

# Weiwei Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/496166/publications.pdf>

Version: 2024-02-01

222  
papers

7,902  
citations

53794

45  
h-index

54911

84  
g-index

225  
all docs

225  
docs citations

225  
times ranked

4644  
citing authors

1	Enhanced Upconversion Photoluminescence Assisted by Flexoelectric Field in Oxide Nanomembranes. Laser and Photonics Reviews, 2022, 16, .	8.7	12
2	Control of upconversion luminescence by tailoring energy migration in doped perovskite superlattices. Optics Letters, 2022, 47, 1250.	3.3	4
3	Selective Catalytic Reduction of NO <sub>x</sub> by Methanol on Metal-Free Zeolite with Brønsted and Lewis Acid Pair. ACS Catalysis, 2022, 12, 2403-2414.	11.2	10
4	Molding 2D Exciton Flux toward Room Temperature Excitonic Devices. Advanced Materials Technologies, 2022, 7, .	5.8	2
5	Autostereoscopic-Raman Spectrometry-Based Three-Dimensional Metrology System for Measurements, Tracking and Identification in a Volume. Applied Sciences (Switzerland), 2022, 12, 3111.	2.5	3
6	Enhancement of multi-filament generation and filament-induced fluorescence by turbulence. Optics Communications, 2022, 517, 128290.	2.1	6
7	Interdigitated photoconductive antenna-based two-color femtosecond laser filamentation THz time-domain spectral detection. Optics Express, 2022, 30, 18562.	3.4	4
8	Filament-induced nonlinear hyperspectral fluorescence imaging. Optics and Lasers in Engineering, 2022, 156, 107109.	3.8	0
9	Experimental study on counter-propagating filaments in air. , 2022, 1, 1628.		2
10	In Situ Probing of Surface Acoustic Waves by Interfacing with Lanthanide Emitters. Advanced Optical Materials, 2021, 9, 2001760.	7.3	6
11	Computational investigation on the chiral differentiation of D- and L-penicillamine by Î <sup>2</sup> -cyclodextrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119277.	3.9	11
12	Femtosecond laser ablation of metal targets: The physical origin of the power law size distribution of nanoparticles. Optics and Laser Technology, 2021, 134, 106651.	4.6	6
13	Multi-wavelength annular optical pulses generated by double interferent femtosecond Bessel laser beams in silica glass. Optics and Lasers in Engineering, 2021, 136, 106330.	3.8	4
14	PtSe <sub>2</sub> —, è†œçš,,æ—¶é—á^†è¾“âªèµ«â...1â...%è°±ç%°1æ€Sç”ç©¶i¼^ç%°1é,€¼4%. Guangzi Xuebao/Acta Photonica Sinica, 2021, 5		
15	Effect of Pulse Separation Induced by Dual-wavelength Wave Plate on Terahertz Waves Radiation From Two-Color Field. Zhongguo Jiguang/Chinese Journal of Lasers, 2021, 48, 0314002.	1.2	2
16	External focusing dependence of spatial distribution of air lasers during femtosecond laser filamentation in air. Chinese Optics Letters, 2021, 19, 081402.	2.9	5
17	On-machine measurement method for micro-structured surface by integral imaging with workpiece rotating technique. Optical Engineering, 2021, 60, .	1.0	1
18	High Mobility 3D Dirac Semimetal (Cd <sub>3</sub> As <sub>2</sub> ) for Ultrafast Photoactive Terahertz Photonics. Advanced Functional Materials, 2021, 31, 2011011.	14.9	46

#	ARTICLE	IF	CITATIONS
19	Optimization method using nodal aberration theory for coaxial imaging systems with radial basis functions based on surface slope. <i>Applied Optics</i> , 2021, 60, 2722.	1.8	3
20	Recent Progress in Optical Control of Ferroelectric Polarization. <i>Advanced Optical Materials</i> , 2021, 9, 2002146.	7.3	37
21	Curved periodic ripples fabricated by double time-delayed femtosecond laser beams on the silicon surface. <i>Optics Express</i> , 2021, 29, 14326.	3.4	3
22	Drilling high aspect ratio holes by femtosecond laser filament with aberrations. <i>Frontiers of Optoelectronics</i> , 2021, 14, 522-528.	3.7	3
23	Raising the saturation point of fluorescence emitted by air optical filament via $\pi$ phase plate. <i>Optical Engineering</i> , 2021, 60, .	1.0	0
24	THz birefringence inside femtosecond laser filament in air. <i>Optics and Laser Technology</i> , 2021, 141, 107179.	4.6	5
25	Huangqi Guizhi Wuwu Decoction attenuates Podocyte cytoskeletal protein damage in IgA nephropathy rats by regulating AT1R/Nephrin/c-Abl pathway. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 111907.	5.6	10
26	Spectral domain Z-scan technique. <i>Optics and Lasers in Engineering</i> , 2021, 146, 106693.	3.8	7
27	Flat-top THz directional diagram of a DC-biased filament. <i>Optics Letters</i> , 2021, 46, 5497.	3.3	15
28	Nonlinear optical properties of human cornea measured by spectral domain Z-scan method. <i>Optics Express</i> , 2021, 29, 38870.	3.4	3
29	Balance of emission from THz sources in DC-biased and unbiased filaments in air. <i>Optics Express</i> , 2021, 29, 40687.	3.4	6
30	0.1THz super-resolution imaging based on 3D printed confocal waveguides. <i>Optics Communications</i> , 2020, 459, 124896.	2.1	21
31	Effect of Molecular Orbital Angular Momentum on the Spatial Distribution of Fluorescence during Femtosecond Laser Filamentation in Air. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 730-734.	4.6	11
32	A combined study on the skeletal vibration of aminopyrine by terahertz time-domain spectroscopy and DFT simulation. <i>Optik</i> , 2020, 208, 163913.	2.9	4
33	Palladium-Catalyzed Asymmetric [4+3]Cyclization Reaction of Fused 1,4-Azadienes with Amino-Trimethylenemethanes: Highly Stereoselective Construction of Chiral Fused Azepines. <i>Chinese Journal of Chemistry</i> , 2020, 38, 151-157.	4.9	42
34	Optical encryption scheme for multiple-image based on spatially angular multiplexing and computer generated hologram. <i>Optics and Lasers in Engineering</i> , 2020, 127, 105953.	3.8	16
35	In-situ tailoring upconversion processes from lanthanide ions doped ferroelectric films through piezoelectric strain. <i>Journal of Luminescence</i> , 2020, 219, 116914.	3.1	12
36	Effect of beam ellipticity on femtosecond laser multi-filamentation regulated by $\pi$ -phase plate. <i>Laser Physics Letters</i> , 2020, 17, 085402.	1.4	7

#	ARTICLE	IF	CITATIONS
37	Genetic algorithm for the location control of femtosecond laser filament. Scientific Reports, 2020, 10, 12878.	3.3	5
38	Fabricating THz spiral zone plate by high throughput femtosecond laser air filament direct writing. Scientific Reports, 2020, 10, 13965.	3.3	3
39	Printing special surface components for THz 2D and 3D imaging. Scientific Reports, 2020, 10, 20867.	3.3	6
40	Analysis of real-time spectral interference using a deep neural network to reconstruct multi-soliton dynamics in mode-locked lasers. APL Photonics, 2020, 5, .	5.7	9
41	Efficient Multifocal Structured Illumination Microscopy Utilizing a Spatial Light Modulator. Applied Sciences (Switzerland), 2020, 10, 4396.	2.5	1
42	Chiral differentiation of - and -penicillamine by $\beta$ -cyclodextrin: Investigated by IRMPD spectroscopy and theoretical simulations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 241, 118653.	3.9	8
43	Flexible and Rewritable Non-Volatile Photomemory Based on Inorganic Lanthanide-Doped Photochromic Thin Films. Advanced Optical Materials, 2020, 8, 1902125.	7.3	30
44	Corneal hydration assessment indicator based on terahertz time domain spectroscopy. Biomedical Optics Express, 2020, 11, 2073.	2.9	9
45	Femtosecond filament emergence between $\pi$ -shifted beamlets in air. Optics Express, 2020, 28, 1002.	3.4	12
46	Tightly focusing terahertz wave using gradient-type slotted grating based on spoof surface plasmons. Optics Express, 2020, 28, 16298.	3.4	5
47	Dispersion Characteristics of Potassium Tantalate Niobate Crystal Based on Electronically Controlled Beam Deflection. Guangxue Xuebao/Acta Optica Sinica, 2020, 40, 0826001.	1.2	0
48	Model of radial basis functions with slope-based shape factor and distribution for optical freeform surface. Optical Engineering, 2020, 59, .	1.0	1
49	Research Progress on Ultrafast Laser Filamentation. Zhongguo Jiguang/Chinese Journal of Lasers, 2020, 47, 0500003.	1.2	7
50	Tight focus and field enhancement of terahertz waves using a probe based on spoof surface plasmons. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 054201.	0.5	1
51	Vibration Spectral Component Analysis Based on Genetic Algorithm and Simulated Annealing Algorithm. Laser and Optoelectronics Progress, 2020, 57, 093001.	0.6	0
52	Review of Optical Measurement Methods for Corneal Water Content. Laser and Optoelectronics Progress, 2020, 57, 170001.	0.6	0
53	Antibacterial mechanism of peptide Cec4 against <i>Acinetobacter baumannii</i> . Infection and Drug Resistance, 2019, Volume 12, 2417-2428.	2.7	28
54	Nonlinear transparency window for ultraintense femtosecond laser pulses in the atmosphere. Physical Review A, 2019, 100, .	2.5	12

#	ARTICLE	IF	CITATIONS
55	Generation of Multi-Wavelength Light Pulses by Femtosecond Bessel Laser Beam in Silica Glass. IEEE Photonics Technology Letters, 2019, 31, 837-840.	2.5	3
56	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
57	A method for the reconstruction of multifocal structured illumination microscopy data with high efficiency. Scientific Reports, 2019, 9, 13378.	3.3	7
58	Concentration Measurement of Uniform Particles Based on Backscatter Sensing of Optical Fibers. Water (Switzerland), 2019, 11, 1955.	2.7	5
59	Ex vivo quantitative analysis of human corneal stroma dehydration by near-infrared absorption spectroscopy. Journal of Biophotonics, 2019, 12, e201800472.	2.3	7
60	Fast fabrication of THz devices by femtosecond laser direct writing with a galvanometer scanner. Laser Physics, 2019, 29, 065301.	1.2	6
61	Skew symmetric structure for ultra-broadband electromagnetic absorbing. Journal of Physics Communications, 2019, 3, 045003.	1.2	1
62	A combined experimental and theoretical study on the terahertz vibrations of water vapors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 214, 277-284.	3.9	14
63	Optical nonlinearities of alcoholic liquids under high-repetition-rate femtosecond lasers by single beam time-resolved eclipsed Z-scan. Optics and Laser Technology, 2019, 109, 643-647.	4.6	10
64	Printing flexible terahertz metasurface of optical transparency. Journal Physics D: Applied Physics, 2019, 52, 095107.	2.8	6
65	Numerical simulation on terahertz wave propagation in plasma channels. Optik, 2019, 182, 42-49.	2.9	3
66	Green and efficient synthesis of carbon quantum dots and their luminescent properties. Journal of Luminescence, 2019, 206, 158-163.	3.1	22
67	A 0.1-THz low-loss 3D printed hollow waveguide. Optik, 2019, 176, 611-616.	2.9	21
68	Method for Terahertz Radiation Enhancement Using Filament Array. Zhongguo Jiguang/Chinese Journal of Lasers, 2019, 46, 0614021.	1.2	1
69	Control of terahertz pulse polarization by two crossing DC fields during femtosecond laser filamentation in air. Journal of the Optical Society of America B: Optical Physics, 2019, 36, G1.	2.1	6
70	Ultrabroad and Angle Tunable THz Filter Based on Multiplexed Metallic Bar Resonators. IEEE Photonics Technology Letters, 2018, 30, 2103-2106.	2.5	13
71	Method to tune a high-order resonance of metamaterials for broadband. Optical Materials Express, 2018, 8, 2768.	3.0	3
72	Critical power for self-focusing of optical beam in absorbing media. Laser Physics, 2018, 28, 045407.	1.2	3

#	ARTICLE	IF	CITATIONS
73	Clue to a thorough understanding of terahertz pulse generation by femtosecond laser filamentation. Photonics Research, 2018, 6, 296.	7.0	27
74	Ferroelectric and Piezoelectric Effects on the Optical Process in Advanced Materials and Devices. Advanced Materials, 2018, 30, e1707007.	21.0	159
75	An active metamaterials controlled by structured light illumination. Optik, 2018, 171, 204-209.	2.9	2
76	An broadband terahertz metamaterial filter based on multiplexed metallic bar resonators. , 2018, , .		0
77	Reconstruction for Sparse-View Sampling Photoacoustic Signals Based on Dictionary Learning. Guangxue Xuebao/Acta Optica Sinica, 2018, 38, 1117002.	1.2	0
78	In-situ visualization of multiple filament competition dynamic of femtosecond laser. , 2018, , .		0
79	Design and Simulation of Optical Path for Collecting Fluorescence Signal Based on TracePro Software. Guangxue Xuebao/Acta Optica Sinica, 2018, 38, 1117001.	1.2	0
80	Quantitative Optical Detection Method of Hemoglobin Based on BP Neural Network. Guangxue Xuebao/Acta Optica Sinica, 2018, 38, 0717002.	1.2	1
81	Bubble dynamics driven by a few successive femtosecond laser pulses in methanol under 1â€‰%â€‰kHz. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2727.	2.1	4
82	Image fiber-based miniature multi-functional suspended solid sensor. , 2018, , .		0
83	Bubble dynamics driven by a few successive femtosecond laser pulses in methanol under 1â€‰%â€‰kHz: publisherâ€™s note. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2915.	2.1	0
84	Generation of multiband annular beams by femtosecond Bessel laser beam in silica glass. , 2018, , .		0
85	Optically controlled graphene based terahertz modulator. , 2018, , .		0
86	Femtosecond-laser-driven wire-guided helical undulator for intense terahertz radiation. Nature Photonics, 2017, 11, 242-246.	31.4	56
87	A â€œgreenâ€•method for preparing ABCBA penta-block elastomers by using RAFT emulsion polymerization. Polymer Chemistry, 2017, 8, 3013-3021.	3.9	26
88	High-scale yield of nano hydroxyapatite through combination of mechanical activation and chemical dispersion. Journal of Materials Science: Materials in Medicine, 2017, 28, 83.	3.6	8
89	In-situ visualization of multiple filament competition dynamic during nonlinear propagation of femtosecond laser. Scientific Reports, 2017, 7, 10384.	3.3	9
90	Dual Effect in Fluorineâ€•Doped Hematite Nanocrystals for Efficient Water Oxidation. ChemSusChem, 2017, 10, 4465-4471.	6.8	51

#	ARTICLE	IF	CITATIONS
91	Image Fiber-Based Miniature Suspended Solid Sensor with High Accuracy and a Large Dynamic Range. Scientific Reports, 2017, 7, 16798.	3.3	7
92	Desalted duck egg white peptides promote calcium uptake by counteracting the adverse effects of phytic acid. Food Chemistry, 2017, 219, 428-435.	8.2	54
93	Fabrication of terahertz device by 3D printing technology. Chinese Optics, 2017, 10, 77-85.	0.6	2
94	3D printed low-loss THz waveguide based on Kagome photonic crystal structure. Optics Express, 2016, 24, 22454.	3.4	93
95	Label-free measurements on cell apoptosis using a terahertz metamaterial-based biosensor. Applied Physics Letters, 2016, 108, .	3.3	85
96	Tunable reflecting terahertz filter based on chirped metamaterial structure. Scientific Reports, 2016, 6, 38732.	3.3	37
97	Strong confinement of THz pulse by femtosecond laser filamentation. , 2016, , .		0
98	Novel tri-block copolymers of poly(acrylic acid)-b-poly(2,2,3,3,4,4,4-hexafluorobutyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (acryl 2016, 7, 3993-3997.	3.9	19
99	A Multifaceted Directing Group Switching Ynones as Michael Donors in Chemo-, Enantio-, and $\beta$ -Selective 1,4-Conjugate Additions with Nitroolefins. Journal of Organic Chemistry, 2016, 81, 8296-8305.	3.2	10
100	Protective Effect of Berberine on the Intestinal Caecum in Chicks with Eimeria Tenella. Avian Biology Research, 2016, 9, 235-239.	0.9	6
101	Vertically aligned oxygen-doped molybdenum disulfide nanosheets grown on carbon cloth realizing robust hydrogen evolution reaction. Inorganic Chemistry Frontiers, 2016, 3, 1160-1166.	6.0	55
102	Strong Spatial Confinement of Terahertz Wave inside Femtosecond Laser Filament. ACS Photonics, 2016, 3, 2338-2343.	6.6	31
103	Broadband terahertz metamaterial absorber based on sectional asymmetric structures. Scientific Reports, 2016, 6, 32466.	3.3	110
104	Broadband diffuse terahertz wave scattering by flexible metasurface with randomized phase distribution. Scientific Reports, 2016, 6, 26875.	3.3	57
105	Detecting Trace Amounts of Narcotics in Serum by Delayed Luminescence. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	0
106	Beam wandering of femtosecond laser filament in air. Optics Express, 2015, 23, 25628.	3.4	10
107	Broadband, wide-angle, low-scattering terahertz wave by a flexible 2-bit coding metasurface. Optics Express, 2015, 23, 29128.	3.4	83
108	Metamaterials: Anomalous Terahertz Reflection and Scattering by Flexible and Conformal Coding Metamaterials (Advanced Optical Materials 10/2015). Advanced Optical Materials, 2015, 3, 1373-1373.	7.3	11

#	ARTICLE	IF	CITATIONS
109	Terahertz Broadband Low-Reflection Metasurface by Controlling Phase Distributions. Advanced Optical Materials, 2015, 3, 1405-1410.	7.3	105
110	Anomalous Terahertz Reflection and Scattering by Flexible and Conformal Coding Metamaterials. Advanced Optical Materials, 2015, 3, 1374-1380.	7.3	175
111	Inhibition of Hepatocyte Apoptosis: An Important Mechanism of Corn Peptides Attenuating Liver Injury Induced by Ethanol. International Journal of Molecular Sciences, 2015, 16, 22062-22080.	4.1	27
112	Design of the low-loss wide bandwidth hollow-core terahertz inhibited coupling fibers. Optics Communications, 2015, 343, 150-156.	2.1	13
113	Time-resolved shadowgraphs of transient plasma induced by spatiotemporally focused femtosecond laser pulses in fused silica glass. Optics Letters, 2015, 40, 5726.	3.3	16
114	PPAR $\alpha$ Promotes Endothelial Cell Migration By Inducing the Expression of Sema3g. Journal of Cellular Biochemistry, 2015, 116, 514-523.	2.6	17
115	Power dependent filamentation of a femtosecond laser pulse in air by focusing with an axicon. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 094004.	1.5	12
116	Catalytic Asymmetric Construction of Vicinal Tetrasubstituted Stereocenters by the Mannich Reaction of Linear 1-Substituted Monothiomalonates with Isatin N-Boc Ketimines. Journal of Organic Chemistry, 2015, 80, 4950-4956.	3.2	47
117	Simple method to enhance terahertz radiation from femtosecond laser filament array with a step phase plate. Optics Letters, 2015, 40, 3838.	3.3	31
118	Mechanism study of 2-D laser array generation in a YAG crystal plate. Optics Express, 2015, 23, 19092.	3.4	0
119	All-optical background subtraction readout method for bimaterial cantilever array sensing. Optics Express, 2015, 23, 20576.	3.4	5
120	Correlated study of terahertz pulse generation and plasma density during two-color filamentation in air. , 2015, , .		0
121	Generation of multiple femtosecond laser filaments by using axicon in turbulent air. Laser Physics, 2015, 25, 085401.	1.2	6
122	Broadband diffusion of terahertz waves by multi-bit coding metasurfaces. Light: Science and Applications, 2015, 4, e324-e324.	16.6	461
123	A flexible and conformal THz coding metamaterial. , 2015, , .		1
124	Revision of photo-current model of terahertz wave generation by two-color femtosecond laser filamentation in air. , 2015, , .		0
125	Turbulence-induced beam wandering during femtosecond laser filamentation. Chinese Optics Letters, 2015, 13, 070008-70012.	2.9	3
126	Ultrahigh birefringence terahertz porous fibers based on interlacing layered infiltration method. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 154201.	0.5	2



#	ARTICLE	IF	CITATIONS
127	Terahertz wave guiding by femtosecond laser filament in air. , 2014, , .		1
128	Four-axis tool orientation smoothing for spiral machining of blades based on step length. , 2014, , .		1
129	Propagation of terahertz wave inside femtosecond laser filament in air. Laser Physics Letters, 2014, 11, 095302.	1.4	25
130	Dual-Porous Fiber-Based Low Loss Broadband Terahertz Polarization Splitter. IEEE Photonics Technology Letters, 2014, 26, 1399-1402.	2.5	10
131	Post-filamentation multiple light channel formation in air. Laser Physics, 2014, 24, 055301.	1.2	11
132	Backward angular distribution of air lasing induced by femtosecond laser filamentation. Laser Physics Letters, 2014, 11, 075401.	1.4	3
133	Graphene based All-Optical Spatial Terahertz Modulator. Scientific Reports, 2014, 4, 7409.	3.3	169
134	Terahertz imaging with sub-wavelength resolution by femtosecond laser filament in air. Scientific Reports, 2014, 4, 3880.	3.3	58
135	A THz polarization splitter made from suspended dual-core porous fiber. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 110706.	0.5	0
136	Numerical simulation of the generation of multiple laser filaments by an axicon array. Journal of Modern Optics, 2013, 60, 1637-1643.	1.3	10
137	Terahertz polarization splitter based on orthogonal microstructure dual-core photonic crystal fiber. Applied Optics, 2013, 52, 3305.	1.8	41
138	Generation of Super-luminescent Jet Light through Disrupted Conical Emission. , 2013, , .		1
139	Observation of super-luminescent jet beam from femtosecond laser-induced air plasma. , 2013, , .		1
140	Femtosecond laser filament array generated with step phase plate in air. Optics Express, 2013, 21, 4612.	3.4	55
141	Impressive laser intensity increase at the trailing stage of femtosecond laser filamentation in air. Optics Express, 2012, 20, 4790.	3.4	29
142	Multiple filamentation generated by focusing femtosecond laser with axicon. Optics Letters, 2012, 37, 857.	3.3	38
143	Simple method of measuring laser peak intensity inside femtosecond laser filament in air. Optics Express, 2012, 20, 299.	3.4	56
144	Enhanced remote filament-induced breakdown spectroscopy with spatio-temporally chirped pulses. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 3226.	2.1	19

#	ARTICLE	IF	CITATIONS
145	Cylindrical symmetry breaking leads to multiple filamentation generation when focusing femtosecond lasers with axicons in methanol. Journal of Optics (United Kingdom), 2012, 14, 065203.	2.2	6
146	Advances in intense femtosecond laser filamentation in air. Laser Physics, 2012, 22, 1-53.	1.2	240
147	Intensity clamping during laser filamentation by TW level femtosecond laser in air and argon. Laser Physics, 2012, 22, 195-202.	1.2	32
148	Fine control of multiple femtosecond filamentation using a combination of phase plates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 215404.	1.5	14
149	Enhancement of peak intensity in a filament core with spatiotemporally focused femtosecond laser pulses. Physical Review A, 2011, 84, .	2.5	38
150	Empirical study of nonlinearity tensor dominating THz generation in barium borate crystal through optical rectification. Applied Physics B: Lasers and Optics, 2011, 103, 831-835.	2.2	6
151	Control of filament branching in air by astigmatically focused femtosecond laser pulses. Applied Physics B: Lasers and Optics, 2011, 103, 435-439.	2.2	19
152	Pulse characterization during femtosecond laser filamentation in air by two-photon fluorescence measurement. Applied Physics B: Lasers and Optics, 2011, 105, 825-831.	2.2	5
153	Third-harmonic generation in relative-phase-controlled two-color laser field. Applied Physics B: Lasers and Optics, 2011, 104, 909-912.	2.2	7
154	Femtosecond laser filamentation with a 4 J/60 fs Ti:Sapphire laser beam: Multiple filaments and intensity clamping. Laser Physics, 2010, 20, 886-890.	1.2	15
155	Intensity clamping during dual-beam interference. Laser Physics, 2010, 20, 1968-1972.	1.2	12
156	Second-harmonic generation to green using ultrafast fibre source and femtosecond written periodically poled waveguide. Electronics Letters, 2010, 46, 1290.	1.0	3
157	éÉžç\$'è,,%â†²âœ"æ°'ä,æ~ä,â¹¶â¹/²çæ^âŠ"æ€Xæ³ççš,,è¿†ç"ä,çš,,é†èšæ^â°"ç"ç©¶. Chinese Optics Letters, 2010, 8, 2244.	2.2	1
158	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
159	Experimental confirmation of high-stability of fluorescence in a femtosecond laser filament in air. Optics Communications, 2009, 282, 4800-4804.	2.1	10
160	Can we reach very high intensity in air with femtosecond PW laser pulses?. Laser Physics, 2009, 19, 1776-1792.	1.2	60
161	Portraying polarization state of terahertz pulse generated by a two-color laser field in air. Optics Letters, 2009, 34, 2841.	3.3	24
162	Generation of extended filaments of femtosecond pulses in air by use of a single-step phase plate. Optics Letters, 2009, 34, 3752.	3.3	45

#	ARTICLE	IF	CITATIONS
163	Self-focusing and Filamentation of Powerful Femtosecond Laser Pulses. Topics in Applied Physics, 2009, , 371-398.	0.8	1
164	The Physics of Intense Femtosecond Laser Filamentation. Topics in Applied Physics, 2009, , 349-370.	0.8	2
165	How filament-induced birefringence affects the THz generation from the filament in air. , 2009, , .		0
166	Pressure independence of intensity clamping during filamentation: theory and experiment. Applied Physics B: Lasers and Optics, 2008, 91, 45-48.	2.2	29
167	Spectroscopic analysis of femtosecond laser plasma filament in air. Optics Communications, 2008, 281, 1268-1274.	2.1	59
168	Generation of powerful filaments at a long distance using adaptive optics. Optics Communications, 2008, 281, 3327-3335.	2.1	22
169	Critical power for self-focussing of a femtosecond laser pulse in helium. Optics Communications, 2008, 281, 2248-2251.	2.1	23
170	Fabrication and characterization of periodically poled lithium niobate waveguide using femtosecond laser pulses. Applied Physics Letters, 2008, 92, 231106.	3.3	20
171	Effect of intensity clamping on laser ablation by intense femtosecond laser pulses. Optics Express, 2008, 16, 3604.	3.4	11
172	Second harmonic generation of periodically poled potassium titanyl phosphate waveguide using femtosecond laser pulses. Optics Express, 2008, 16, 14180.	3.4	16
173	Non-radially polarized THz pulse emitted from femtosecond laser filament in air. Optics Express, 2008, 16, 15483.	3.4	39
174	Some Fundamental Concepts of Femtosecond Laser Filamentation. , 2008, , 243-264.		10
175	Elliptically polarized terahertz emission in the forward direction of a femtosecond laser filament in air. Applied Physics Letters, 2008, 93, .	3.3	31
176	Experimental study and numerical simulation of the propulsion of microbeads by femtosecond laser filament. Journal of Applied Physics, 2008, 104, 033104.	2.5	10
177	The (critical) clamped intensity of a plasma filament induced by a femtosecond laser pulse in helium. , 2008, , .		0
178	Propelling micro beads with femtosecond light bullets. , 2008, , .		0
179	A study of ultrafast electron diffusion kinetics in ultrashort-pulse laser ablation of metals. Chinese Physics B, 2007, 16, 2003-2010.	1.3	11
180	Filamentation nonlinear optics: a new frontier. Proceedings of SPIE, 2007, 6733, 287.	0.8	1

#	ARTICLE	IF	CITATIONS
181	Plasma density inside femtosecond laser filaments in air. , 2007, , .		0
182	Long Range Trace Detection in Aqueous Aerosol using Remote Filament-Induced Breakdown Spectroscopy (R-FIBS). , 2007, , .		0
183	Simultaneous detection and identification of multigas pollutants using filament-induced nonlinear spectroscopy. Applied Physics Letters, 2007, 90, 101106.	3.3	43
184	Spectroscopic characterization of femtosecond laser filament in argon gas. Journal of Applied Physics, 2007, 102, .	2.5	16
185	Abnormal wavelength dependence of the self-cleaning phenomenon during femtosecond-laser-pulse filamentation. Physical Review A, 2007, 76, .	2.5	35
186	Conical emission and induced frequency shift of third-harmonic generation during ultrashort laser filamentation in air. Optics Communications, 2007, 276, 298-304.	2.1	25
187	Efficient non-gated remote filament-induced breakdown spectroscopy of metallic sample. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 76-81.	2.9	46
188	Filamentation nonlinear optics. Applied Physics B: Lasers and Optics, 2007, 86, 477-483.	2.2	93
189	Remote detection of similar biological materials using femtosecond filament-induced breakdown spectroscopy. Applied Physics B: Lasers and Optics, 2007, 87, 151-156.	2.2	87
190	Long range trace detection in aqueous aerosol using remote filament-induced breakdown spectroscopy. Applied Physics B: Lasers and Optics, 2007, 87, 749-754.	2.2	56
191	Understanding the beam self-cleaning behavior of ultrashort laser pulse filamentation. Science in China Series D: Earth Sciences, 2007, 50, 413-421.	0.9	2
192	Plasma density inside a femtosecond laser filament in air: Strong dependence on external focusing. Physical Review E, 2006, 74, 036406.	2.1	317
193	Remote time-resolved filament-induced breakdown spectroscopy of biological materials. Optics Letters, 2006, 31, 1540.	3.3	77
194	Tunable Ultrashort Laser Pulses Generated through Filamentation in Gases. Physical Review Letters, 2006, 97, 023904.	7.8	192
195	Array of femtosecond plasma channels in fused silica. Optics Communications, 2006, 267, 511-523.	2.1	39
196	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
197	The influence of divergence on the filament length during the propagation of intense ultra-short laser pulses. Applied Physics B: Lasers and Optics, 2006, 82, 373-376.	2.2	18
198	An efficient control of ultrashort laser filament location in air for the purpose of remote sensing. Applied Physics B: Lasers and Optics, 2006, 85, 55-58.	2.2	62

#	ARTICLE	IF	CITATIONS
199	Controlling the bunch of filaments formed by high-power femtosecond laser pulse in air. , 2005, , .		3
200	Third harmonic beam profile generated in atmospheric air using femtosecond laser pulses. Optics Communications, 2005, 245, 399-405.	2.1	59
201	Ultrabroadband continuum generated in air (down to 230Ånm) using ultrashort and intense laser pulses. Applied Physics B: Lasers and Optics, 2005, 80, 221-225.	2.2	70
202	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
203	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
204	Background reservoir: its crucial role for long-distance propagation of femtosecond laser pulses in air. Applied Physics B: Lasers and Optics, 2005, 80, 857-860.	2.2	71
205	Long-range spectrally and spatially resolved radiation from filaments in air. Applied Physics B: Lasers and Optics, 2005, 81, 131-134.	2.2	25
206	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
207	Long-range detection and length estimation of light filaments using extra-attenuation of terawatt femtosecond laser pulses propagating in air. Applied Optics, 2005, 44, 391.	2.1	20
208	Direct measurement of the critical power of femtosecond Ti:sapphire laser pulse in air. Optics Express, 2005, 13, 5750.	3.4	212
209	Experiment and simulations on the energy reservoir effect in femtosecond light filaments. Optics Letters, 2005, 30, 2602.	3.3	108
210	The propagation of powerful femtosecond laser pulses in optical media: physics, applications, and new challenges. Canadian Journal of Physics, 2005, 83, 863-905.	1.1	551
211	Long-range third-harmonic generation in air using ultrashort intense laser pulses. Applied Physics Letters, 2005, 87, 081108.	3.3	27
212	Competition of multiple filaments during the propagation of intense femtosecond laser pulses. Physical Review A, 2004, 70, .	2.5	134
213	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
214	Femtosecond laser pulse filamentation versus optical breakdown in H <sub>2</sub> O. Applied Physics B: Lasers and Optics, 2003, 76, 215-229.	2.2	168
215	Lasing action in air induced by ultra-fast laser filamentation. Applied Physics B: Lasers and Optics, 2003, 76, 337-340.	2.2	237
216	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

#	ARTICLE	IF	CITATIONS
217	Effective length of filaments measurement using backscattered fluorescence from nitrogen molecules. Applied Physics B: Lasers and Optics, 2003, 77, 697-702.	2.2	44
218	Multiple refocusing of a femtosecond laser pulse in a dispersive liquid (methanol). Optics Communications, 2003, 225, 193-209.	2.1	91
219	Optical breakdown versus filamentation in fused silica by use of femtosecond infrared laser pulses. Optics Letters, 2003, 28, 1591.	3.3	115
220	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
221	Intensity clamping of a femtosecond laser pulse in condensed matter. Optics Communications, 2002, 202, 189-197.	2.1	235
222	Interference of transverse rings in multifilamentation of powerful femtosecond laser pulses in air. Optics Communications, 2002, 210, 329-341.	2.1	81