Asaad R Sakhel

List of Publications by Year
in descending order

25	159	1163117 8	1199594 12
papers	citations	h-index	g-index

25	25	25	76
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization of the energy level-structure of a trapped dipolar Bose gas via mean-field parametric resonances. Physica Scripta, 2021, 96, 115401.	2.5	1
2	Effect of trapping geometry on the parametric resonances in a disordered Boseâ€“Einstein condensate driven by an oscillating potential. Journal of Physics Condensed Matter, 2020, 32, 315401.	1.8	3
3	On the Role of Trap Anharmonicity in the Dynamics of a One-Dimensional Bose Gas Suddenly Released from a Power-Law Trap into a Box Potential. Journal of Low Temperature Physics, 2019, 194, 106-135.	1.4	4
4	Elements of Dynamics of a One-Dimensional Trapped Boseâ€“Einstein Condensate Excited by a Time-Dependent Dimple: A Lagrangian Variational Approach. Journal of Low Temperature Physics, 2018, 190, 120-140.	1.4	4
5	Application of the Lagrangian variational method to a one-dimensional Bose gas in a dimple trap. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 105301.	1.5	7
6	Long-time averaged dynamics of a Boseâ€“Einstein condensate in a bichromatic optical lattice with external harmonic confinement. Physica B: Condensed Matter, 2016, 493, 72-80.	2.7	5
7	Properties of bosons in a one-dimensional bichromatic optical lattice in the regime of the pinning transition: A worm-algorithm Monte Carlo study. Physical Review A, 2016, 94, .	2.5	1
8	Conditions for order and chaos in the dynamics of a trapped Bose-Einstein condensate in coordinate and energy space. European Physical Journal D, 2016, 70, 1.	1.3	8
9	Elements of Vortex-Dipole Dynamics in a Nonuniform Boseâ€“Einstein Condensate. Journal of Low Temperature Physics, 2016, 184, 1092-1113.	1.4	6
10	On the phase-correlation and phase-fluctuation dynamics of a strongly excited Bose gas. Physica B: Condensed Matter, 2015, 478, 68-76.	2.7	6
11	On the harmonic oscillator wavefunction modified to account for variations in the width of a trapped Bose gas. Physica B: Condensed Matter, 2015, 462, 40-46.	2.7	0
12	On the range of validity of the static fluctuation approximation (SFA) in the description of a 1D trapped Bose gas. Physica B: Condensed Matter, 2013, 425, 105-111.	2.7	2
13	Nonequilibrium Dynamics of a Bose-Einstein Condensate Excited by a Red Laser Inside a Power-Law Trap with Hard Walls. Journal of Low Temperature Physics, 2013, 173, 177-206.	1.4	14
14	Effectiveness of the statistical potential in the description of fermions in a worm-algorithm path-integral Monte Carlo simulation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>3</mml:mn></mml:msup></mml:math>He atoms placed on a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>4</mml:mn></mml:msup></mml:math>He layer adsorbed on graphite. Physical Review E, 20[illegible]	2.1	3
15	WORM ALGORITHM PATH INTEGRAL MONTE CARLO APPLIED TO THE ³Heâ€“⁴He II SANDWICH SYSTEM. International Journal of Modern Physics B, 2012, 26, 1250173.	2.0	1
16	Global and local condensate and superfluid fractions of a few hard core bosons in a combined harmonic optical cubic lattice in continuous space. European Physical Journal D, 2012, 66, 1.	1.3	2
17	Generalized Boseâ€“Einstein Condensation. Journal of Low Temperature Physics, 2012, 166, 125-150.	1.4	17
18	Self-interfering matter-wave patterns generated by a moving laser obstacle in a two-dimensional Bose-Einstein condensate inside a power trap cut off by box potential boundaries. Physical Review A, 2011, 84, .	2.5	13

#	Article	IF	Citations
19	Application of the static fluctuation approximation to the computation of the thermodynamic properties of an interacting trapped two-dimensional hard-sphere Bose gas. Physical Review A, 2010, 82, .	2.5	10
20	Tunneling of a few strongly repulsive hard-sphere bosons in an optical lattice with tight external harmonic confinement: A quantum Monte Carlo investigation in continuous space. Physical Review A, 2010, 81, .	2.5	2
21	THERMODYNAMIC PROPERTIES OF AN INTERACTING HARD-SPHERE BOSE GAS IN A TRAP USING THE STATIC FLUCTUATION APPROXIMATION. International Journal of Modern Physics B, 2010, 24, 4779-4809.	2.0	7
22	Condensate depletion in two-species Bose gases: A variational quantum Monte Carlo study. Physical Review A, 2008, 77, .	2.5	14
23	Gross-Pitaevski equation and resonances in Bose-Einstein condensates. Europhysics Letters, 2005, 69, 920-923.	2.0	0
24	Excitations and Bose-Einstein condensation in liquidHe4. Physical Review B, 2004, 70, .	3.2	8
25	High-resolution measurements of excitations in superfluid4He beyond the roton. Journal of Physics Condensed Matter, 2001, 13, 4421-4434.	1.8	21