

# Vivaldo L Campo

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

699  
citations

759233

12  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

627  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extended DFT + $U$ + $V$ method with on-site and inter-site electronic interactions. Journal of Physics Condensed Matter, 2010, 22, 055602.	1.8	119
2	Alternative discretization in the numerical renormalization-group method. Physical Review B, 2005, 72, .	3.2	93
3	Bethe ansatz density-functional theory of ultracold repulsive fermions in one-dimensional optical lattices. Physical Review B, 2006, 73, .	3.2	81
4	Aharonov-Bohm Interference in Neutral Excitons: Effects of Built-In Electric Fields. Physical Review Letters, 2010, 104, 086401.	7.8	80
5	Density functionals and model Hamiltonians: Pillars of many-particle physics. Physics Reports, 2013, 528, 91-159.	25.6	77
6	Exciton Storage in a Nanoscale Aharonov-Bohm Ring with Electric Field Tuning. Physical Review Letters, 2009, 102, 096405.	7.8	53
7	Luther-Emery Phase and Atomic-Density Waves in a Trapped Fermion Gas. Physical Review Letters, 2007, 98, 030404.	7.8	47
8	Phase diagram of harmonically confined one-dimensional fermions with attractive and repulsive interactions. Physical Review A, 2005, 72, .	2.5	32
9	Majorana oscillations modulated by Fano interference and degree of nonlocality in a topological superconducting-nanowire quantum-dot system. Physical Review B, 2018, 98, .	3.2	32
10	Quantitative Determination of the Hubbard Model Phase Diagram from Optical Lattice Experiments by Two-Parameter Scaling. Physical Review Letters, 2007, 99, 240403.	7.8	16
11	Thermodynamics for the two-impurity Kondo model. Physical Review B, 2004, 70, .	3.2	14
12	Friedel oscillations in one-dimensional metals: From Luttinger's theorem to the Luttinger liquid. Journal of Magnetism and Magnetic Materials, 2008, 320, e418-e420.	2.3	13
13	Density-functional-theory approach to the thermodynamics of the harmonically confined one-dimensional Hubbard model. Physical Review A, 2015, 92, .	2.5	10
14	Electron in a tangled chain: Multifractality at the small-world critical point. Physical Review B, 2007, 75, .	3.2	7
15	Isolating Majorana fermions with finite Kitaev nanowires and temperature: Universality of the zero-bias conductance. Physical Review B, 2017, 96, .	3.2	7
16	Renormalization-group approach to the problem of conduction through a nanostructure. Physical Review B, 2003, 68, .	3.2	6
17	Thermal versus quantum fluctuations of optical-lattice fermions. Physical Review A, 2012, 85, .	2.5	6
18	Possible critical behavior driven by the confining potential in optical lattices with ultra-cold fermions. Physica B: Condensed Matter, 2009, 404, 3328-3331.	2.7	4

#	ARTICLE	IF	CITATIONS
19	Approximate expression for the ground-state energy of the two- and three-dimensional Hubbard model at arbitrary filling obtained from dimensional scaling. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 455601.	1.8	2