

Heron C G Caldas

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	The Gor'kov and Melik̅Barkhudarov Correction to an Imbalanced Fermi Gas in the Presence of Impurities. <i>Annalen Der Physik</i> , 2022, 534, .	2.4	1
2	Effective fermion mass in relativistic and non-relativistic systems. <i>New Journal of Physics</i> , 2021, 23, 063019.	2.9	0
3	Non-perturbative corrections to the quasiparticle velocity in graphene. <i>Physica B: Condensed Matter</i> , 2020, 577, 411814.	2.7	2
4	The Gor'kov and Melik̅Barkhudarov Correction to the Mean̅Field Critical Field Transition to Fulde̅Ferrell̅Larkin̅Ovchinnikov States. <i>Annalen Der Physik</i> , 2020, 532, 2000222.	2.4	2
5	Effects of anisotropic correlations in fermionic zero-energy bound states of topological phases. <i>Physical Review B</i> , 2020, 101, .	3.2	4
6	Superfluid-normal quantum phase transitions in an imbalanced Fermi gas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 085301.	1.5	2
7	Leading order k_{F} corrections to the free energy and phase separation in two-component Fermion systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 103102.	2.3	1
8	Finite temperature phase diagrams of a two-band model of superconductivity. <i>Annals of Physics</i> , 2018, 394, 17-32.	2.8	5
9	A two-band model for p-wave superconductivity. <i>Annals of Physics</i> , 2017, 384, 211-224.	2.8	11
10	Induced p-wave superfluidity in imbalanced Fermi gases in a synthetic gauge field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 185301.	1.5	0
11	<small>induced p-wave superfluidity in imbalanced Fermi gases in a synthetic gauge field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i>, 2015, 48, 185301. xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x</small>	2.8	8
12	Topological transitions in multi-band superconductors. <i>Annals of Physics</i> , 2014, 348, 1-14.	2.8	11
13	Topological states in normal and superconducting p -wave chains. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 3340-3347.	2.1	14
14	Mechanism for enhancement of superconductivity in multi-band systems with odd parity hybridization. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P07015.	2.3	8
15	Renormalization group approach to a p-wave superconducting model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1561-1565.	2.1	12
16	Heavy mesons spectra in a semi-analytical quantum relativistic approach. , 2013, , .		0
17	Nesting and lifetime effects in the FFLO state of quasi-one-dimensional imbalanced Fermi gases. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 155301.	1.5	7
18	Influence of induced interactions on superfluid properties of quasi-two-dimensional dilute Fermi gases with spin-orbit coupling. <i>Physical Review A</i> , 2013, 88, .	2.5	7

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19	Finite-temperature phase diagram of quasi-two-dimensional imbalanced Fermi gases beyond mean field. <i>Physical Review A</i> , 2012, 86, .	2.5	14
20	Quantum normal-to-inhomogeneous superconductor phase transition in nearly two-dimensional metals. <i>Physical Review B</i> , 2012, 86, .	3.2	8
21	Superfluidity in two-dimensional imbalanced Fermi gases. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P10019.	2.3	13
22	An effective field theory model for one-dimensional CH chains: effects at finite chemical potential, temperature and external Zeeman magnetic field. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P10005.	2.3	9
23	Temperature effects on the magnetization of quasi-one-dimensional Peierls distorted materials. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P03027.	2.3	3
24	Magnetization of planar four-fermion systems. <i>Physical Review B</i> , 2009, 80, .	3.2	38
25	Asymmetrically doped one-dimensional trans-polymers. <i>Physica B: Condensed Matter</i> , 2009, 404, 3159-3162.	2.7	4
26	Asymmetrically doped polyacetylene. <i>Nuclear Physics B</i> , 2009, 807, 651-658.	2.5	19
27	Temperature effects in a Fermi gas with population imbalance. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008, 2008, P08013.	2.3	7
28	Critical dopant concentration in polyacetylene and phase diagram from a continuous four-Fermi model. <i>Physical Review B</i> , 2008, 77, .	3.2	29
29	Surface energy in cold asymmetrical fermion superfluids. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007, 2007, P11012-P11012.	2.3	11
30	Phase transition in asymmetrical superfluids: Equal Fermi surfaces. <i>Physical Review D</i> , 2005, 72, .	4.7	13
31	Neutral pion decay width in a hot and dense medium. <i>Physical Review C</i> , 2004, 69, .	2.9	6
32	Infrared behavior of the pressure $ng\tilde{3}$ _ theory reexamined. <i>Physical Review D</i> , 2004, 70, .	4.7	0
33	Cold asymmetrical fermion superfluids. <i>Physical Review A</i> , 2004, 69, .	2.5	104
34	Phase Separation in Asymmetrical Fermion Superfluids. <i>Physical Review Letters</i> , 2003, 91, 247002.	7.8	274