

Antonio Moro

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

142
citations

8
h-index

10
g-index

24
ext. papers

164
ext. citations

2.7
avg, IF

3.23
L-index

#	Paper	IF	Citations
24	On Critical Behaviour in Systems of Hamiltonian Partial Differential Equations. <i>Journal of Nonlinear Science</i> , 2015 , 25, 631-707	2.8	21
23	Mechanism of wave breaking from a vacuum point in the defocusing nonlinear Schrödinger equation. <i>Physical Review E</i> , 2014 , 89, 023202	2.4	16
22	Shock dynamics of phase diagrams. <i>Annals of Physics</i> , 2014 , 343, 49-60	2.5	12
21	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	2.4	11
20	Thermodynamic phase transitions and shock singularities. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012 , 468, 701-719	2.4	11
19	Exact solution of the van der Waals model in the critical region. <i>Annals of Physics</i> , 2015 , 359, 290-299	2.5	10
18	Complete integrability of information processing by biochemical reactions. <i>Scientific Reports</i> , 2016 , 6, 36314	4.9	10
17	Geometrical optics in nonlinear media and integrable equations. <i>Journal of Physics A</i> , 2004 , 37, L105-L111		8
16	Integrable viscous conservation laws. <i>Nonlinearity</i> , 2015 , 28, 1859-1895	1.7	7
15	On integrable conservation laws. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015 , 471, 20140124	2.4	6
14	Integrable extended van der Waals model. <i>Physica D: Nonlinear Phenomena</i> , 2016 , 333, 293-300	3.3	5
13	Overcoming dispersive spreading of quantum wave packets via periodic nonlinear kicking. <i>Physical Review A</i> , 2018 , 98,	2.6	4
12	Thermodynamic limit and dispersive regularization in matrix models. <i>Physical Review E</i> , 2020 , 101, 052118	2.4	3
11	Exact equations of state for nematics. <i>Annals of Physics</i> , 2018 , 396, 386-396	2.5	3
10	Exact analysis of phase transitions in mean-field Potts models. <i>Physical Review E</i> , 2019 , 100, 022103	2.4	3
9	Cluster percolation and chiral phase transition. <i>Physical Review D</i> , 2002 , 66,	4.9	3
8	Quasi-classical -dressing approach to the weakly dispersive KP hierarchy. <i>Journal of Physics A</i> , 2003 , 36, 11837-11851		2

- 7 Adaptive optimization of wave functions for fermion lattice models. *Physical Review D*, **2001**, 64, 4.9 2
- 6 Integrability, exact reductions and special solutions of the KP-Whitham equations. *Nonlinearity*, **2020**, 33, 4114-4132 1.7 2
- 5 Symmetric matrix ensemble and integrable hydrodynamic chains. *Letters in Mathematical Physics*, **2021**, 111, 1 1.2 2
- 4 Paraxial light in a Cole-Cole nonlocal medium: integrable regimes and singularities **2005**, 1
- 3 p-star models, mean-field random networks, and the heat hierarchy.. *Physical Review E*, **2022**, 105, 014306 0.6 0
- 2 Hodographic vortices. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 3021-3023 3.0 2
- 1 Symmetries and criticality of generalised van der Waals models. *Journal of Physics A: Mathematical and Theoretical*, **2021**, 54, 405701 2