

Nail Akhmediev

List of Publications by Year in descending order

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352
papers

24,738
citations

7096

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7745

150
g-index

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353
docs citations

353
times ranked

4390
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-degenerate multi-rogue waves and easy ways of their excitation. <i>Physica D: Nonlinear Phenomena</i> , 2022, 433, 133192.	2.8	20
2	Nondegenerate Kuznetsov-Ma solitons of Manakov equations and their physical spectra. <i>Physical Review A</i> , 2022, 105, .	2.5	26
3	Waves that Appear From Nowhere: Complex Rogue Wave Structures and Their Elementary Particles. <i>Frontiers in Physics</i> , 2021, 8, .	2.1	35
4	Complex Korteweg-de Vries equation: A deeper theory of shallow water waves. <i>Physical Review E</i> , 2021, 103, 022216.	2.1	4
5	Extraordinary modulation instability in optics and hydrodynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	36
6	Heterodyne Optical Time Domain Reflectometer Combined With Active Loss Compensation: A Practical Tool for Investigating Fermi Pasta Ulam Recurrence Process and Breathers Dynamics in Optical Fibers. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	11
7	Concurrent Passive Mode-Locked and Self- Q -Switched Operation in Laser Systems. <i>Physical Review Letters</i> , 2021, 126, 224101.	7.8	14
8	Q -switching bifurcation dynamics of passively mode-locked lasers. <i>Physical Review E</i> , 2021, 104, 024221.	2.1	2
9	The Peregrine Breather on the Zero-Background Limit as the Two-Soliton Degenerate Solution: An Experimental Study. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	9
10	Exact Analytic Spectra of Asymmetric Modulation Instability in Systems with Self-Steepening Effect. <i>Physical Review Letters</i> , 2021, 127, 094102.	7.8	22
11	Extreme spectral asymmetry of Akhmediev breathers and Fermi-Pasta-Ulam recurrence in a Manakov system. <i>Physical Review E</i> , 2021, 104, 024215.	2.1	21
12	Role of the quintic nonlinear refractive term in the stability of dissipative solitons of the complex Ginzburg-Landau equation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 3541.	2.1	2
13	Experimental Realization of Periodic Deep-Water Wave Envelopes with and without Dissipation. <i>Water Waves</i> , 2020, 2, 113-122.	1.0	4
14	Infinitely extended complex KdV equation and its solutions : solitons and rogue waves. <i>Physica Scripta</i> , 2020, 95, 035201.	2.5	7
15	Intricate dynamics of rogue waves governed by the Sasa-Satsuma equation. <i>Physica D: Nonlinear Phenomena</i> , 2020, 402, 132252.	2.8	21
16	Concurrent instabilities causing multiple rogue waves in infinite-dimensional dynamical systems. <i>Nonlinear Dynamics</i> , 2020, 99, 2265-2275.	5.2	2
17	Fundamental Peregrine Solitons of Ultrastrong Amplitude Enhancement through Self-Steepening in Vector Nonlinear Systems. <i>Physical Review Letters</i> , 2020, 124, 113901.	7.8	34
18	Doubly periodic solutions of the focusing nonlinear Schrödinger equation: Recurrence, period doubling, and amplification outside the conventional modulation-instability band. <i>Physical Review A</i> , 2020, 101, .	2.5	43

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19	Observation of doubly periodic solutions of the nonlinear Schrödinger equation in optical fibers. Optics Letters, 2020, 45, 3757.	3.3	16
20	The IST spectral portraits of the first order doubly periodic solutions of the nonlinear Schrödinger equation. Physica Scripta, 2020, 95, 115202.	2.5	0
21	Two-breather solutions for the class I infinitely extended nonlinear Schrödinger equation and their special cases. Nonlinear Dynamics, 2019, 98, 245-255.	5.2	4
22	Midinfrared Pulse Generation by Pumping in the Normal-Dispersion Regime of a Gas-Filled Hollow-Core Fiber. Physical Review Applied, 2019, 12, .	3.8	11
23	Bright and dark rogue internal waves: The Gardner equation approach. Physical Review E, 2019, 99, 062224.	2.1	15
24	Revealing the Transition Dynamics from Q Switching to Mode Locking in a Soliton Laser. Physical Review Letters, 2019, 123, 093901.	7.8	173
25	Doubly periodic solutions of the class-I infinitely extended nonlinear Schrödinger equation. Physical Review E, 2019, 99, 052217.	2.1	12
26	Shallow-water rogue waves: An approach based on complex solutions of the Kortewegâ€“de Vries equation. Physical Review E, 2019, 99, 050201.	2.1	25
27	Drifting breathers and Fermiâ€“Pastaâ€“Ulam paradox for water waves. Wave Motion, 2019, 90, 168-174.	2.0	17
28	Directional soliton and breather beams. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9759-9763.	7.1	17
29	Super-regular breathers in nonlinear systems with self-steepening effect. Physical Review E, 2019, 100, 062201.	2.1	19
30	Rogue waves in higher-order systems: Lagrangian approach. Physica Scripta, 2019, 94, 035203.	2.5	2
31	Chessboard-like spatio-temporal interference patterns and their excitation. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1294.	2.1	20
32	New developments in the theory of rogue waves. , 2019, , .		0
33	Rogue wave-type solutions of the mKdV equation and their relation to known NLSE rogue wave solutions. Nonlinear Dynamics, 2018, 91, 1931-1938.	5.2	51
34	Generalised Sasaâ€“Satsuma Equation: Densities Approach to New Infinite Hierarchy of Integrable Evolution Equations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 1121-1128.	1.5	3
35	Modulation instability in higher-order nonlinear Schrödinger equations. Chaos, 2018, 28, 123116.	2.5	10
36	Drifting Rogue Packets. , 2018, , .		0

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37	Sasa-Satsuma hierarchy of integrable evolution equations. <i>Chaos</i> , 2018, 28, 053108.	2.5	11
38	Rogue waves under influence of Raman delay. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 899.	2.1	12
39	Empirical Formulae for Dispersion and Effective Mode Area in Hollow-Core Antiresonant Fibers. <i>Journal of Lightwave Technology</i> , 2018, 36, 4060-4065.	4.6	34
40	Dissipative solitons with extreme spikes in the normal and anomalous dispersion regimes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20180023.	3.4	6
41	Extreme Pulse Dynamics in Mode-Locked Lasers. <i>Springer Proceedings in Physics</i> , 2018, , 171-189.	0.2	0
42	Experiments on higher-order and degenerate Akhmediev breather-type rogue water waves. <i>Journal of Ocean Engineering and Marine Energy</i> , 2017, 3, 385-394.	1.7	12
43	Breather solutions of a fourth-order nonlinear Schrödinger equation in the degenerate, soliton, and rogue wave limits. <i>Physical Review E</i> , 2017, 96, 042209.	2.1	47
44	Rogue wave solutions for the infinite integrable nonlinear Schrödinger equation hierarchy. <i>Physical Review E</i> , 2017, 96, 012219.	2.1	32
45	Adiabatic transformation of continuous waves into trains of pulses. <i>Physical Review A</i> , 2017, 96, .	2.5	32
46	Few-cycle solitons that do not want to be too short in duration. , 2017, , .		0
47	Dissipative solitons with extreme spikes. , 2017, , .		0
48	Kerr frequency combs and triangular spectra. <i>Optics Letters</i> , 2017, 42, 2126.	3.3	3
49	Dissipative solitons with extreme spikes: bifurcation diagrams in the anomalous dispersion regime. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 1542.	2.1	14
50	Positive and negative curvatures nested in an antiresonant hollow-core fiber. <i>Optics Letters</i> , 2017, 42, 703.	3.3	56
51	Mid-infrared supercontinuum generation in supercritical xenon-filled hollow-core negative curvature fibers. <i>Optics Letters</i> , 2016, 41, 5122.	3.3	62
52	Periodic and rational solutions of modified Korteweg-de Vries equation. <i>European Physical Journal D</i> , 2016, 70, 1.	1.3	29
53	Roadmap on optical rogue waves and extreme events. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 063001.	2.2	225
54	Hydrodynamic Envelope Solitons and Breathers. <i>Lecture Notes in Physics</i> , 2016, , 55-87.	0.7	3

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55	Breather turbulence versus soliton turbulence: Rogue waves, probability density functions, and spectral features. <i>Physical Review E</i> , 2016, 94, 022212.	2.1	52
56	Infinite hierarchy of nonlinear Schrödinger equations and their solutions. <i>Physical Review E</i> , 2016, 93, 012206.	2.1	133
57	Integrable Turbulence and Rogue Waves: Breathers or Solitons?. <i>Physical Review Letters</i> , 2016, 116, 103901.	7.8	181
58	Modulation Instability and Phase-Shifted Fermi-Pasta-Ulam Recurrence. <i>Scientific Reports</i> , 2016, 6, 28516.	3.3	112
59	How Cherenkov radiative losses can improve optical frequency combs. <i>Science</i> , 2016, 351, 340-341.	12.6	5
60	Observation of Coexisting Dissipative Solitons in a Mode-Locked Fiber Laser. <i>Physical Review Letters</i> , 2015, 115, 253903.	7.8	35
61	Extreme soliton pulsations in dissipative systems. <i>Physical Review E</i> , 2015, 92, 022926.	2.1	75
62	Superregular Breathers in Optics and Hydrodynamics: Omnipresent Modulation Instability beyond Simple Periodicity. <i>Physical Review X</i> , 2015, 5, .	8.9	91
63	Nonlinear Photonics 2014: Introduction. <i>Optics Express</i> , 2015, 23, 484.	3.4	0
64	Breather solutions of the integrable quintic nonlinear Schrödinger equation and their interactions. <i>Physical Review E</i> , 2015, 91, 022919.	2.1	63
65	Moving breathers and breather-to-soliton conversions for the Hirota equation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015, 471, 20150130.	2.1	85
66	Breather-to-soliton conversions described by the quintic equation of the nonlinear Schrödinger hierarchy. <i>Physical Review E</i> , 2015, 91, 032928.	2.1	98
67	Integrable equations of the infinite nonlinear Schrödinger equation hierarchy with time variable coefficients. <i>Chaos</i> , 2015, 25, 103114.	2.5	43
68	Extreme amplitude spikes in a laser model described by the complex Ginzburg-Landau equation. <i>Optics Letters</i> , 2015, 40, 2949.	3.3	28
69	Spiny solitons and noise-like pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 1377.	2.1	45
70	Rogue wave spectra of the Sasa-Satsuma equation. <i>Physica D: Nonlinear Phenomena</i> , 2015, 294, 37-42.	2.8	42
71	Solitons that are too Short in Duration. , 2014, , .		0
72	Dissipative solitons with energy and matter flows. , 2014, , .		0

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73	Exploding solitons vs rogue waves in laser cavities. , 2014, , .		2
74	Spectral properties of limiting solitons in optical fibers. Optics Express, 2014, 22, 30251.	3.4	8
75	Recent progress in theory of nonlinear pulse propagation in optical fibers. , 2014, , .		1
76	Fermi-Pasta-Ulam Recurrence in Nonlinear Fiber Optics: The Role of Reversible and Irreversible Losses. Physical Review X, 2014, 4, .	8.9	37
77	Ultrashort optical solitons in transparent nonlinear media with arbitrary dispersion. Optical and Quantum Electronics, 2014, 46, 1233-1238.	3.3	10
78	Rogue waves and solitons on a cnoidal background. European Physical Journal: Special Topics, 2014, 223, 43-62.	2.6	96
79	Gray solitons on the surface of water. Physical Review E, 2014, 89, 011002.	2.1	16
80	Extended nonlinear Schrödinger equation with higher-order odd and even terms and its rogue wave solutions. Physical Review E, 2014, 89, 012907.	2.1	154
81	Higher-order integrable evolution equation and its soliton solutions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 358-361.	2.1	126
82	Solutions of the higher-order Manakov-type continuous and discrete equations. Physical Review E, 2014, 90, 012902.	2.1	2
83	Hydrodynamics of periodic breathers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140005.	3.4	63
84	Soliton solutions of an integrable nonlinear Schrödinger equation with quintic terms. Physical Review E, 2014, 90, 032922.	2.1	117
85	Rogue waves of the Sasa-Satsuma equation in a chaotic wave field. Physical Review E, 2014, 90, 032902.	2.1	45
86	Double peak rogue waves of the Sasa-Satsuma equation in a chaotic wave field. , 2014, , .		1
87	Multiple appearances and disappearances of Fermi Pasta Ulam Recurrence due to reversible and irreversible losses in Nonlinear Fiber Optics. , 2014, , .		0
88	Super-rogue waves in simulations based on weakly nonlinear and fully nonlinear hydrodynamic equations. Physical Review E, 2013, 88, 012909.	2.1	65
89	Hydrodynamic Supercontinuum. Physical Review Letters, 2013, 111, 054104.	7.8	57
90	Exploding dissipative solitons in reaction-diffusion systems. Physical Review E, 2013, 88, 042911.	2.1	16

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91	Classifying the hierarchy of nonlinear-Schrödinger-equation rogue-wave solutions. Physical Review E, 2013, 88, 013207.	2.1	147
92	Experiments on wind-perturbed rogue wave hydrodynamics using the Peregrine breather model. Physics of Fluids, 2013, 25, .	4.0	59
93	Observation of rogue wave triplets in water waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2590-2593.	2.1	64
94	Ultrashort optical solitons in nonlinear media with arbitrary dispersion. , 2013, , .		0
95	Solitons on a background, rogue waves, and classical soliton solutions of extended Nonlinear Schrödinger Equations. , 2013, , .		0
96	Few-cycle optical solitary waves in nonlinear dispersive media. Physical Review A, 2013, 87, .	2.5	31
97	Solitons on a background, rogue waves, and classical soliton solutions of the Sasa-Satsuma equation. Journal of Optics (United Kingdom), 2013, 15, 064006.	2.2	10
98	Dissipative solitons with energy and matter flows: Fundamental building blocks for the world of living organisms. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 968-974.	2.1	15
99	Experimental Observation of Dark Solitons on the Surface of Water. Physical Review Letters, 2013, 110, 124101.	7.8	87
100	Dissipative rogue wave generation in multiple-pulsing mode-locked fiber laser. Journal of Optics (United Kingdom), 2013, 15, 064005.	2.2	46
101	Dissipative rogue waves through multi-pulse collisions in a fiber laser. , 2013, , .		0
102	Appearances and disappearances of Fermi Pasta Ulam recurrence in nonlinear fiber optics. , 2013, , .		0
103	Recent progress in investigating optical rogue waves. Journal of Optics (United Kingdom), 2013, 15, 060201.	2.2	252
104	The phase patterns of higher-order rogue waves. Journal of Optics (United Kingdom), 2013, 15, 064011.	2.2	16
105	Rogue waves in optical fibers in presence of third-order dispersion, self-steepening, and self-frequency shift. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 87.	2.1	70
106	Rogue waves of the nonlinear Schrödinger equation with even symmetric perturbations. Journal of Optics (United Kingdom), 2013, 15, 064007.	2.2	7
107	Rogue waves and other solutions of single and coupled Ablowitz-Ladik and nonlinear Schrödinger equations. Journal of Optics (United Kingdom), 2013, 15, 064008.	2.2	17
108	Seeded and spontaneous higher-order modulation instability. , 2012, , .		0

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109	Rogue wave clusters with atom-like structures. , 2012, , .		0
110	Focus Issue Introduction: Nonlinear Photonics. Optics Express, 2012, 20, 27212.	3.4	3
111	Sasa-Satsuma equation: Soliton on a background and its limiting cases. Physical Review E, 2012, 86, 026606.	2.1	88
112	Experimental study of spatiotemporally localized surface gravity water waves. Physical Review E, 2012, 86, 016311.	2.1	60
113	Modulation instability, Cherenkov radiation, and Fermiâ€™Pastaâ€™Ulam recurrence. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1930.	2.1	24
114	Higher-order modulation instability in fiber optics. , 2012, , .		0
115	Super Rogue Waves: Observation of a Higher-Order Breather in Water Waves. Physical Review X, 2012, 2, .	8.9	199
116	Observation of a hierarchy of up to fifth-order rogue waves in a water tank. Physical Review E, 2012, 86, 056601.	2.1	172
117	Observation of Kuznetsov-Ma soliton dynamics in optical fibre. Scientific Reports, 2012, 2, 463.	3.3	345
118	Triangular rogue wave cascades. Physical Review E, 2012, 86, 056602.	2.1	57
119	Spectral properties of the Peregrine soliton observed in a water wave tank. Journal of Geophysical Research, 2012, 117, .	3.3	18
120	Second-order nonlinear Schrödinger equation breather solutions in the degenerate and rogue wave limits. Physical Review E, 2012, 85, 066601.	2.1	215
121	Dissipative solitons for mode-locked lasers. Nature Photonics, 2012, 6, 84-92.	31.4	1,362
122	Dissipative Rogue Waves Generated by Chaotic Pulse Bunching in a Mode-Locked Laser. Physical Review Letters, 2012, 108, 233901.	7.8	368
123	Observation of rogue wave holes in a water wave tank. Journal of Geophysical Research, 2012, 117, .	3.3	21
124	Persistence of rogue waves in extended nonlinear Schrödinger equations: Integrable Sasaâ€™Satsuma case. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1558-1561.	2.1	103
125	Kuznetsov-Ma Soliton Dynamics in Nonlinear Fiber Optics. , 2012, , .		1
126	Dissipative rogue wave generation from a mode-locked fiber laser experiment. , 2012, , .		0

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127	Rogue waves in extended nonlinear Schrödinger equations: Integrable Sasa–Satsuma case. , 2012, , .		0
128	Modulation instability, Fermi-Pasta-Ulam recurrence, rogue waves, nonlinear phase shift, and exact solutions of the Ablowitz-Ladik equation. Physical Review E, 2011, 83, 046603.	2.1	79
129	Approach to first-order exact solutions of the Ablowitz-Ladik equation. Physical Review E, 2011, 83, 056602.	2.1	21
130	Optical rogue waves and localized structures in nonlinear fiber optics. , 2011, , .		0
131	Dissipative rogue waves: Extreme pulses generated by passively mode-locked lasers. Physical Review E, 2011, 84, 016604.	2.1	168
132	Higher-Order Modulation Instability in Nonlinear Fiber Optics. Physical Review Letters, 2011, 107, 253901.	7.8	182
133	Spectral dynamics of modulation instability described using Akhmediev breather theory. Optics Letters, 2011, 36, 2140.	3.3	92
134	Convection-induced stabilization of optical dissipative solitons. Optics Letters, 2011, 36, 4410.	3.3	3
135	Rogue Wave Observation in a Water Wave Tank. Physical Review Letters, 2011, 106, 204502.	7.8	960
136	Circular rogue wave clusters. Physical Review E, 2011, 84, 056611.	2.1	179
137	Dispersion of nonlinear group velocity determines shortest envelope solitons. Physical Review A, 2011, 84, .	2.5	21
138	Rogue waves as energy concentrators in arrays of coupled nonlinear waveguides. Proceedings of SPIE, 2011, , .	0.8	0
139	Rediscovered dynamics of nonlinear fiber optics: from breathers to extreme localisation. , 2011, , .		0
140	Analytical studies of modulation instability and nonlinear compression dynamics in optical fiber propagation. Proceedings of SPIE, 2011, , .	0.8	2
141	Peregrine soliton in optical fiber-based systems. , 2011, , .		1
142	Recurrence phase shift in Fermi–Pasta–Ulam nonlinear dynamics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 4158-4161.	2.1	26
143	Generating ultra-short high-energy pulses using dissipative soliton resonance: Pulse compression schemes. , 2011, , .		3
144	Early detection of rogue waves in a chaotic wave field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2999-3001.	2.1	34

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145	Universal triangular spectra in parametrically-driven systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 775-779.	2.1	45
146	Rogue wave early warning through spectral measurements?. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 541-544.	2.1	78
147	Rogue wave triplets. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2782-2785.	2.1	195
148	Universal spectral dynamics of modulation instability: theory, simulation, experiment. , 2011, , .		1
149	Ubiquitous Rogue Waves. , 2011, , .		0
150	Characteristic triangular spectra of extreme localised structures: insight from optics into rogue wave early warning. , 2011, , .		0
151	Optical Rogue Waves: Physics and Impact. , 2011, , .		0
152	Rogue waves, rational solutions, the patterns of their zeros and integral relations. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 122002.	2.1	119
153	Editorial "Introductory remarks on "Discussion & Debate: Rogue Waves " Towards a Unifying Concept?" European Physical Journal: Special Topics, 2010, 185, 1-4.	2.6	202
154	Rogue waves " towards a unifying concept?: Discussions and debates. European Physical Journal: Special Topics, 2010, 185, 5-15.	2.6	100
155	Vector rogue waves in binary mixtures of Bose-Einstein condensates. European Physical Journal: Special Topics, 2010, 185, 169-180.	2.6	185
156	Could rogue waves be used as efficient weapons against enemy ships?. European Physical Journal: Special Topics, 2010, 185, 259-266.	2.6	32
157	Efficient modulation frequency doubling by induced modulation instability. Optics Communications, 2010, 283, 1152-1154.	2.1	35
158	Collisions and turbulence in optical rogue wave formation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 989-996.	2.1	106
159	The Peregrine soliton in nonlinear fibre optics. Nature Physics, 2010, 6, 790-795.	16.7	1,166
160	Modulation instability, Akhmediev breathers, and rogue waves in nonlinear fiber optics. Proceedings of SPIE, 2010, , .	0.8	1
161	Supercontinuum to solitons: New nonlinear structures in fiber propagation. , 2010, , .		0
162	Akhmediev Breather dynamics and the nonlinear modulation instability spectrum. Proceedings of SPIE, 2010, , .	0.8	0

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163	Collisions and emergence of optical rogue solitons. , 2010, , .		0
164	Discrete rogue waves of the Ablowitz-Ladik and Hirota equations. Physical Review E, 2010, 82, 026602.	2.1	152
165	Rogue waves and rational solutions of the Hirota equation. Physical Review E, 2010, 81, 046602.	2.1	413
166	Dissipative soliton resonance as a guideline for high-energy pulse laser oscillators. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2336.	2.1	137
167	Three-dimensional rogue waves in nonstationary parabolic potentials. Physical Review E, 2010, 82, 036610.	2.1	121
168	Dissipative solitons for mode-locked fiber lasers. , 2010, , .		1
169	Dissipative Soliton Lasers. , 2010, , .		0
170	Rogue waves in presence of higher order effects. , 2010, , .		0
171	Collisions in optical rogue wave formation. , 2010, , .		0
172	Matter rogue waves. Physical Review A, 2009, 80, .	2.5	558
173	Dissipative ring solitons with high values of vorticity. , 2009, , .		0
174	Waves that appear from nowhere - rogue waves in optics. , 2009, , .		0
175	Dissipative soliton resonances in the anomalous dispersion regime. Physical Review A, 2009, 79, .	2.5	155
176	Effect of an external periodic potential on pairs of dissipative solitons. Physical Review A, 2009, 80, .	2.5	20
177	Rogue waves and turbulence in optics: Rediscovered frontiers in nonlinear dynamics. , 2009, , .		0
178	Pulsating dissipative light bullets. , 2009, , .		0
179	DISSIPATIVE SOLITONS: PRESENT UNDERSTANDING, APPLICATIONS AND NEW DEVELOPMENTS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 2621-2636.	1.7	24
180	Complexes and molecules of dissipative solitons in mode-locked lasers. , 2009, , .		0

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181	Are rogue waves robust against perturbations?. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3997-4000.	2.1	182
182	Waves that appear from nowhere and disappear without a trace. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 675-678.	2.1	1,052
183	Extreme waves that appear from nowhere: On the nature of rogue waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2137-2145.	2.1	523
184	Rogue waves as spatial energy concentrators in arrays of nonlinear waveguides. Optics Letters, 2009, 34, 3015.	3.3	95
185	Rogue waves and rational solutions of the nonlinear Schrödinger equation. Physical Review E, 2009, 80, 026601.	2.1	803
186	How to excite a rogue wave. Physical Review A, 2009, 80, .	2.5	262
187	Influence of external phase and gain-loss modulation on bound solitons in laser systems. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 2204.	2.1	17
188	Dissipative ring solitons with vorticity. Optics Express, 2009, 17, 4236.	3.4	46
189	Modulation instability, Akhmediev Breathers and continuous wave supercontinuum generation. Optics Express, 2009, 17, 21497.	3.4	456
190	Stationary and pulsating dissipative light bullets from a collective variable approach. Physical Review E, 2009, 79, 026609.	2.1	33
191	Roadmap to ultra-short record high-energy pulses out of laser oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 3124-3128.	2.1	189
192	Heat dissipative solitons in optical fibers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1531-1534.	2.1	17
193	Comparison of Lagrangian approach and method of moments for reducing dimensionality of soliton dynamical systems. Chaos, 2008, 18, 033129.	2.5	5
194	Dissipative soliton resonances. Physical Review A, 2008, 78, .	2.5	376
195	Optical Fiber Systems Are Convectively Unstable. Physical Review Letters, 2008, 101, 113904.	7.8	48
196	Velocity of heat dissipative solitons in optical fibers. Optics Letters, 2008, 33, 2176.	3.3	9
197	Dissipative soliton resonances in laser models with parameter management. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1972.	2.1	100
198	Transformations of continuously self-focusing and continuously self-defocusing dissipative solitons. Optics Express, 2008, 16, 15388.	3.4	21

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199	Three Sources and Three Component Parts of the Concept of Dissipative Solitons. Lecture Notes in Physics, 2008, , 1-28.	0.7	20
200	Continuously self-focusing and continuously self-defocusing two-dimensional beams in dissipative media. Physical Review A, 2008, 77, .	2.5	22
201	Interactions and transformations of dissipative optical bullets. , 2007, , .		0
202	Vibrating temporal soliton pairs. , 2007, , .		0
203	Creeping solitons in dissipative systems and their bifurcations. Physical Review E, 2007, 76, 016607.	2.1	42
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