

# Maurizio Rossi

## List of Publications by Year in descending order

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25  
papers

482  
citations

687363

13  
h-index

677142

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Density functional theory of a trapped Bose gas with tunable scattering length: From weak-coupling to unitarity. European Physical Journal: Special Topics, 2015, 224, 565-569.	2.6	1
2	Quenched Dynamics of the Momentum Distribution of the Unitary Bose Gas. Few-Body Systems, 2015, 56, 801-807.	1.5	10
3	Quantum Monte Carlo study of a vortex in superfluid $^4\text{He}$ and search for a vortex state in the solid. Physical Review B, 2014, 89, .	3.2	15
4	Monte Carlo simulations of the unitary Bose gas. Physical Review A, 2014, 89, .	2.5	31
5	Path-integral ground state and superfluid hydrodynamics of a bosonic gas of hard spheres. Physical Review A, 2013, 88, .	2.5	21
6	Supersolid structure and excitation spectrum of soft-core bosons in three dimensions. Physical Review A, 2013, 88, .	2.5	28
7	Microscopic characterization of overpressurized superfluid $^4\text{He}$ . Physical Review B, 2012, 85, .	3.2	27
8	Slip effects at the vapor-liquid boundary. AIP Conference Proceedings, 2012, , .	0.4	4
9	Quantized vortices in two dimensional solid $^4\text{He}$ . Journal of Physics: Conference Series, 2012, 400, 012063.	0.4	2
10	A non-perturbative approach to freezing of superfluid $^4\text{He}$ in density functional theory. Journal of Physics: Conference Series, 2012, 400, 012050.	0.4	2
11	Study of Solid $^4\text{He}$ in Two Dimensions. Journal of Low Temperature Physics, 2012, 168, 235-250.	1.4	3
12	Long-range correlations in quantum solids. Molecular Physics, 2011, 109, 2855-2862.	1.7	4
13	Off-diagonal long-range order studied in a soft-core solid: Two-dimensional screened Coulomb bosons. Physical Review B, 2011, 84, .	3.2	6
14	<i>Ab initio</i> low-energy dynamics of superfluid and solid $^4\text{He}$ . Physical Review B, 2010, 82, .	3.2	81
15	Quantum dislocations: the fate of multiple vacancies in two-dimensional solid $^4\text{He}$ . Journal of Physics Condensed Matter, 2010, 22, 145401.	1.8	11
16	Exact ground state Monte Carlo method for Bosons without importance sampling. Journal of Chemical Physics, 2009, 131, 154108.	3.0	54
17	Zero-temperature study of vacancies in solid $^4\text{He}$ . Journal of Physics: Conference Series, 2009, 150, 032090.	0.4	6
18	Zero-Point Vacancies in Quantum Solids. Journal of Low Temperature Physics, 2008, 153, 250-265.	1.4	14

#	ARTICLE	IF	CITATIONS
19	Path-integral ground-state Monte Carlo study of two-dimensional solid $^4\text{He}$ . Physical Review B, 2008, 77, .	3.2	25
20	Pressurized $^4\text{He}$ in Cylindrical and in Hexagonal Pores. Journal of Low Temperature Physics, 2007, 146, 95-114.	1.4	17
21	BOSE-EINSTEIN CONDENSATION IN BULK AND CONFINED SOLID HELIUM. International Journal of Modern Physics B, 2006, 20, 5081-5092.	2.0	1
22	BOSE-EINSTEIN CONDENSATION IN BULK AND CONFINED SOLID HELIUM. , 2006, , .		0
23	Bose-Einstein condensation in solid $^4\text{He}$ . Physical Review B, 2005, 71, .	3.2	40
24	Layer by layer solidification of $^4\text{He}$ in narrow porous media. Physical Review B, 2005, 72, .	3.2	28
25	Alkali and alkali-earth ions in $^4\text{He}$ systems. Physical Review B, 2004, 69, .	3.2	51