

# Antonio Moro

## List of Publications by Year in Descending Order

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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	p-star models, mean-field random networks, and the heat hierarchy.. <i>Physical Review E</i> , <b>2022</b> , 105, 0143064	2.4	0
23	Symmetric matrix ensemble and integrable hydrodynamic chains. <i>Letters in Mathematical Physics</i> , <b>2021</b> , 111, 1	1.2	2
22	Symmetries and criticality of generalised van der Waals models. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2021</b> , 54, 405701	2	
21	Thermodynamic limit and dispersive regularization in matrix models. <i>Physical Review E</i> , <b>2020</b> , 101, 0521184	2.4	3
20	Integrability, exact reductions and special solutions of the KP-Whitham equations. <i>Nonlinearity</i> , <b>2020</b> , 33, 4114-4132	1.7	2
19	Exact analysis of phase transitions in mean-field Potts models. <i>Physical Review E</i> , <b>2019</b> , 100, 022103	2.4	3
18	Overcoming dispersive spreading of quantum wave packets via periodic nonlinear kicking. <i>Physical Review A</i> , <b>2018</b> , 98,	2.6	4
17	Exact equations of state for nematics. <i>Annals of Physics</i> , <b>2018</b> , 396, 386-396	2.5	3
16	Integrable extended van der Waals model. <i>Physica D: Nonlinear Phenomena</i> , <b>2016</b> , 333, 293-300	3.3	5
15	Complete integrability of information processing by biochemical reactions. <i>Scientific Reports</i> , <b>2016</b> , 6, 36314	4.9	10
14	On Critical Behaviour in Systems of Hamiltonian Partial Differential Equations. <i>Journal of Nonlinear Science</i> , <b>2015</b> , 25, 631-707	2.8	21
13	Integrable viscous conservation laws. <i>Nonlinearity</i> , <b>2015</b> , 28, 1859-1895	1.7	7
12	On integrable conservation laws. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2015</b> , 471, 20140124	2.4	6
11	Exact solution of the van der Waals model in the critical region. <i>Annals of Physics</i> , <b>2015</b> , 359, 290-299	2.5	10
10	Mechanism of wave breaking from a vacuum point in the defocusing nonlinear Schrödinger equation. <i>Physical Review E</i> , <b>2014</b> , 89, 023202	2.4	16
9	Shock dynamics of phase diagrams. <i>Annals of Physics</i> , <b>2014</b> , 343, 49-60	2.5	12
8	On quantum and relativistic mechanical analogues in mean-field spin models. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2014</b> , 470, 20140589	2.4	11

- 7 Thermodynamic phase transitions and shock singularities. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2012**, 468, 701-719 2.4 11
- 6 Hodographic vortices. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 3021-3023
- 5 Paraxial light in a Cole-Cole nonlocal medium: integrable regimes and singularities **2005**, 1
- 4 Geometrical optics in nonlinear media and integrable equations. *Journal of Physics A*, **2004**, 37, L105-L111 8
- 3 Quasi-classical -dressing approach to the weakly dispersive KP hierarchy. *Journal of Physics A*, **2003**, 36, 11837-11851 2
- 2 Cluster percolation and chiral phase transition. *Physical Review D*, **2002**, 66, 4.9 3
- 1 Adaptive optimization of wave functions for fermion lattice models. *Physical Review D*, **2001**, 64, 4.9 2