

Philip Rosenau

List of Publications by Year in descending order

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	On essential nonlinearities emerging from linear systems. <i>Wave Motion</i> , 2022, 110, 102881.	1.0	1
2	Compact patterns in a class of sublinear Gardner equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 110, 106384.	1.7	2
3	Waves in strongly nonlinear Gardner-like equations on a lattice. <i>Nonlinearity</i> , 2021, 34, 5872-5896.	0.6	1
4	Drops and Fingers in a Tempered Ginzburg-Landau set-up. <i>Physica D: Nonlinear Phenomena</i> , 2021, 425, 132956.	1.3	0
5	Flatons: Flat-top solitons in extended Gardner-like equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 91, 105442.	1.7	8
6	Solitary phase waves in a chain of autonomous oscillators. <i>Chaos</i> , 2020, 30, 053119.	1.0	5
7	Class of Lorentz-Invariant compact structures. <i>Physical Review D</i> , 2019, 99, .	1.6	1
8	Compactons. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 343001.	0.7	30
9	Loss of regularity in the $\{K(m, n)\}$ equations. <i>Nonlinearity</i> , 2018, 31, 2651-2665.	0.6	6
10	Multi-dimensional compactons and compact vortices. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 395201.	0.7	5
11	On Hamiltonian formulations of the $\langle \text{http://www.w3.org/1998/Math/MathML} \rangle$ $\langle \text{altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle$ $\langle \text{mathvariant="script"} \rangle C \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mo} \rangle$ $\langle \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle m \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle, \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle a \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle, \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle b \langle \text{mml:mi} \rangle$	0.9	10
12	Solid State Physics, 2017, 381, 1557-1562. On planar compactons with an extended regularity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 3558-3567.	0.9	2
13	On quintic equations with a linear window. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 135-141.	0.9	4
14	On singular and sincerely singular compact patterns. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 2724-2737.	0.9	7
15	On solitary patterns in Lotka-Volterra chains. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 095101.	0.7	10
16	On compactons induced by a non-convex convection. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014, 19, 1329-1337.	1.7	14
17	Breathers in strongly anharmonic lattices. <i>Physical Review E</i> , 2014, 89, 022924.	0.8	10
18	Compact breathers in a quasi-linear Klein-Gordon equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 1663-1667.	0.9	7

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19	Emergence of Compact Structures in a Klein-Gordon Model. <i>Physical Review Letters</i> , 2010, 104, 034101.	2.9	31
20	Compactification of Nonlinear Patterns and Waves. <i>Physical Review Letters</i> , 2008, 101, 264101.	2.9	28
21	Compactification of Patterns by a Singular Convection or Stress. <i>Physical Review Letters</i> , 2007, 99, 234102.	2.9	15
22	Multidimensional Compactons. <i>Physical Review Letters</i> , 2007, 98, 024101.	2.9	50
23	Phase compactons. <i>Physica D: Nonlinear Phenomena</i> , 2006, 218, 56-69.	1.3	54
24	On a model equation of traveling and stationary compactons. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 356, 44-50.	0.9	57
25	Compact and almost compact breathers: A bridge between an anharmonic lattice and its continuum limit. <i>Chaos</i> , 2005, 15, 015111.	1.0	44
26	Phase Compactons in Chains of Dispersively Coupled Oscillators. <i>Physical Review Letters</i> , 2005, 94, 174102.	2.9	67
27	Hamiltonian dynamics of dense chains and lattices: or how to correct the continuum. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 311, 39-52.	0.9	70
28	Compact and noncompact dispersive patterns. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 275, 193-203.	0.9	151
29	Compactons in a class of nonlinearly quintic equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 252, 297-306.	0.9	39
30	On Burgers-type equations with nonmonotonic dissipative fluxes. <i>Communications on Pure and Applied Mathematics</i> , 1998, 51, 443-473.	1.2	15
31	Pulsating multiplet solutions of quintic wave equations. <i>Physica D: Nonlinear Phenomena</i> , 1998, 123, 502-512.	1.3	14
32	On Burgers-type equations with nonmonotonic dissipative fluxes. , 1998, 51, 443.		2
33	On nonanalytic solitary waves formed by a nonlinear dispersion. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 230, 305-318.	0.9	181
34	Tri-Hamiltonian duality between solitons and solitary-wave solutions having compact support. <i>Physical Review E</i> , 1996, 53, 1900-1906.	0.8	596
35	Solitary waves in an elastic string. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 217, 31-42.	0.9	9
36	Compactons: Solitons with finite wavelength. <i>Physical Review Letters</i> , 1993, 70, 564-567.	2.9	890

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37	Dynamics of Dense Discrete Systems: High Order Effects. Progress of Theoretical Physics, 1988, 79, 1028-1042.	2.0	157