

Pedro Ds Sacramento

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6356103/publications.pdf>

Version: 2024-02-01

113
papers

1,730
citations

279701

23
h-index

330025

37
g-index

114
all docs

114
docs citations

114
times ranked

1047
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of topological phases by quasilocal operators. Physical Review B, 2019, 99, .	1.1	10
2	Edge and bulk localization of Floquet topological superconductors. Physical Review B, 2019, 99, .	1.1	17
3	Static and Dynamic Disorder in Topological Systems: Localized, Critical and Extended States. Acta Physica Polonica A, 2019, 135, 1180-1190.	0.2	1
4	Duality and topology. Annals of Physics, 2018, 391, 216-239.	1.0	3
5	Pseudoparticle approach to 1D integrable quantum models. Physics Reports, 2018, 749, 1-90.	10.3	14
6	$\langle mml:math \text{ Josephson currents in junctions of hybridized multiband superconductors. Physical Review B, 2017, 95, .} \rangle$	1.1	8
7	Dynamical localization and the effects of aperiodicity in Floquet systems. Physical Review B, 2017, 96, .	1.1	30
8	Exponents of the spectral functions and dynamical structure factor of the 1D Lieb–Liniger Bose gas. Annals of Physics, 2016, 369, 102-127.	1.0	7
9	Edge mode dynamics of quenched topological wires. Physical Review E, 2016, 93, 062117.	0.8	23
10	Strain-induced topological phase transition at zigzag edges of monolayer transition-metal dichalcogenides. Physical Review B, 2016, 94, .	1.1	15
11	Zero energy modes in a superconductor with ferromagnetic adatom chains and quantum phase transitions. Journal of Physics Condensed Matter, 2016, 28, 495703.	0.7	6
12	Reduced density matrix and order parameters of a topological insulator. Physical Review B, 2016, 94, .	1.1	19
13	Charge and spin edge currents in two-dimensional Floquet topological superconductors. Physical Review B, 2015, 91, .	1.1	22
14	Andreev spectroscopy of Majorana states in topological superconductors with multipocket Fermi surfaces. Europhysics Letters, 2015, 110, 37008.	0.7	6
15	Fermi points and topological quantum phase transitions in a multi-band superconductor. Journal of Physics Condensed Matter, 2015, 27, 422002.	0.7	4
16	Singularities of the dynamical structure factors of the spin-1/2 chain at finite magnetic field. Journal of Physics Condensed Matter, 2015, 27, 406001.	0.7	6
17	Magnetic chains on a triplet superconductor. Journal of Physics Condensed Matter, 2015, 27, 445702.	0.7	9
18	Effect of Majorana Fermions on Andreev Spectroscopy of Multiband Topological Superconductors. Acta Physica Polonica A, 2015, 128, 210-212.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Hall conductivity as bulk signature of topological transitions in superconductors. Europhysics Letters, 2014, 105, 37011.	0.7	12
20	Fate of Majorana fermions and Chern numbers after a quantum quench. Physical Review E, 2014, 90, 032138.	0.8	59
21	Entanglement entropy and entanglement spectrum of triplet topological superconductors. Journal of Physics Condensed Matter, 2014, 26, 425702.	0.7	11
22	Emergent nesting of the Fermi surface from local-moment description of iron-pnictide high-Tc superconductors. European Physical Journal B, 2014, 87, 1.	0.6	9
23	Entanglement modes and topological phase transitions in superconductors. Physical Review B, 2014, 89, .	1.1	18
24	Spinon and \hat{I} -spinon correlation functions of the Hubbard chain. European Physical Journal B, 2013, 86, 1.	0.6	3
25	Zero finite-temperature charge stiffness within the half-filled 1D Hubbard model. Annals of Physics, 2013, 339, 484-509.	1.0	16
26	Publisher's Note: Change of an insulator's topological properties by a Hubbard interaction [Phys. Rev. B87, 085109 (2013)]. Physical Review B, 2013, 87, .	1.1	1
27	Change of an insulator's topological properties by a Hubbard interaction. Physical Review B, 2013, 87, .	1.1	27
28	Anomalous Hall effect in superconductors with spin-orbit interaction. Physical Review B, 2012, 85, .	1.1	11
29	Charge dynamics in half-filled Hubbard chains with finite on-site interaction. Physical Review B, 2012, 85, .	1.1	27
30	Finite-energy spectral function of an anisotropic two-dimensional system of coupled Hubbard chains. Physical Review B, 2011, 84, .	1.1	8
31	U(1) slave-particle study of the finite-temperature doped Hubbard model in one and two dimensions. Annals of Physics, 2011, 326, 1189-1206.	1.0	2
32	Fidelity spectrum and phase transitions of quantum systems. Physical Review A, 2011, 84, .	1.0	13
33	Supercurrent-induced domain wall motion. Physical Review B, 2011, 83, .	1.1	7
34	Fermi surfaces of iron pnictide high- T_c superconductors from the limit of local magnetic moments. Physical Review B, 2011, 84, .		6
35	Enhancement of the critical temperature in iron pnictide superconductors by finite-size effects. Physical Review B, 2011, 84, .	1.1	13
36	Theory of Andreev reflection in a two-orbital model of iron-pnictide superconductors. Journal of Physics: Conference Series, 2010, 200, 012008.	0.3	3

#	ARTICLE	IF	CITATIONS
37	Spin torque on magnetic domain walls exerted by supercurrents. European Physical Journal B, 2010, 76, 251-259.	0.6	10
38	Superconductivity in the Anderson lattice: a finite- U slave boson description. Journal of Physics Condensed Matter, 2010, 22, 065702.	0.7	5
39	Correlated magnetic impurities in a superconductor: electron density profiles and robustness of superconductivity. Journal of Physics Condensed Matter, 2010, 22, 025701.	0.7	4
40	Application of the stereographic projection to studies of magnetization dynamics described by the Landau-Lifshitz-Gilbert equation. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 315211.	0.7	5
41	Single vortex structure in two models of iron pnictide s_{\pm} superconductivity. New Journal of Physics, 2009, 11, 113008.	1.2	12
42	Quantum waveguide theory of Andreev spectroscopy in multiband superconductors: The case of iron pnictides. Physical Review B, 2009, 79, .	1.1	38
43	Finite-temperature slave-boson description of the ferromagnetic instabilities of the Anderson lattice. Journal of Physics: Conference Series, 2009, 150, 042144.	0.3	2
44	Confinement of monopole field lines in a superconductor at $T=0$. Annals of Physics, 2008, 323, 337-355.	1.0	5
45	Fidelity between partial states as a signature of quantum phase transitions. Physical Review A, 2008, 77, .	1.0	71
46	Electron transmission in normal metal/heavy-fermion superconductor junctions: A two-band model. Physical Review B, 2008, 77, .	1.1	6
47	The TTF finite-energy spectral features in photoemission of TTF-TCNQ: the Hubbard-chain description. Journal of Physics Condensed Matter, 2008, 20, 022205.	0.7	7
48	CURRENT-INDUCED SPIN TORQUE ON A DOMAIN WALL IN A MAGNETIC NANOWIRE. International Journal of Modern Physics B, 2007, 21, 1659-1663.	1.0	4
49	Entanglement signatures of the quantum phase transition induced by a magnetic impurity in a superconductor. Physical Review B, 2007, 76, .	1.1	14
50	Magnetically induced superconducting correlations: Bogolyubov-de Gennes calculations of the gap profile in a superconductor with magnetic order. Physical Review B, 2007, 76, .	1.1	2
51	Spin transport and spin torque in a magnetic nanowire with a non-collinear magnetic order. Journal of Physics: Conference Series, 2007, 61, 105-109.	0.3	1
52	Magnetic impurities in a superconductor: Effect of domain walls and interference. Physical Review B, 2007, 76, .	1.1	11
53	Hidden truth behind .NET's exception handling today. IET Software, 2007, 1, 233.	1.5	6
54	Vorticity and magnetic shielding in a type-II superconductor. Journal of Physics Condensed Matter, 2006, 18, 8623-8650.	0.7	6

#	ARTICLE	IF	CITATIONS
55	Spin accumulation, spin currents, and torque, in the problem of motion of a sharp domain wall in magnetic nanowires. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 193-196.	0.7	0
56	The Hubbard model description of the TCNQ related singular features in photoemission of TTF-TCNQ. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 5191-5212.	0.7	19
57	Domain growth in the Heisenberg ferromagnet: Effective vector theory of the $S=1/2$ model. <i>Physical Review B</i> , 2006, 73, .	1.1	7
58	Effects of disorder on the vortex charge. <i>Physical Review B</i> , 2006, 73, .	1.1	4
59	Current-induced motion of a domain wall in a magnetic nanowire. <i>Physical Review B</i> , 2006, 74, .	1.1	27
60	Application of the pseudofermion dynamical theory to the properties of quasi-1D compounds. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 1427-1429.	1.3	0
61	Effect of impurities and random pinning on the superconducting vortex state. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 542-544.	1.3	0
62	Local density of states of a strongly type-II-d-wave superconductor: The binary alloy model in a magnetic field. <i>Physical Review B</i> , 2005, 71, .	1.1	5
63	New method for evaluation of finite-energy few-electron spectral function expressions. <i>European Physical Journal Special Topics</i> , 2004, 114, 45-49.	0.2	0
64	One- and two-electron spectral function expressions in the vicinity of the upper-Hubbard bands lower limit. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 1375-1399.	0.7	2
65	Interplay of disorder and magnetic field in the superconducting vortex state. <i>Physical Review B</i> , 2004, 69, .	1.1	9
66	Superconductivity driven by chain coupling and electronic correlations. <i>Europhysics Letters</i> , 2004, 68, 839-845.	0.7	9
67	One-electron singular branch lines of the Hubbard chain. <i>Europhysics Letters</i> , 2004, 67, 233-239.	0.7	30
68	Non-equilibrium properties of the Heisenberg model in a time-dependent magnetic field. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 327, 461-476.	1.2	3
69	Electronic structure of the quasi-one-dimensional organic conductor TTF-TCNQ. <i>Physical Review B</i> , 2003, 68, .	1.1	106
70	Finite-energy Landau liquid theory for the one-dimensional Hubbard model: Pseudoparticle energy bands and degree of localization/delocalization. <i>Physical Review B</i> , 2003, 68, .	1.1	24
71	Coexistence of antiferromagnetism and superconductivity in the Anderson lattice. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 6285-6300.	0.7	11
72	Local-electron superconductivity in an interacting conduction band. <i>Physical Review B</i> , 2002, 66, .	1.1	2

#	ARTICLE	IF	CITATIONS
73	Spin dynamics of the $S=1/2$ antiferromagnetic zig-zag ladder with anisotropy. Journal of Physics Condensed Matter, 2002, 14, 591-604.	0.7	3
74	Decoupling of the $S=1/2$ antiferromagnetic zig-zag ladder with anisotropy. Physical Review B, 2001, 63, .	1.1	7
75	Charge and spin transport in the one-dimensional Hubbard model. Journal of Physics Condensed Matter, 2001, 13, 5135-5157.	0.7	4
76	Local-moment formation in the periodic Anderson model with superconducting correlations. Physical Review B, 2001, 65, .	1.1	13
77	Specific heat of the periodic Anderson model: From weak to strong coupling. Physical Review B, 2001, 64, .	1.1	8
78	Finite-temperature transport in finite-size Hubbard rings in the strong-coupling limit. Physical Review B, 2000, 61, 5169-5183.	1.1	32
79	Superconductivity in the $SU(N)$ Anderson lattice at $U=\hat{\alpha}z$. Physical Review B, 2000, 62, 9800-9807.	1.1	15
80	Finite-Frequency Optical Absorption in 1D Conductors and Mott-Hubbard Insulators. Physical Review Letters, 2000, 84, 4673-4676.	2.9	26
81	Hall conductance of a pinned vortex lattice in a high magnetic field. Journal of Physics Condensed Matter, 1999, 11, 4861-4870.	0.7	3
82	Curvature of levels and charge stiffness of one-dimensional spinless fermions. Physical Review B, 1999, 59, 7382-7392.	1.1	26
83	Quasiparticle spectrum of a type-II superconductor in a high magnetic field with randomly pinned vortices. Physical Review B, 1999, 59, 8436-8439.	1.1	5
84	Lattice coherence versus incoherent metal in the lattice-channel Kondo model. Physical Review B, 1998, 58, 11119-11122.	1.1	1
85	Landau Levels and Quasiparticle Spectrum of Extreme Type-II Superconductors. Physical Review Letters, 1998, 80, 1521-1524.	2.9	28
86	Gapless spectrum in a class of exchange models with long-range interactions. Journal of Physics Condensed Matter, 1997, 9, 10687-10700.	0.7	3
87	Instabilities of the Hubbard chain in a magnetic field. Physical Review B, 1997, 55, 7565-7578.	1.1	15
88	Spin-density wave in Ising-coupled antiferromagnetic chains. Physical Review B, 1997, 56, 13685-13688.	1.1	1
89	Haldane gap in a $S=1$ exchange model with long-range interactions. Zeitschrift für Physik B-Condensed Matter, 1997, 101, 441-445.	1.1	3
90	Haldane gap in the $S=1$ Haldane-Shastry model. Zeitschrift für Physik B-Condensed Matter, 1996, 103, 231-233.	1.1	2

#	ARTICLE	IF	CITATIONS
91	Generalized Phase-Space Representatives of Spin-J Operators in Terms of Bloch Coherent States. Annals of Physics, 1995, 242, 188-231.	1.0	33
92	Some applications of the multichannel Kondo problem. Physica B: Condensed Matter, 1995, 206-207, 95-100.	1.3	7
93	Thermodynamics of the attractive Hubbard chain. Journal of Physics Condensed Matter, 1995, 7, 143-150.	0.7	5
94	Finite-temperature correlation functions of the Haldane-Shastry model. Journal of Physics Condensed Matter, 1995, 7, 8619-8628.	0.7	1
95	Path integrals of spin-J systems in the holomorphic representation. Nuclear Physics B, 1995, 448, 331-354.	0.9	27
96	Susceptibility of the spin-S Heisenberg antiferromagnetic chain. Journal of Physics Condensed Matter, 1994, 6, L667-L669.	0.7	1
97	Closed-form relations for phase-space representatives of spin-J operators. Journal of Physics A, 1994, 27, L783-L788.	1.6	1
98	Spin and charge susceptibilities of the attractive hubbard chain. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2159-2160.	0.6	0
99	Quantum Monte Carlo algorithms using coherent states. Physica A: Statistical Mechanics and Its Applications, 1994, 207, 584-607.	1.2	3
100	Thermodynamics of the spin-S antiferromagnetic Heisenberg chain. European Physical Journal B, 1994, 94, 347-352.	0.6	6
101	Multichannel Kondo problem and some applications. Advances in Physics, 1993, 42, 641-682.	35.9	157
102	Thermodynamics of a spin-S' impurity in a spin-S antiferromagnetic Heisenberg chain. Journal of Physics Condensed Matter, 1993, 5, 6999-7008.	0.7	9
103	Applications of the overcompensatednâ€channel Kondo problem. Journal of Applied Physics, 1991, 70, 5806-5808.	1.1	5
104	Comparison of theory and experiment for the dilute Kondo alloy Fe. Physica B: Condensed Matter, 1991, 171, 122-125.	1.3	12
105	Thermodynamics of the n-channel Kondo model for general n and impurity spin S in a magnetic field. Journal of Physics Condensed Matter, 1991, 3, 9687-9696.	0.7	24
106	Low-temperature properties of a two-level system interacting with conduction electrons: An application of the overcompensated multichannel Kondo model. Physical Review B, 1991, 43, 13294-13304.	1.1	110
107	Thermodynamic properties of the two channel Kondo problem in a magnetic field. Physica B: Condensed Matter, 1990, 163, 231-233.	1.3	7
108	The Kondo system Fe: Comparison of theory and experiment. Solid State Communications, 1990, 73, 747-750.	0.9	22

#	ARTICLE	IF	CITATIONS
109	Thermodynamic properties of diluteCuCr alloys. Physical Review B, 1990, 42, 743-746.	1.1	17

110