

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 | Ground-state fidelity in the BCS-BEC crossover. <i>Physical Review A</i> , 2009, 80, . | 2.5 | 16 |
| 2 | Tunneling dynamics of correlated bosons in a double well potential. <i>European Physical Journal B</i> , 2015, 88, 1. | 1.5 | 9 |
| 3 | On solving cubic-quartic nonlinear Schrödinger equation in a cnoidal trap. <i>European Physical Journal D</i> , 2020, 74, 1. | 1.3 | 9 |
| 4 | Understanding the Bose glass phase via a percolation scenario. <i>European Physical Journal B</i> , 2013, 86, 1. | 1.5 | 7 |
| 5 | Bell solitons in ultra-cold atomic Fermi gas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 115302. | 1.5 | 7 |
| 6 | Investigation of Quantum Droplets: An Analytical Approach. <i>Annalen Der Physik</i> , 2021, 533, 2000549. | 2.4 | 7 |
| 7 | Dropleton-soliton crossover mediated via trap modulation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 439, 128137. | 2.1 | 7 |
| 8 | Participation ratio and fidelity analyses as tools to study BCS-BEC crossover. <i>European Physical Journal B</i> , 2011, 81, 95-102. | 1.5 | 5 |
| 9 | Quantum Droplet in Lower Dimensions. <i>Frontiers in Physics</i> , 0, 10, . | 2.1 | 5 |
| 10 | Effect of disorder in BCS-BEC crossover. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 135302. | 1.5 | 4 |
| 11 | DISORDER INDUCED BCS-BEC CROSSOVER. <i>International Journal of Modern Physics Conference Series</i> , 2012, 11, 120-126. | 0.7 | 4 |
| 12 | Realization of negative mass regime and bound state of solitons in inhomogeneous Bose-Einstein condensates. <i>European Physical Journal D</i> , 2016, 70, 1. | 1.3 | 4 |
| 13 | Disorder Induced BCS-BEC Crossover in an Ultracold Fermi Gas. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1891-1895. | 1.8 | 2 |
| 14 | Formation of solitonic bound state via light-matter interaction. <i>European Physical Journal D</i> , 2020, 74, 1. | 1.3 | 2 |
| 15 | Signature of supersolidity in a driven cubic-quartic nonlinear Schrödinger equation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2022, 55, 025301. | 1.5 | 2 |
| 16 | A COMPARISON OF HARMONIC CONFINEMENT AND DISORDER IN INDUCING LOCALIZATION EFFECTS IN A SUPERCONDUCTOR. <i>International Journal of Modern Physics Conference Series</i> , 2012, 11, 127-132. | 0.7 | 1 |
| 17 | Electron pairing and evidence of a BCS-BEC crossover in d-wave superconductors. <i>Physica B: Condensed Matter</i> , 2013, 410, 99-104. | 2.7 | 1 |
| 18 | Investigating dirty crossover through fidelity susceptibility and density of states. <i>International Journal of Modern Physics B</i> , 2014, 28, 1450083. | 2.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Effect of weak disorder on the BCSâ€“BEC crossover in a two-dimensional Fermi gas. International Journal of Modern Physics B, 2017, 31, 1750066. | 2.0 | 0 |
| 20 | Emerging novel phases of Bose-Einstein Condensate for various topology. Journal of Physics: Conference Series, 2017, 875, 082009. | 0.4 | 0 |
| 21 | DISORDER INDUCED BCS-BEC CROSSOVER. , 2012, , . | | 0 |
| 22 | A COMPARISON OF HARMONIC CONFINEMENT AND DISORDER IN INDUCING LOCALIZATION EFFECTS IN A SUPERCONDUCTOR. , 2012, , . | | 0 |