

Barbara Prinari

List of Publications by Year in descending order

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papers

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all docs

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34
times ranked

219
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse scattering transform for the complex coupled short-pulse equation. <i>Studies in Applied Mathematics</i> , 2022, 148, 918-963.	1.1	11
2	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -star models, mean-field random networks, and the heat hierarchy. <i>Physical Review E</i> , 2022, 105, 014306.	0.8	2
3	Solitons and soliton interactions in repulsive spinor Bose-Einstein condensates with nonzero background. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	4
4	Multiscale expansions a vector solitons of a two-dimensional nonlocal nonlinear Schrödinger system. <i>Studies in Applied Mathematics</i> , 2020, 145, 739-764.	1.1	5
5	Soliton interactions in certain square matrix nonlinear Schrödinger systems. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	8
6	Inverse scattering transform for the complex short-pulse equation by a Riemann-Hilbert approach. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	18
7	Inverse scattering transform for the defocusing Ablowitz-Ladik system with arbitrarily large nonzero background. <i>Studies in Applied Mathematics</i> , 2019, 143, 373-403.	1.1	15
8	Inverse Scattering Transform and Solitons for Square Matrix Nonlinear Schrödinger Equations with Mixed Sign Reductions and Nonzero Boundary Conditions. <i>Journal of Nonlinear Mathematical Physics</i> , 2019, 27, 130.	0.8	7
9	A dynamical systems approach to triadic reciprocal determinism of social cognitive theory. <i>Mathematics and Computers in Simulation</i> , 2019, 159, 18-38.	2.4	16
10	Solitons and rogue waves in spinor Bose-Einstein condensates. <i>Physical Review E</i> , 2018, 97, 022221.	0.8	28
11	Inverse scattering transform and soliton solutions for square matrix nonlinear Schrödinger equations with non-zero boundary conditions. <i>Physica D: Nonlinear Phenomena</i> , 2018, 368, 22-49.	1.3	37
12	Inverse Scattering Transform and Solitons for Square Matrix Nonlinear Schrödinger Equations. <i>Studies in Applied Mathematics</i> , 2018, 141, 308-352.	1.1	17
13	Discrete solitons of the focusing Ablowitz-Ladik equation with nonzero boundary conditions via inverse scattering. <i>Journal of Mathematical Physics</i> , 2016, 57, .	0.5	22
14	Inverse scattering transform for the defocusing nonlinear Schrödinger equation with fully asymmetric non-zero boundary conditions. <i>Physica D: Nonlinear Phenomena</i> , 2016, 333, 117-136.	1.3	38
15	The Three-Component Defocusing Nonlinear Schrödinger Equation with Nonzero Boundary Conditions. <i>Communications in Mathematical Physics</i> , 2016, 348, 475-533.	1.0	46
16	Inverse Scattering Transform for the Focusing Ablowitz-Ladik System with Nonzero Boundary Conditions. <i>Studies in Applied Mathematics</i> , 2016, 137, 28-52.	1.1	18
17	Polarization interactions in multi-component defocusing media. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 395202.	0.7	10
18	An artificial neural network approach for modeling the ward atmosphere in a medical unit. <i>Mathematics and Computers in Simulation</i> , 2015, 116, 44-58.	2.4	2

#	ARTICLE	IF	CITATIONS
19	Dark-bright soliton solutions with nontrivial polarization interactions for the three-component defocusing nonlinear Schrödinger equation with nonzero boundary conditions. <i>Journal of Mathematical Physics</i> , 2015, 56, .	0.5	32
20	The inverse scattering transform for the focusing nonlinear Schrödinger equation with asymmetric boundary conditions. <i>Journal of Mathematical Physics</i> , 2014, 55, 101505.	0.5	47
21	On the Spectrum of the Dirac Operator and the Existence of Discrete Eigenvalues for the Defocusing Nonlinear Schrödinger Equation. <i>Studies in Applied Mathematics</i> , 2014, 132, 138-159.	1.1	29
22	Dark“dark and dark“bright soliton interactions in the two-component defocusing nonlinear Schrödinger equation. <i>Applicable Analysis</i> , 2013, 92, 379-397.	0.6	18
23	The Inverse Scattering Transform for the Defocusing Nonlinear Schrödinger Equations with Nonzero Boundary Conditions. <i>Studies in Applied Mathematics</i> , 2013, 131, 1-40.	1.1	75
24	Inverse Scattering Transform for the Multi-Component Nonlinear Schrödinger Equation with Nonzero Boundary Conditions. <i>Studies in Applied Mathematics</i> , 2011, 126, 245-302.	1.1	48
25	Mathematical modeling of quality in a medical structure: A case study. <i>Mathematical and Computer Modelling</i> , 2011, 54, 2087-2103.	2.0	1
26	Analysing quality with generalized kinetic methods. <i>Mathematical and Computer Modelling</i> , 2008, 47, 1150-1166.	2.0	4
27	Determinant and Pfaffian solutions of the strong coupling limit of integrable discrete NLS systems. <i>Inverse Problems</i> , 2008, 24, 055011.	1.0	3
28	Inverse scattering transform for the integrable discrete nonlinear Schrödinger equation with nonvanishing boundary conditions. <i>Inverse Problems</i> , 2007, 23, 1711-1758.	1.0	76
29	Inverse scattering transform for the vector nonlinear Schrödinger equation with nonvanishing boundary conditions. <i>Journal of Mathematical Physics</i> , 2006, 47, 063508.	0.5	121
30	Discrete Vector Solitons: Composite Solitons, Yang-Baxter Maps and Computation. <i>Studies in Applied Mathematics</i> , 2006, 116, 97-133.	1.1	14
31	Solvability of the Direct and Inverse Problems for the Nonlinear Schrödinger Equation. <i>Acta Applicandae Mathematicae</i> , 2005, 87, 245-280.	0.5	11
32	Extended resolvent and inverse scattering with an application to KPI. <i>Journal of Mathematical Physics</i> , 2003, 44, 3309-3340.	0.5	14
33	Inverse scattering theory of the heat equation for a perturbed one-soliton potential. <i>Journal of Mathematical Physics</i> , 2002, 43, 1044-1062.	0.5	25
34	Inverse scattering transform for the perturbed 1-soliton potential of the heat equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 285, 307-311.	0.9	10