

Antonio Moro

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

191
citations

1162889

8
h-index

1125617

13
g-index

24
all docs

24
docs citations

24
times ranked

108
citing authors

#	ARTICLE	IF	CITATIONS
1	On Critical Behaviour in Systems of Hamiltonian Partial Differential Equations. <i>Journal of Nonlinear Science</i> , 2015, 25, 631-707.	1.0	24
2	Mechanism of wave breaking from a vacuum point in the defocusing nonlinear Schrödinger equation. <i>Physical Review E</i> , 2014, 89, 023202.	0.8	17
3	Shock dynamics of phase diagrams. <i>Annals of Physics</i> , 2014, 343, 49-60.	1.0	16
4	Thermodynamic phase transitions and shock singularities. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012, 468, 701-719.	1.0	14
5	On quantum and relativistic mechanical analogues in mean-field spin models. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014, 470, 20140589.	1.0	13
6	Exact solution of the van der Waals model in the critical region. <i>Annals of Physics</i> , 2015, 359, 290-299.	1.0	13
7	Complete integrability of information processing by biochemical reactions. <i>Scientific Reports</i> , 2016, 6, 36314.	1.6	13
8	Geometrical optics in nonlinear media and integrable equations. <i>Journal of Physics A</i> , 2004, 37, L105-L111.	1.6	11
9	Integrable extended van der Waals model. <i>Physica D: Nonlinear Phenomena</i> , 2016, 333, 293-300.	1.3	9
10	Integrable viscous conservation laws. <i>Nonlinearity</i> , 2015, 28, 1859-1895.	0.6	8
11	Overcoming dispersive spreading of quantum wave packets via periodic nonlinear kicking. <i>Physical Review A</i> , 2018, 98, .	1.0	8
12	Integrability, exact reductions and special solutions of the KP–Whitham equations. <i>Nonlinearity</i> , 2020, 33, 4114-4132.	0.6	8
13	On integrable conservation laws. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015, 471, 20140124.	1.0	6
14	Exact equations of state for nematics. <i>Annals of Physics</i> , 2018, 396, 386-396.	1.0	6
15	Exact analysis of phase transitions in mean-field Potts models. <i>Physical Review E</i> , 2019, 100, 022103.	0.8	5
16	Thermodynamic limit and dispersive regularization in matrix models. <i>Physical Review E</i> , 2020, 101, 052118.	0.8	4
17	Cluster percolation and chiral phase transition. <i>Physical Review D</i> , 2002, 66, .	1.6	3
18	Symmetric matrix ensemble and integrable hydrodynamic chains. <i>Letters in Mathematical Physics</i> , 2021, 111, 1.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Adaptive optimization of wave functions for fermion lattice models. Physical Review D, 2001, 64, .	1.6	2
20	Quasi-classical -dressing approach to the weakly dispersive KP hierarchy. Journal of Physics A, 2003, 36, 11837-11851.	1.6	2
21	Paraxial light in a Cole-Cole nonlocal medium: integrable regimes and singularities. , 2005, , .		2
22	Symmetries and criticality of generalised van der Waals models. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 405701.	0.7	2
23	$\langle \text{star models, mean-field random networks, and the heat hierarchy. Physical Review E, 2022, 105, 014306.} \rangle$	0.8	2
24	Hodographic vortices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3021-3023.	0.9	0