

Ayan Khan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

93
citations

1478505

6
h-index

1588992

8
g-index

23
all docs

23
docs citations

23
times ranked

60
citing authors

#	ARTICLE	IF	CITATIONS
1	Signature of supersolidity in a driven cubic-quartic nonlinear Schrödinger equation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 025301.	1.5	2
2	Droplet-soliton crossover mediated via trap modulation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 439, 128137.	2.1	7
3	Investigation of Quantum Droplets: An Analytical Approach. Annalen Der Physik, 2021, 533, 2000549.	2.4	7
4	On solving cubic-quartic nonlinear Schrödinger equation in a cnoidal trap. European Physical Journal D, 2020, 74, 1.	1.3	9
5	Formation of solitonic bound state via light-matter interaction. European Physical Journal D, 2020, 74, 1.	1.3	2
6	Effect of weak disorder on the BCS-BEC crossover in a two-dimensional Fermi gas. International Journal of Modern Physics B, 2017, 31, 1750066.	2.0	0
7	Emerging novel phases of Bose-Einstein Condensate for various topology. Journal of Physics: Conference Series, 2017, 875, 082009.	0.4	0
8	Realization of negative mass regime and bound state of solitons in inhomogeneous Bose-Einstein condensates. European Physical Journal D, 2016, 70, 1.	1.3	4
9	Tunneling dynamics of correlated bosons in a double well potential. European Physical Journal B, 2015, 88, 1.	1.5	9
10	Investigating dirty crossover through fidelity susceptibility and density of states. International Journal of Modern Physics B, 2014, 28, 1450083.	2.0	1
11	Disorder Induced BCS-BEC Crossover in an Ultracold Fermi Gas. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1891-1895.	1.8	2
12	Understanding the Bose glass phase via a percolation scenario. European Physical Journal B, 2013, 86, 1.	1.5	7
13	Electron pairing and evidence of a BCS-BEC crossover in d-wave superconductors. Physica B: Condensed Matter, 2013, 410, 99-104.	2.7	1
14	Bell solitons in ultra-cold atomic Fermi gas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 115302.	1.5	7
15	Effect of disorder in BCS-BEC crossover. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 135302.	1.5	4
16	DISORDER INDUCED BCS-BEC CROSSOVER. International Journal of Modern Physics Conference Series, 2012, 11, 120-126.	0.7	4
17	A COMPARISON OF HARMONIC CONFINEMENT AND DISORDER IN INDUCING LOCALIZATION EFFECTS IN A SUPERCONDUCTOR. International Journal of Modern Physics Conference Series, 2012, 11, 127-132.	0.7	1
18	DISORDER INDUCED BCS-BEC CROSSOVER. , 2012, , .		0

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19	A COMPARISON OF HARMONIC CONFINEMENT AND DISORDER IN INDUCING LOCALIZATION EFFECTS IN A SUPERCONDUCTOR. , 2012, , .		0
20	Participation ratio and fidelity analyses as tools to study BCS-BEC crossover. European Physical Journal B, 2011, 81, 95-102.	1.5	5
21	Ground-state fidelity in the BCS-BEC crossover. Physical Review A, 2009, 80, .	2.5	16
22	Quantum Droplet in Lower Dimensions. Frontiers in Physics, 0, 10, .	2.1	5