic effects in pseudo-rotating homonuclear triatomic molecules. Application to Li ₃ . Chemical Physics Letters, 1994, 225, 28-36.	1.2	12
172	Multiwavelength lidar observation of thin cirrus at the base of the Pinatubo stratospheric layer during the EASOE Campaign. Geophysical Research Letters, 1994, 21, 1339-1342.	1.5	12
173	Dual-wavelength diode-seeded Ti:sapphire laser for differential absorption lidar applications. Applied Optics, 1997, 36, 6864.	2.1	12
174	Three-dimensional analysis of urban aerosols by use of a combined lidar, scanning electron microscopy, and x-ray microanalysis. Applied Optics, 1998, 37, 2231.	2.1	12
175	Size dependence of nonlinear Mie scattering in microdroplets illuminated by ultrashort pulses. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 1918.	0.9	12
176	3D-air quality model evaluation using the Lidar technique. Atmospheric Environment, 2002, 36, 5081-5095.	1.9	12
177	LIDAR mapping of ozone-episode dynamics in Paris and intercomparison with spot analyzers Supplementary material available at http://link.springer.de/journals/apb . Applied Physics B: Lasers and Optics, 2002, 74, 453-459.	1.1	12
178	Self-organized bundle of lasing filaments in dense media. Physical Review A, 2006, 73, .	1.0	12
179	Deep UV generation and direct DNA photo-interaction by harmonic nanoparticles in labelled samples. Nanoscale, 2014, 6, 2929-2936.	2.8	12
180	Temporal Airy pulses control cell poration. APL Photonics, 2016, 1, 046102.	3.0	12

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181	Molecular quantum wakes for clearing fog. <i>Optics Express</i> , 2020, 28, 11463.	1.7	12
182	Assessing the Dynamics of Organic Aerosols over the North Atlantic Ocean. <i>Scientific Reports</i> , 2017, 7, 45476.	1.6	11
183	Dynamics of the femtosecond laser-triggered spark gap. <i>Optics Express</i> , 2020, 28, 24599.	1.7	11
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185	Laser noise reduction in air. <i>Applied Physics Letters</i> , 2006, 88, 251112.	1.5	10
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