

# Stefan Wabnitz

## List of Publications by Year in descending order

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607  
papers

15,871  
citations

21215

62  
h-index

30277

107  
g-index

613  
all docs

613  
docs citations

613  
times ranked

4826  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental revealing of fiber laser soliton build-up activated by shaking-soliton triplets. Optics and Laser Technology, 2022, 147, 107677.	2.2	1
2	Helical plasma filaments from the self-channeling of intense femtosecond laser pulses in optical fibers. Optics Letters, 2022, 47, 1.	1.7	17
3	Mode-resolved analysis of pump and Stokes beams in LD-pumped GRIN fiber Raman lasers. Optics Letters, 2022, 47, 1222.	1.7	11
4	Mechanism of brightness enhancement in multimode LD-pumped graded-index fiber Raman lasers: numerical modeling. Optics Express, 2022, 30, 8212-8221.	1.7	5
5	Multimode solitons in step-index fibers. Optics Express, 2022, 30, 6300.	1.7	9
6	Efficient Kerr soliton comb generation in micro-resonator with interferometric back-coupling. Nature Communications, 2022, 13, 1292.	5.8	28
7	Statistical mechanics of beam self-cleaning in GRIN multimode optical fibers. Optics Express, 2022, 30, 10850.	1.7	49
8	Helical plasma filaments from the self-channeling of intense femtosecond laser pulses in optical fibers: publisher's note. Optics Letters, 2022, 47, 1919.	1.7	0
9	Multiphoton ionization of standard optical fibers. Photonics Research, 2022, 10, 1394.	3.4	14
10	Advances in femtosecond laser direct writing of fiber Bragg gratings in multicore fibers: technology, sensor and laser applications. Opto-Electronic Advances, 2022, 5, 210055-210055.	6.4	30
11	Multimode soliton collisions in graded-index optical fibers. Optics Express, 2022, 30, 21710.	1.7	12
12	Roadmap on multimode photonics. Journal of Optics (United Kingdom), 2022, 24, 083001.	1.0	27
13	Thermalization of Orbital Angular Momentum Beams in Multimode Optical Fibers. Physical Review Letters, 2022, 128, .	2.9	29
14	Experimental revealing of asynchronous transient-soliton buildup dynamics. Optics and Laser Technology, 2021, 133, 106512.	2.2	6
15	Preface to the special issue on distributed fiber optic sensing. Optical Fiber Technology, 2021, 61, 102411.	1.4	0
16	Infrared light power transmission limitation of optical fibers. , 2021, , .		0
17	Rainbow spiral emission from optical fibers. , 2021, , .		0
18	A "metaphorical" nonlinear multimode fiber laser approach to weakly dissipative Bose-Einstein condensates a. Europhysics Letters, 2021, 133, 34002.	0.7	6

#	ARTICLE	IF	CITATIONS
19	Mode decomposition of Kerr self-cleaned beams by phase only SLM. , 2021, , .		0
20	Spatiotemporal guided bullets in multimode fiber. , 2021, , .		0
21	Boosting and Taming Wave Breakup in Second Harmonic Generation. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	5
22	Spatial beam nonlinear control with multimode GRIN fiber amplifiers. , 2021, , .		0
23	Frequency comb generation in silicon nitride resonators with amplitude modulated pump. , 2021, , .		2
24	Experimental observation of self-imaging in SMF-28 optical fibers. <i>Optics Express</i> , 2021, 29, 12625.	1.7	15
25	Single-mode spatiotemporal soliton attractor in multimode GRIN fibers. <i>Photonics Research</i> , 2021, 9, 741.	3.4	26
26	Versatile supercontinuum generation by using $\chi^{(2)}$ and $\chi^{(3)}$ nonlinearities in PPLN crystal for direct CARS measurement. , 2021, , .		0
27	Managing Self-Phase Modulation in Pseudo-Linear Multimodal and Monomodal Systems. <i>Journal of Lightwave Technology</i> , 2021, 39, 1953-1960.	2.7	3
28	Rainbow Archimedean spiral emission from optical fibres. <i>Scientific Reports</i> , 2021, 11, 13030.	1.6	14
29	Spatiotemporal Soliton Attractor in Multimode Graded-index Fibers. , 2021, , .		0
30	Self-referenced multiplex CARS imaging with picosecond pulse generated supercontinuum by using second and third order nonlinearities. , 2021, , .		0
31	Spatiotemporal Wave Pattern Stabilization by Graded Dissipation in Multimode Fibers. , 2021, , .		0
32	Direct visualization of bimodal-propagation-induced spatial self-imaging. , 2021, , .		0
33	Multicore fibers: a novel platform for a robust and reconfigurable self-organization of light. , 2021, , .		0
34	0.75-6 $\mu$ m supercontinuum generation using spatiotemporal nonlinear dynamics in graded index multimode fiber. , 2021, , .		0
35	Mode dynamics during transition into Kerr self-cleaning regime for laser beams propagated in a multimode GRIN fiber. , 2021, , .		0
36	Latest experimental advances in nonlinear multimode fiber optics. , 2021, , .		1

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37	Raman fiber laser based on a 7-core fiber with fs-inscribed regular and random structures. , 2021, , .		0
38	Frequency-resolved spatial beam mapping in multimode fibers: application to mid-infrared supercontinuum generation. Optics Letters, 2021, 46, 3717.	1.7	5
39	Conditions for walk-off soliton generation in a multimode fiber. Communications Physics, 2021, 4, .	2.0	26
40	Spatiotemporal beam self-cleaning for high-resolution nonlinear fluorescence imaging with multimode fiber. Scientific Reports, 2021, 11, 18240.	1.6	19
41	Femtosecond nonlinear losses in multimode optical fibers. Photonics Research, 2021, 9, 2443.	3.4	22
42	Spatial Beam Evolution in Nonlinear Multimode Fibers. , 2021, , .		0
43	Mode decomposition of multimode optical fiber beams by phase-only spatial light modulator. Laser Physics Letters, 2021, 18, 015101.	0.6	31
44	3D time-domain beam mapping for studying nonlinear dynamics in multimode optical fibers. Optics Letters, 2021, 46, 66.	1.7	24
45	Fiber lasers with regular and random distributed feedback. , 2021, , .		0
46	Mode decomposition of output beams in LD-pumped graded-index fiber Raman lasers. , 2021, , .		1
47	Spatio-spectral beam control in multimode diode-pumped Raman fibre lasers via intracavity filtering and Kerr cleaning. Scientific Reports, 2021, 11, 21994.	1.6	15
48	Femtosecond soliton spatio-temporal properties in multimode GRIN fibers. , 2021, , .		0
49	Mode-scrambling security using short pulses in multimode graded-index fiber. , 2021, , .		0
50	Mechanism of brightness enhancement in multimode LD-pumped graded-index fiber Raman lasers. , 2021, , .		0
51	Spatio-Temporal Behaviour of Femtosecond Solitons in Graded-Index Multimode Fibers. , 2021, , .		0
52	Distributed Kerr-lens mode locking based on spatiotemporal dissipative solitons in multimode fiber lasers. Physical Review A, 2020, 102, .	1.0	17
53	Coherent combining of self-cleaned multimode beams. Scientific Reports, 2020, 10, 20481.	1.6	11
54	Multiphoton-Absorption-Excited Up-Conversion Luminescence in Optical Fibers. Physical Review Applied, 2020, 14, .	1.5	34

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55	Dynamics of High-Energy Multimode Raman Solitons. , 2020, , .		0
56	Spatial Beam Self-Cleaning in Second-Harmonic Generation. Scientific Reports, 2020, 10, 7204.	1.6	7
57	Optical Frequency Combs in Quadratically Nonlinear Resonators. Micromachines, 2020, 11, 230.	1.4	31
58	Spatial Beam Self-Cleaning in Tapered Yb-Doped GRIN Multimode Fiber With Decelerating Nonlinearity. IEEE Photonics Journal, 2020, 12, 1-8.	1.0	15
59	Finding spatiotemporal light bullets in multicore and multimode fibers. Optics Express, 2020, 28, 7817.	1.7	9
60	Highly efficient few-mode spatial beam self-cleaning at 1.5 $\mu$ m. Optics Express, 2020, 28, 14333.	1.7	24
61	High-energy soliton fission dynamics in multimode GRIN fiber. Optics Express, 2020, 28, 20473.	1.7	27
62	Nonlinear beam self-imaging and self-focusing dynamics in a GRIN multimode optical fiber: theory and experiments. Optics Express, 2020, 28, 24005.	1.7	52
63	Third-order Riemann pulses in optical fibers. Optics Express, 2020, 28, 39827.	1.7	4
64	Control of Kerr Cavity Soliton Combs by Chirped Pumping. , 2020, , .		1
65	Multiphoton Absorption Excited Upconversion Luminescence in Multimode Optical Fiber. , 2020, , .		0
66	Numerical simulation of the beam self-cleaning process in a multimode graded-index fibre during propagation of a pump wave and a Stokes component. Quantum Electronics, 2020, 50, 1101-1104.	0.3	0
67	Observation of 2D Spatiotemporal Rogue Events in a Quadratic Nonlinear Medium. , 2020, , .		1
68	High-energy spatiotemporal solitons in GRIN fiber. EPJ Web of Conferences, 2020, 243, 20001.	0.1	0
69	Observation of supercontinuum spiral emission in optical fibers. EPJ Web of Conferences, 2020, 243, 17003.	0.1	0
70	Third-order Riemann Pulses in Optical Fiber. , 2020, , .		0
71	Experimental Evidence of the Real Multimode Nature of Geometric Parametric Instability. , 2020, , .		0
72	Distributed Kerr-Lens Mode-Locking in a Fiber Laser. , 2020, , .		1

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73	High Energy Raman Solitons in Multimode GRIN Fibers. , 2020, , .		0
74	Spatio-Temporal Beam Mapping for Studying Nonlinear Dynamics in Graded Index Multimode Fiber. , 2020, , .		2
75	Mid-infrared supercontinuum generation seeded by geometrical parametric instabilities amplified in TDFA. , 2020, , .		0
76	Spatial beam self-cleaning dynamics in Erbium-Ytterbium (Er-Yb) codoped multimode fiber. , 2020, , .		0
77	Self-imaging dynamics in nonlinear GRIN multimode optical fibers. , 2020, , .		0
78	Beam self-cleaning in tapered Ytterbium-doped multimode fiber with decelerating nonlinearity. , 2020, , .		1
79	Nonlinear beam cleanup in Yb-doped GRIN multimode fiber taper. , 2020, , .		0
80	Optical polarization rogue waves and their identifications. JPhys Photonics, 2020, 2, 032004.	2.2	6
81	Localized structures formed through domain wall locking in cavity-enhanced second-harmonic generation. Optics Letters, 2020, 45, 5856.	1.7	9
82	Quadratic Optical Frequency Combs: Towards a New Platform for Multi-Octave Microcombs. , 2020, , .		0
83	High Energy Pulse Dynamics in Multimode GRIN Fibers. , 2020, , .		0
84	Nonlinear pulse combining and compression using twisted hexagonal multi-core fibers. , 2020, , .		0
85	Multidimensional Shaping of Spatiotemporal Waves in Multimode Nonlinear Fibers. , 2019, , .		0
86	Spatial Kerr Beam Self-Cleaning in Yb-Doped Multimode Fiber Taper. , 2019, , .		0
87	Locking of Domain Walls and Quadratic Frequency Combs in Doubly Resonant Optical Parametric Oscillators. , 2019, , .		0
88	Random mode coupling assists Kerr beam self-cleaning in a graded-index multimode optical fiber. Optical Fiber Technology, 2019, 53, 101994.	1.4	25
89	Adaptive Kerr-Assisted Transverse Mode Selection in Multimode Fibers. , 2019, , .		0
90	Spatial beam self-cleaning in multimode lanthanum aluminum silicate glass fiber. Optical Fiber Technology, 2019, 53, 102014.	1.4	3

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91	Hydrodynamic 2D Turbulence and Spatial Beam Condensation in Multimode Optical Fibers. Physical Review Letters, 2019, 122, 103902.	2.9	68
92	Nonlinear optics in multimode fibers. , 2019, , .		0
93	Random Lasing in Multicore and Multimode Fibers. , 2019, , .		0
94	Random Mode Coupling Assists Kerr Beam Self-Cleaning in a Graded-Index Multimode Optical Fiber. , 2019, , .		0
95	Experimental Observation of Optical Frequency Combs in Doubly Resonant Second Harmonic Generation. , 2019, , .		0
96	Multimode nonlinear fiber optics, a spatiotemporal avenue. APL Photonics, 2019, 4, .	3.0	142
97	Quadratic Optical Frequency Combs. , 2019, , .		0
98	Optical Control of Spatial Riemann Waves and Burgers' Equation Dynamics. , 2019, , .		0
99	Multimode fiber beam self-cleaning in the anomalous dispersion regime. , 2019, , .		2
100	Refractive index profile tailoring of multimode optical fibers for the spatial and spectral shaping of parametric sidebands. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1117.	0.9	6
101	Wavefront shaping for optimized many-mode Kerr beam self-cleaning in graded-index multimode fiber. Optics Express, 2019, 27, 17311.	1.7	37
102	Optical polarization rogue waves from supercontinuum generation in zero dispersion fiber pumped by dissipative soliton. Optics Express, 2019, 27, 23830.	1.7	10
103	Spatial beam self-cleaning and supercontinuum generation with Yb-doped multimode graded-index fiber taper based on accelerating self-imaging and dissipative landscape. Optics Express, 2019, 27, 24018.	1.7	44
104	Durable shape sensor based on FBG array inscribed in polyimide-coated multicore optical fiber. Optics Express, 2019, 27, 38421.	1.7	48
105	Nonlinear polarization dynamics of Kerr beam self-cleaning in a graded-index multimode optical fiber. Optics Letters, 2019, 44, 171.	1.7	29
106	Random Raman fiber laser based on a twin-core fiber with FBGs inscribed by femtosecond radiation. Optics Letters, 2019, 44, 295.	1.7	23
107	Frequency comb generation through the locking of domain walls in doubly resonant dispersive optical parametric oscillators. Optics Letters, 2019, 44, 2004.	1.7	28
108	Optical generation and control of spatial Riemann waves. Optics Letters, 2019, 44, 3542.	1.7	8

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109	Kerr beam self-cleaning on the LP <sub>11</sub> mode in graded-index multimode fibers. OSA Continuum, 2019, 2, 1089.	1.8	45
110	Polarization evolution dynamics of dissipative soliton fiber lasers. Photonics Research, 2019, 7, 1331.	3.4	24
111	Nonlinear Waves in Multimode Fibers. , 2019, , 317-371.		0
112	Spatial and Spectral Nonlinear Beam Control with Active Multimode Graded Index Fiber Taper. , 2019, , .		0
113	Beam self-cleaning in multimode optical fibers and hydrodynamic 2D turbulence. , 2019, , .		0
114	Self-cleaning on a higher order mode in Ytterbium-doped multimode fiber with parabolic profile. , 2019, , .		0
115	Quadratic cavity soliton optical frequency combs. , 2019, , .		0
116	Spatiotemporal light-beam compression from nonlinear mode coupling. Physical Review A, 2018, 97, .	1.0	49
117	Observation of a group of dark rogue waves in a telecommunication optical fiber. Physical Review A, 2018, 97, .	1.0	75
118	Micro-combs: A novel generation of optical sources. Physics Reports, 2018, 729, 1-81.	10.3	448
119	Femtosecond writing of refractive index structures in multimode and multicore optical fibres. Quantum Electronics, 2018, 48, 1128-1131.	0.3	11
120	Nonlinear discrete wavefront shaping for spatiotemporal pulse compression with multicore fibers. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2169.	0.9	4
121	Modulation Instability Induced Frequency Comb Generation in a Continuously Pumped Optical Parametric Oscillator. Physical Review Letters, 2018, 121, 093903.	2.9	89
122	Self-Induced Faraday Instability Laser. Physical Review Letters, 2018, 120, 213902.	2.9	8
123	Optical puff mediated laminar-turbulent polarization transition. Optics Express, 2018, 26, 6103.	1.7	7
124	Modulational instability of nonlinear polarization mode coupling in microresonators. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 835.	0.9	23
125	Dual Polarization Nonlinear Frequency Division Multiplexing Transmission. IEEE Photonics Technology Letters, 2018, 30, 1589-1592.	1.3	24
126	Seeded intermodal four-wave mixing in a highly multimode fiber. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 295.	0.9	27



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127	Interplay of Kerr and Raman beam cleaning with a multimode microstructure fiber. Optics Letters, 2018, 43, 587.	1.7	29
128	Nonlinear polarization dynamics of Kerr beam self-cleaning in a GRIN multimode optical fiber. , 2018, , .		0
129	Kerr Beam Self-Cleaning in Multimode Fibers. , 2018, , .		0
130	A study of bending effect on the femtosecond-pulse inscribed fiber Bragg gratings in a dual-core fiber. Optical Fiber Technology, 2018, 43, 101-105.	1.4	17
131	Statistics of vector Manakov rogue waves. Physical Review E, 2018, 98, 012209.	0.8	7
132	Raman fiber laser based on dual-core fiber with fiber Bragg grating inscribed by femtosecond radiation. , 2018, , .		0
133	Demonstration of Spatial Riemann Waves and Inviscid Burgers's Equation Dynamics in Nonlinear Optics. , 2018, , .		0
134	Spatiotemporal pulse shaping with multimode nonlinear guided waves. , 2018, , .		0
135	Intermodal Modulation Instability and Four-Wave Mixing in Graded-Index Few-Mode Fibers. , 2018, , .		0
136	Quadratic soliton combs in doubly resonant second-harmonic generation. Optics Letters, 2018, 43, 6033.	1.7	45
137	Nonlinear Waves in Multimode Fibers. , 2018, , 1-55.		1
138	Nonlinear dynamics in multimode optical fibers. , 2018, , .		2
139	Deterministic single soliton generation via mode-interaction in microresonators. , 2018, , .		0
140	Modal attraction on low order modes by Kerr effect in a graded refractive index multimode fiber. , 2018, , .		0
141	Spatial beam cleaning in quadratic nonlinear medium. , 2018, , .		0
142	Spatiotemporal beam shaping in nonlinear multimode fibers. , 2018, , .		0
143	Polarization-Division-Multiplexed Nonlinear Frequency Division Multiplexing. , 2018, , .		6
144	Nonlinear Multimode Fiber Optics. , 2018, , .		0

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145	Discrete phase front focusing in multi-core fibers with simultaneous pulse compression. , 2018, , .		0
146	Glass Fiber Poling by an Extended Cavity Microchip Laser. , 2018, , .		0
147	Kerr and Raman beam cleanup with supercontinuum generation in multimode microstructure fiber. , 2018, , .		0
148	Polarization Effects and Nonlinear Mode Coupling in Kerr Microresonators. , 2018, , .		0
149	Optical polarization rogue waves. , 2018, , .		0
150	Optical Kerr spatiotemporal dark extreme waves. , 2018, , .		0
151	Frequency comb generation in a continuously pumped optical parametric oscillator. , 2018, , .		0
152	Directional quasi-phase matching AlGaAs waveguide microresonators for efficient generation of quadratic frequency combs. , 2017, , .		1
153	Singly resonant second-harmonic-generation frequency combs. Physical Review A, 2017, 95, .	1.0	35
154	Nonlinear dynamics of optical frequency combs. , 2017, , .		0
155	Spatial beam self-cleaning in multimode fibres. Nature Photonics, 2017, 11, 237-241.	15.6	381
156	Modulation Instability, Four-Wave Mixing and their Applications. , 2017, , 1-33.		0
157	Open-Cavity Spun Fiber Raman Lasers with Dual Polarization Output. Scientific Reports, 2017, 7, 13681.	1.6	1
158	Optical-fluid dark line and X solitary waves in Kerr media. Optical Data Processing and Storage, 2017, 3, 1-7.	3.3	8
159	Spatio-temporal beam dynamics in multimode nonlinear optical fibers. , 2017, , .		0
160	Second harmonic generation and beam cleaning in optically poled multimode graded-index fibers. , 2017, , .		0
161	Comparison of the Nonlinear Frequency Division Multiplexing and OFDM in Experiment. , 2017, , .		5
162	Second harmonic generation in multimode graded-index fibers: spatial beam cleaning and multiple harmonic sideband generation. Optics Letters, 2017, 42, 971.	1.7	32

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163	Far-detuned cascaded intermodal four-wave mixing in a multimode fiber. Optics Letters, 2017, 42, 1293.	1.7	59
164	Simplified high-order Volterra series transfer function for optical transmission links. Optics Express, 2017, 25, 2446.	1.7	6
165	Kerr self-cleaning of pulsed beam in an ytterbium doped multimode fiber. Optics Express, 2017, 25, 4783.	1.7	79
166	Nonlinear beam self-cleaning in a coupled cavity composite laser based on multimode fiber. Optics Express, 2017, 25, 22219.	1.7	45
167	Longitudinal soliton tunneling in optical fiber. Optics Letters, 2017, 42, 2350.	1.7	10
168	Intermodal modulational instability in graded-index multimode optical fibers. Optics Letters, 2017, 42, 3419.	1.7	33
169	Spatial mode-interaction induced single soliton generation in microresonators. Optica, 2017, 4, 1011.	4.8	74
170	Nonlinear spatial self-cleaning in multimode amplifying fiber and fiber laser cavity. , 2017, , .		0
171	Cascaded intermodal four-wave mixing in a few-mode fiber. , 2017, , .		0
172	Longitudinal soliton pure tunneling in optical fiber. , 2017, , .		0
173	Bichromatically pumped nonlinear fiber ring cavity. , 2017, , .		0
174	Directionally induced quasi-phase matching in homogeneous AlGaAs waveguides. Optics Letters, 2017, 42, 4287.	1.7	20
175	AlGaAs waveguide microresonators for efficient generation of quadratic frequency combs. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1842.	0.9	8
176	Frequency comb generation in continuously pumped optical parametric oscillator. , 2017, , .		0
177	Nonlinear dynamics of spatio-temporal waves in multimode fibres. , 2017, , .		0
178	Ultrabroadband Dispersive Radiation by Spatiotemporal Oscillation of Multimode Waves. , 2016, , .		0
179	Dispersion-optimized multicladding silicon nitride waveguides for nonlinear frequency generation from ultraviolet to mid-infrared. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 2402.	0.9	10
180	Spatiotemporal characterization of supercontinuum extending from the visible to the mid-infrared in a multimode graded-index optical fiber. Optics Letters, 2016, 41, 5785.	1.7	107

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181	Optical Dark Rogue Wave. Scientific Reports, 2016, 6, 20785.	1.6	113
182	Coherence loss of partially mode-locked fibre laser. Scientific Reports, 2016, 6, 24995.	1.6	22
183	Single envelope equation modeling of multi-octave comb arrays in microresonators with quadratic and cubic nonlinearities. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1207.	0.9	33
184	Roadmap on optical rogue waves and extreme events. Journal of Optics (United Kingdom), 2016, 18, 063001.	1.0	225
185	Theory of quadratic optical frequency combs. , 2016, , .		0
186	Experimental Generation of Riemann Waves in Optics: A Route to Shock Wave Control. Physical Review Letters, 2016, 117, 073902.	2.9	44
187	Frequency-comb formation in doubly resonant second-harmonic generation. Physical Review A, 2016, 93, .	1.0	67
188	Walk-Off-Induced Modulation Instability, Temporal Pattern Formation, and Frequency Comb Generation in Cavity-Enhanced Second-Harmonic Generation. Physical Review Letters, 2016, 116, 033901.	2.9	100
189	Observation of Geometric Parametric Instability Induced by the Periodic Spatial Self-Imaging of Multimode Waves. Physical Review Letters, 2016, 116, 183901.	2.9	205
190	Optical Kerr Spatiotemporal Dark-Lump Dynamics of Hydrodynamic Origin. Physical Review Letters, 2016, 116, 173901.	2.9	78
191	Numerical modelling of frequency comb generation in nonlinear resonators. , 2016, , .		0
192	Dynamics of microresonator frequency comb generation: models and stability. Nanophotonics, 2016, 5, 231-243.	2.9	28
193	Spatial and spectral nonlinear shaping of multimode waves. , 2016, , .		0
194	Complementary optical rogue waves in parametric three-wave mixing. Optics Express, 2016, 24, 5886.	1.7	21
195	[INVITED] Self-induced polarization tracking, tunneling effect and modal attraction in optical fiber. Optics and Laser Technology, 2016, 80, 247-259.	2.2	4
196	Theory of Frequency Comb Generation in Cavity Enhanced Second Harmonic Generation. , 2016, , .		1
197	Multiple four-wave mixing and Kerr combs in a bichromatically pumped nonlinear fiber ring cavity. Optics Letters, 2016, 41, 5462.	1.7	19
198	Spatiotemporal optical dark X solitary waves. Optics Letters, 2016, 41, 5571.	1.7	25

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199	The Inviscid Burgersâ€™ Equation in Nonlinear Fiber Optics. , 2016, , .		0
200	Spatiotemporal Nonlinear Beam Shaping. , 2016, , .		0
201	Optical polarization rogue waves in fiber laser. , 2016, , .		0
202	Inviscid Burgersâ€™ Equation and Riemann Waves in Optics. , 2016, , .		0
203	Optical Fibers Enter a New Space-Time Era. , 2016, , .		0
204	Open-Cavity Spun Fiber Raman Lasers with a Polarized Output. , 2016, , .		0
205	Coherence manipulation of partially mode-locked fiber laser. , 2016, , .		0
206	Frequency combs in quadratically nonlinear resonators. , 2016, , .		0
207	Ultrabroadband Dispersive Radiation by Spatiotemporal Oscillation of Multimode Waves. , 2016, , .		0
208	Experimental Observation of Inviscid Burgersâ€™ Equation Dynamics in Nonlinear Fiber Optics. , 2016, , .		0
209	Single envelope equation modelling of frequency comb generation in quadratic and cubic nonlinear resonators. , 2016, , .		0
210	Complex temporal dynamics in optical cavities. , 2015, , .		0
211	Optimal frequency conversion in the nonlinear stage of modulation instability. Optics Express, 2015, 23, 30861.	1.7	26
212	Optical rogue waves in parametric three-wave mixing and coherent stimulated scattering. Physical Review A, 2015, 92, .	1.0	36
213	Polarization modulation instability in a Manakov fiber system. Physical Review A, 2015, 92, .	1.0	61
214	Ultrabroadband Dispersive Radiation by Spatiotemporal Oscillation of Multimode Waves. Physical Review Letters, 2015, 115, 223902.	2.9	158
215	Ginzburgâ€™Landau turbulence in quasiâ€™CW Raman fiber lasers. Laser and Photonics Reviews, 2015, 9, L35.	4.4	19
216	Multi-Stability and Super Cavity Solitons in Microresonator Frequency Combs. , 2015, , .		0

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217	Self-increased acceptance bandwidth of second harmonic generation for high-energy light sources. , 2015, , .		0
218	Bragg grating rogue wave. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1067-1070.	0.9	21
219	Experimental demonstration of spectral sideband splitting in strongly dispersion oscillating fibers. Optics Letters, 2015, 40, 455.	1.7	6
220	Improved Intrapulse Raman Scattering Control via Asymmetric Airy Pulses. Physical Review Letters, 2015, 114, 073901.	2.9	42
221	Optical Guided Wave Switching. Springer Series in Optical Sciences, 2015, , 71-104.	0.5	0
222	Dispersive Wave Emission in Dual Concentric Core Fiber: The Role of Solitonâ€“Soliton Collisions. IEEE Photonics Technology Letters, 2015, 27, 1145-1148.	1.3	5
223	Comment on â€œGHz pulse train generation in fiber lasers by cavity induced modulation instabilityâ€•. Optical Fiber Technology, 2015, 25, 13-14.	1.4	0
224	Nonlinear virtues of multimode fibre. Nature Photonics, 2015, 9, 289-291.	15.6	69
225	Baseband modulation instability as the origin of rogue waves. Physical Review A, 2015, 91, .	1.0	150
226	Nonlinear parametric resonances in quasiperiodic dispersion oscillating fibers. Optics Communications, 2015, 348, 24-30.	1.0	4
227	Temporal cavity soliton formation in an anomalous dispersion cavity fiber laser: comment. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 2086.	0.9	0
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229	Frequency comb generation beyond the Lugiatoâ€“Lefever equation: multi-stability and super cavity solitons. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1259.	0.9	67
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