

Theja N De Silva

List of Publications by Year in descending order

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papers

173
citations

1478505

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1125743

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g-index

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all docs

21
docs citations

21
times ranked

156
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Tension in Unitary Fermi Gases with Population Imbalance. <i>Physical Review Letters</i> , 2006, 97, 070402.	7.8	80
2	Theory of the normal-superfluid interface in population-imbalanced Fermi gases. <i>Physical Review A</i> , 2009, 79, .	2.5	21
3	Collective oscillations of a Fermi gas near a Feshbach resonance. <i>Physical Review A</i> , 2005, 72, .	2.5	16
4	Compressibility and entropy of cold fermions in one-dimensional optical lattices. <i>Physical Review A</i> , 2011, 83, .	2.5	9
5	Three-component fermion pairing in two dimensions. <i>Physical Review A</i> , 2009, 80, .	2.5	8
6	Phase diagram of two-component dipolar fermions in one-dimensional optical lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 871-877.	2.1	8
7	Breathing mode frequencies of a rotating Fermi gas in the BCS-BEC crossover region. <i>Physical Review A</i> , 2008, 78, .	2.5	5
8	Fermionic superfluid properties in a one-dimensional optical lattice. <i>Physical Review A</i> , 2009, 79, .	2.5	5
9	Population imbalanced Fermi gases in quasi two dimensions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 165301.	1.5	5
10	An effective mean field theory for the coexistence of anti-ferromagnetism and superconductivity: Applications to iron-based superconductors and cold Bose-Fermi atomic mixtures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 3421-3429.	2.1	3
11	Theoretical phase diagram of unconventional alkali-doped fullerides. <i>Physical Review B</i> , 2019, 100, .	3.2	3
12	Tan-1/4s universal contact and collective oscillations of strongly interacting Fermi gases. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 2298-2305.	2.1	2
13	Spin diffusion of lattice fermions in one dimension. <i>Physical Review A</i> , 2012, 86, .	2.5	2
14	Thermodynamic properties of universal Fermi gases. <i>Physical Review A</i> , 2013, 87, .	2.5	2
15	Dynamically generated dimension reduction and crossover in a spin-orbital model. <i>Physical Review B</i> , 2004, 70, .	3.2	1
16	Evidence for the breakdown of momentum independent many-body t-matrix approximation in the normal phase of bosons. <i>Frontiers in Physics</i> , 2014, 2, .	2.1	1
17	Polarization-induced phase separation and re-entrant transition of two-component fermions in a one-dimensional lattice. <i>Physical Review A</i> , 2015, 91, .	2.5	1
18	An effective series expansion to the equation of state of unitary Fermi gases. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 225301.	1.5	1

#	ARTICLE	IF	CITATIONS
19	Phase diagram of strongly attractive p -orbital fermions on optical lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2715-2722.	2.1	0
20	Massive electrons and unconventional room-temperature superconductivity in superhydrides. Physical Review B, 2021, 104, .	3.2	0
21	Asymptotic behavior of correlation functions of one-dimensional polar-molecules on optical lattices. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 235302.	1.5	0