Dmitry E Pelinovsky

List of Publications by Year
in descending order

153 papers	4,421 citations	126858 33 h-index	138417 58 g-index
159 all docs	159 docs citations	159 times ranked	1444 citing authors

#	Article	IF	Citations
1	Periodic Waves in the Fractional Modified Korteweg–de Vries Equation. Journal of Dynamics and Differential Equations, 2022, 34, 1601-1640.	1.0	5
2	Stability of smooth periodic travelling waves in the Camassa–Holm equation. Studies in Applied Mathematics, 2022, 148, 27-61.	1.1	9
3	Standing waves on quantum graphs. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 243001.	0.7	9
4	Linear Instability of Breathers for the Focusing Nonlinear Schrödinger Equation. Journal of Nonlinear Science, 2022, 32, .	1.0	8
5	Edge-localized states on quantum graphs in the limit of large mass. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2021, 38, 1295-1335.	0.7	13
6	Standing waves on a flower graph. Journal of Differential Equations, 2021, 271, 719-763.	1.1	11
7	$W^{1,infty}$ instability of H^1-stable peakons in the Novikov equation. Dynamics of Partial Differential Equations, 2021, 18, 176-197.	1.0	8
8	Instability of Double-Periodic Waves in the Nonlinear Schrödinger Equation. Frontiers in Physics, 2021, 9, .	1.0	14
9	Modulational Instability of Periodic Standing Waves in the Derivative NLS Equation. Journal of Nonlinear Science, 2021, 31, 1.	1.0	24
10	Rogue waves on the background of periodic standing waves in the derivative nonlinear Schrödinger equation. Physical Review E, 2021, 103, 062206.	0.8	36
11	Asymptotic stability of viscous shocks in the modular Burgers equation. Nonlinearity, 2021, 34, 5979-6016.	0.6	2
12	Solitary waves with intensity-dependent dispersion: variational characterization. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 445701.	0.7	4
13	Stability and interaction of compactons in the sublinear KdV equation. Communications in Nonlinear Science and Numerical Simulation, 2021, 101, 105855.	1.7	7
14	Growth of Perturbations to the Peaked Periodic Waves in the Camassa--Holm Equation. SIAM Journal on Mathematical Analysis, 2021, 53, 3016-3039.	0.9	14
15	Multi-pulse edge-localized states on quantum graphs. Analysis and Mathematical Physics, 2021, 11, 1.	0.6	2
16	Green's Function for the Fractional KDV Equation on the Periodic Domain via Mittag-Leffler Function. Fractional Calculus and Applied Analysis, 2021, 24, 1507-1534.	1.2	5
17	Bifurcation of nonlinear bound states in the periodic Gross-Pitaevskii equation with ??-symmetry. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2020, 150, 171-204.	0.8	5
18	Instability of H1-stable peakons in the Camassa–Holm equation. Journal of Differential Equations, 2020, 268, 7342-7363.	1.1	20

#	Article	IF	Citations
19	Standing waves of the quintic NLS equation on the tadpole graph. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	0.9	18
20	Localized structures on librational and rotational travelling waves in the sine-Gordon equation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, .	1.0	18
21	New variational characterization of periodic waves in the fractional Korteweg–de Vries equation. Nonlinearity, 2020, 33, 1956-1986.	0.6	14
22	Chern–Simons–Schrödinger theory on a one-dimensional lattice. Letters in Mathematical Physics, 2020, 110, 2221-2244.	0.5	0
23	Periodic standing waves in the focusing nonlinear Schrödinger equation: Rogue waves and modulation instability. Physica D: Nonlinear Phenomena, 2020, 405, 132378.	1.3	48
24	The monoatomic FPU system as a limit of a diatomic FPU system. Applied Mathematics Letters, 2020, 107, 106387.	1.5	8
25	Spectral instability of the peaked periodic wave in the reduced Ostrovsky equations. Proceedings of the American Mathematical Society, 2020, 148, 5109-5125.	0.4	9
26	Observation of modulation instability and rogue breathers on stationary periodic waves. Physical Review Research, 2020, 2, .	1.3	34
27	Periodic Travelling Waves of the Modified KdV Equation and Rogue Waves on the Periodic Background. Journal of Nonlinear Science, 2019, 29, 2797-2843.	1.0	59
28	Darboux transformation and soliton solutions of the semi-discrete massive Thirring model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125948.	0.9	19
29	Nonexistence of self-similar blowup for the nonlinear Dirac equations in (1+1) dimensions. Applied Mathematics Letters, 2019, 92, 176-183.	1.5	2
30	Preface: Nonlinear waves in fluids in honor of Roger Grimshaw on the occasion of his 80th birthday. Studies in Applied Mathematics, 2019, 142, 215-218.	1.1	0
31	Ground State of the Conformal Flow on ? 3. Communications on Pure and Applied Mathematics, 2019, 72, 1123-1151.	1.2	4
32	Preface: Nonlinear waves in fluids in honor of Roger Grimshaw on the occasion of his 80th birthday: Part II. Studies in Applied Mathematics, 2019, 142, 417-418.	1.1	0
33	Convergence of Petviashvili's Method near Periodic Waves in the Fractional Korteweg--de Vries Equation. SIAM Journal on Mathematical Analysis, 2019, 51, 2850-2883.	0.9	16
34	Rogue waves on the double-periodic background in the focusing nonlinear Schrödinger equation. Physical Review E, 2019, 100, 052219.	0.8	69
35	Drift of Spectrally Stable Shifted States on Star Graphs. SIAM Journal on Applied Dynamical Systems, 2019, 18, 1723-1755.	0.7	13
36	Integrable semi-discretization of the massive Thirring system in laboratory coordinates. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 03LT01.	0.7	5

#	Article	IF	Citations
37	Inverse Scattering for the Massive Thirring Model. Fields Institute Communications, 2019, , 497-528.	0.6	3
38	Rogue periodic waves of the focusing nonlinear Schrödinger equation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170814.	1.0	75
39	Nonlinear instability of half-solitons on star graphs. Journal of Differential Equations, 2018, 264, 7357-7383.	1.1	16
40	Rogue periodic waves of the modified KdV equation. Nonlinearity, 2018, 31, 1955-1980.	0.6	96
41	Existence of Global Solutions to the Derivative NLS Equation with the Inverse Scattering Transform Method. International Mathematics Research Notices, 2018, 2018, 5663-5728.	0.5	33
42	Krein signature for instability of $\mathcal{PT}$-symmetric states. Physica D: Nonlinear Phenomena, 2018, 371, 48-59.	1.3	1
43	Normal form for transverse instability of the line soliton with a nearly critical speed of propagation. Mathematical Modelling of Natural Phenomena, 2018, 13, 23.	0.9	4
44	On the impossibility of solitary Rossby waves in meridionally unbounded domains. Physics of Fluids, 2018, 30, .	1.6	1
45	Spectral stability of shifted states on star graphs. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 095203.	0.7	22
46	Bifurcations of Standing Localized Waves on Periodic Graphs. Annales Henri Poincare, 2017, 18, 1185-1211.	0.8	37
47	Spectral stability of periodic waves in the generalized reduced Ostrovsky equation. Letters in Mathematical Physics, 2017, 107, 1293-1314.	0.5	15
48	Counting Unstable Eigenvalues in Hamiltonian Spectral Problems via Commuting Operators. Communications in Mathematical Physics, 2017, 354, 247-268.	1.0	15
49	Global solutions to the shallow water system with a method of an additional argument. Applicable Analysis, 2017, 96, 1444-1465.	0.6	5
50	On the linearized log-KdV equation. Communications in Mathematical Sciences, 2017, 15, 863-880.	0.5	6
51	The derivative NLS equation: global existence with solitons. Dynamics of Partial Differential Equations, 2017, 14, 271-294.	1.0	18
52	Breathers in Hamiltonian PT -Symmetric Chains of Coupled Pendula under a Resonant Periodic Force. Symmetry, 2016, 8, 59.	1.1	12
53	Long-time stability of breathers in Hamiltonian ${ \mathcal P }{ \mathcal T }$-symmetric lattices. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 475201.	0.7	10
54	Existence and stability of $\mathcal{PT}$-symmetric states in nonlinear two-dimensional square lattices. Physica D: Nonlinear Phenomena, 2016, 326, 1-20.	1.3	2

#	Article	IF	Citations
55	Ground State on the Dumbbell Graph. Applied Mathematics Research EXpress, 2016, 2016, 98-145.	1.0	30
56	Approximation of small-amplitude weakly coupled oscillators by discrete nonlinear Schrödinger equations. Reviews in Mathematical Physics, 2016, 28, 1650015.	0.7	11
57	Orbital stability of periodic waves in the class of reduced Ostrovsky equations. Journal of Differential Equations, 2016, 261, 3268-3304.	1.1	16
58	Energy Criterion for the Spectral Stability of Discrete Breathers. Physical Review Letters, 2016, 117, 094101.	2.9	20
59	Validity of the NLS approximation for periodic quantum graphs. Nonlinear Differential Equations and Applications, 2016, 23, 1.	0.4	18
60	Nonlinear Instabilities of Multi‐Site Breathers in Klein‐Gordon Lattices. Studies in Applied Mathematics, 2016, 137, 214-237.	1.1	11
61	L^2 orbital stability of Dirac solitons in the massive Thirring model. Communications in Partial Differential Equations, 2016, 41, 227-255.	1.0	17
62	Transverse Instability of Line Solitary Waves in Massive Dirac Equations. Journal of Nonlinear Science, 2016, 26, 365-403.	1.0	5
63	Orbital stability in the cubic defocusing NLS equation: I. Cnoidal periodic waves. Journal of Differential Equations, 2015, 258, 3607-3638.	1.1	25
64	On numerical modelling and the blow-up behavior of contact lines with a $$\mathbf{180}^{\varvec{\circ}}$$ 180 ∘ contact angle. Journal of Engineering Mathematics, 2015, 92, 31-44.	0.6	7
65	Domain Walls in the Coupled Gross‐Pitaevskii Equations. Archive for Rational Mechanics and Analysis, 2015, 215, 579-610.	1.1	21
66	Bifurcations and stability of standing waves in the nonlinear Schrödinger equation on the tadpole graph. Nonlinearity, 2015, 28, 2343-2378.	0.6	58
67	Orbital stability in the cubic defocusing NLS equation: II. The black soliton. Journal of Differential Equations, 2015, 258, 3639-3660.	1.1	7
68	Global Existence of Solutions to Coupled ? ? $\mathcal {PT}$ -Symmetric Nonlinear Schrödinger Equations. International Journal of Theoretical Physics, 2015, 54, 3920-3931.	0.5	12
69	Persistence of the Thomas‐Fermi approximation for ground states of the Gross‐Pitaevskii equation supported by the nonlinear confinement. Applied Mathematics Letters, 2015, 40, 45-48.	1.5	9
70	On the Thomas‐Fermi Approximation of the Ground State in a ‐Symmetric Confining Potential. Studies in Applied Mathematics, 2014, 133, 398-421.	1.1	5
71	On the orbital stability of Gaussian solitary waves in the log-KdV equation. Nonlinearity, 2014, 27, 3185-3202.	0.6	17
72	Stability of multi-solitons in the cubic NLS equation. Journal of Hyperbolic Differential Equations, 2014, 11, 329-353.	0.3	15

#	Article	IF	Citations
73	Justification of a nonlinear Schrödinger model for laser beams in photopolymers. Zeitschrift Fur Angewandte Mathematik Und Physik, 2014, 65, 405-433.	0.7	3
74	Wave Systems with an Infinite Number of Localized Traveling Waves. Physical Review Letters, 2014, 112, 054103.	2.9	35
75	Gaussian solitary waves and compactons in Fermi–Pasta–Ulam lattices with Hertzian potentials. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20130462.	1.0	41
76	The asymptotic stability of solitons in the cubic NLS equation on the line. Applicable Analysis, 2014, 93, 791-822.	0.6	34
77	Orbital Stability of Dirac Solitons. Letters in Mathematical Physics, 2014, 104, 21-41.	0.5	31
78	Justification of the log--KdV Equation in Granular Chains: The Case of Precompression. SIAM Journal on Mathematical Analysis, 2014, 46, 4075-4103.	0.9	17
79	Rigorous justification of the short-pulse equation. Nonlinear Differential Equations and Applications, 2013, 20, 1277-1294.	0.4	14
80	Periodic Traveling Waves in Diatomic Granular Chains. Journal of Nonlinear Science, 2013, 23, 689-730.	1.0	19
81	On transverse stability of discrete line solitons. Physica D: Nonlinear Phenomena, 2013, 255, 1-11.	1.3	9
82	Nonlinear Stationary States in PT-Symmetric Lattices. SIAM Journal on Applied Dynamical Systems, 2013, 12, 1210-1236.	0.7	39
83	Multilevel computations of dispersed drug release. Numerical Methods for Partial Differential Equations, 2013, 29, 1391-1415.	2.0	1
84	Nonlinear dynamics in PT-symmetric lattices. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 365201.	0.7	43
85	Global existence of small-norm solutions in the reduced Ostrovsky equation. Discrete and Continuous Dynamical Systems, 2013, 34, 557-566.	0.5	23
86	Bifurcations of Asymmetric Vortices in Symmetric Harmonic Traps. Applied Mathematics Research EXpress, 2012, , .	1.0	1
87	Sharp bounds on enstrophy growth in the viscous Burgers equation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 3636-3648.	1.0	12
88	Asymptotic stability of small gap solitons in nonlinear Dirac equations. Journal of Mathematical Physics, 2012, 53, .	0.5	29
89	Vortex families near a spectral edge in the Gross-Pitaevskii equation with a two-dimensional periodic potential. Physical Review E, 2012, 85, 026605.	0.8	2
90	Multi-site breathers in Klein–Gordon lattices: stability, resonances and bifurcations. Nonlinearity, 2012, 25, 3423-3451.	0.6	35

#	Article	IF	Citations
91	Polychromatic Solitary Waves in a Periodic and Nonlinear Maxwell System. SIAM Journal on Applied Dynamical Systems, 2012, 11, 478-506.	0.7	13
92	On the validity of the variational approximation in discrete nonlinear Schrödinger equations. Physica D: Nonlinear Phenomena, 2012, 241, 115-124.	1.3	26
93	On the asymptotic stability of localized modes in the discrete nonlinear Schrödinger equation. Discrete and Continuous Dynamical Systems - Series S, 2012, 5, 971-987.	0.6	7
94	Enstrophy growth in the viscous Burgers equation. Dynamics of Partial Differential Equations, 2012, 9, 305-340.	1.0	8
95	Traveling Monotonic Fronts in the Discrete Nagumo Equation. Journal of Dynamics and Differential Equations, 2011, 23, 167-183.	1.0	3
96	Internal modes of discrete solitons near the anti-continuum limit of the dNLS equation. Physica D: Nonlinear Phenomena, 2011, 240, 265-281.	1.3	26
97	Convergence of the Adomian decomposition method for initial-value problems. Numerical Methods for Partial Differential Equations, 2011, 27, 749-766.	2.0	77
98	On the Thomas–Fermi ground state in a harmonic potential. Asymptotic Analysis, 2011, 73, 53-96.	0.2	17
99	Bounds on the tight-binding approximation for the Gross–Pitaevskii equation with a periodic potential. Journal of Differential Equations, 2010, 248, 837-849.	1.1	27
100	Asymptotic properties of excited states in the Thomas–Fermi limit. Nonlinear Analysis: Theory, Methods & Applications, 2010, 73, 2631-2643.	0.6	4
101	Count of eigenvalues in the generalized eigenvalue problem. Journal of Mathematical Physics, 2010, 51, .	0.5	43
102	Bifurcation of gap solitons in periodic potentials with a periodic sign-varying nonlinearity coefficient. Applicable Analysis, 2010, 89, 1335-1350.	0.6	5
103	Effects of rotation on stability of viscous stationary flows on a spherical surface. Physics of Fluids, 2010, 22, 126602.	1.6	12
104	Wave Breaking in the Ostrovsky–Hunter Equation. SIAM Journal on Mathematical Analysis, 2010, 42, 1967-1985.	0.9	47
105	Global Well-Posedness of the Short-Pulse and Sine–Gordon Equations in Energy Space. Communications in Partial Differential Equations, 2010, 35, 613-629.	1.0	63
106	Incompressible Viscous Fluid Flows in a Thin Spherical Shell. Journal of Mathematical Fluid Mechanics, 2009, 11, 60-90.	0.4	16
107	Coupled-Mode Equations and Gap Solitons in Two-Dimensional Nonlinear Elliptic Problem with Separable Periodic Potential. Journal of Nonlinear Science, 2009, 19, 95-131.	1.0	26
108	Eigenvalues of a nonlinear ground state in the Thomas–Fermi approximation. Journal of Mathematical Analysis and Applications, 2009, 355, 495-526.	0.5	14

#	ARTICLE	IF	CITATIONS
109	On quadratic eigenvalue problems arising in stability of discrete vortices. Linear Algebra and Its Applications, 2009, 431, 962-973.	0.4	15
110	Discrete Traveling Solitons in the Salerno Model. SIAM Journal on Applied Dynamical Systems, 2009, 8, 689-709.	0.7	15
111	Wave breaking in the short-pulse equation. Dynamics of Partial Differential Equations, 2009, 6, 291-310.	1.0	49
112	Lyapunovâ€"Schmidt reduction algorithm for three-dimensional discrete vortices. Physica D: Nonlinear Phenomena, 2008, 237, 339-350.	1.3	26
113	Dark solitons in external potentials. Zeitschrift Fur Angewandte Mathematik Und Physik, 2008, 59, 559-599.	0.7	27
114	Justification of the Lattice Equation for a Nonlinear Elliptic Problem with a Periodic Potential. Communications in Mathematical Physics, 2008, 284, 803-831.	1.0	24
115	Moving gap solitons in periodic potentials. Mathematical Methods in the Applied Sciences, 2008, 31, 1739-1760.	1.2	9
116	Three-dimensional gravity waves in a channel of variable depth. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 2104-2113.	1.7	6
117	Periodic oscillations of discrete NLS solitons in the presence of diffraction management. Nonlinearity, 2008, 21, 1265-1279.	0.6	13
118	Justification of the coupled-mode approximation for a nonlinear elliptic problem with a periodic potential. Applicable Analysis, 2007, 86, 1017-1036.	0.6	24
119	Nonlinear Instability of a Critical Traveling Wave in the Generalized Kortewegâ€"de Vries Equation. SIAM Journal on Mathematical Analysis, 2007, 39, 1-33.	0.9	11
120	One-parameter localized traveling waves in nonlinear Schrödinger lattices. Physica D: Nonlinear Phenomena, 2007, 236, 22-43.	1.3	19
121	Two-pulse solutions in the fifth-order KdV equation: Rigorous theory and numerical approximations. Discrete and Continuous Dynamical Systems - Series B, 2007, 8, 773-800.	0.5	14
122	Translationally invariant nonlinear Schrödinger lattices. Nonlinearity, 2006, 19, 2695-2716.	0.6	47
123	Block-Diagonalization of the Symmetric First-Order Coupled-Mode System. SIAM Journal on Applied Dynamical Systems, 2006, 5, 66-83.	0.7	32
124	Transverse instabilities of deep-water solitary waves. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 2039-2061.	1.0	27
125	Normal form for travelling kinks in discrete Kleinâ€"Gordon lattices. Physica D: Nonlinear Phenomena, 2006, 216, 327-345.	1.3	21
126	Exact conditions for existence of homoclinic orbits in the fifth-order KdV model. Nonlinearity, 2006, 19, 2277-2312.	0.6	8

#	Article	IF	Citations
127	Bifurcations of travelling wave solutions in the discrete NLS equations. Physica D: Nonlinear Phenomena, 2005, 202, 16-36.	1.3	39
128	Bifurcations from the endpoints of the essential spectrum in the linearized nonlinear Schrödinger problem. Journal of Mathematical Physics, 2005, 46, 053520.	0.5	16
129	Oscillations of dark solitons in trapped Bose-Einstein condensates. Physical Review E, 2005, 72, 016615.	0.8	45
130	Modeling of Wave Resonances in Low-Contrast Photonic Crystals. SIAM Journal on Applied Mathematics, 2005, 65, 1101-1129.	0.8	20
131	Stability analysis of embedded solitons in the generalized third-order nonlinear Schrödinger equation. Chaos, 2005, 15, 037115.	1.0	26
132	Translationally invariant discrete kinks from one-dimensional maps. Physical Review E, 2005, 72, 035602.	0.8	51
133	Inertia law for spectral stability of solitary waves in coupled nonlinear Schrödinger equations. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2005, 461, 783-812.	1.0	56
134	Bifurcations and stability of gap solitons in periodic potentials. Physical Review E, 2004, 70, 036618.	0.8	144
135	Convergence of Petviashvili's Iteration Method for Numerical Approximation of Stationary Solutions of Nonlinear Wave Equations. SIAM Journal on Numerical Analysis, 2004, 42, 1110-1127.	1.1	124
136	Purely nonlinear instability of standing waves with minimal energy. Communications on Pure and Applied Mathematics, 2003, 56, 1565-1607.	1.2	68
137	A normal form for nonlinear resonance of embedded solitons. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2002, 458, 1469-1497.	1.0	28
138	Wave group dynamics in weakly nonlinear long-wave models. Physica D: Nonlinear Phenomena, 2001, 159, 35-57.	1.3	96
139	A mysterious threshold for transverse instability of deep-water solitons. Mathematics and Computers in Simulation, 2001, 55, 585-594.	2.4	22
140	Transverse Instability of Vector Solitons and Generation of Dipole Arrays. Physical Review Letters, 2001, 87, 103903.	2.9	10
141	Self-focusing and transverse instabilities of solitary waves. Physics Reports, 2000, 331, 117-195.	10.3	385
142	Eigenfunctions and Eigenvalues for a Scalar Riemann-Hilbert Problem Associated to Inverse Scattering. Communications in Mathematical Physics, 2000, 208, 713-760.	1.0	22
143	Internal modes of envelope solitons. Physica D: Nonlinear Phenomena, 1998, 116, 121-142.	1.3	126
144	Internal Modes of Solitary Waves. Physical Review Letters, 1998, 80, 5032-5035.	2.9	192

#	Article	IF	Citations
145	Bifurcations of new eigenvalues for the Benjamin–Ono equation. Journal of Mathematical Physics, 1998, 39, 6552-6572.	0.5	15
146	On internal wave–shear flow resonance in shallow water. Journal of Fluid Mechanics, 1998, 354, 209-237.	1.4	16
147	Structural transformation of eigenvalues for a perturbed algebraic soliton potential. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 229, 165-172.	0.9	60
148	Nonlinear theory of oscillating, decaying, and collapsing solitons in the generalized nonlinear Schrödinger equation. Physical Review E, 1996, 53, 1940-1953.	0.8	139
149	GENERATION OF COLLECTIVE-ACTIVITY STRUCTURES IN A HOMOGENEOUS NEURON-LIKE MEDIUM I: BIFURCATION ANALYSIS OF STATIC STRUCTURES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1996, 06, 81-87.	0.7	9
150	GENERATION OF COLLECTIVE-ACTIVITY STRUCTURES IN A HOMOGENEOUS NEURON-LIKE MEDIUM II: DYNAMICS OF PROPAGATING AND PULSATING STRUCTURES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1996, 06, 89-100.	0.7	4
151	Asymptotic theory of plane soliton self-focusing in two-dimensional wave media. Physica D: Nonlinear Phenomena, 1995, 85, 468-484.	1.3	9
152	Self-focusing of plane dark solitons in nonlinear defocusing media. Physical Review E, 1995, 51, 5016-5026.	0.8	159
153	Rational solutions of the Kadomtsev–Petviashvili hierarchy and the dynamics of their poles. I. New form of a general rational solution. Journal of Mathematical Physics, 1994, 35, 5820-5830.	0.5	48