

Pablo S Cornaglia

List of Publications by Year in descending order

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2,207
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59
docs citations

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times ranked

2520
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic properties of chiral $\text{EuIr}_2\text{P}_2\text{O}_{14}$. Physical Review B, 2021, 104, .	1.1	0
2	Quasiparticle Mass Enhancement as a Measure of Entanglement in the Kondo Problem. Physical Review Letters, 2020, 125, 217601.	2.9	1
3	Minimal model for the magnetic phase diagram of $\text{CeTi}_2\text{P}_2\text{O}_{14}$. Journal of Magnetism and Magnetic Materials, 2020, 503, 166614.	1.0	1
4	Magnetic couplings and magnetocaloric effect in the GdTX (T=Sc, Ti, Co, Fe; X=Si, Ge) compounds. Journal of Physics Condensed Matter, 2020, 32, 285803.	0.7	4
5	Hund's metal regimes and orbital selective Mott transitions in three band systems. Journal of Physics Condensed Matter, 2019, 31, 245602.	0.7	3
6	Magnetostriction reveals orthorhombic distortion in tetragonal Gd compounds. Physical Review B, 2019, 99, .	1.1	7
7	Landau theory for magnetic and structural transitions in $\text{CeCo}_{0.85}\text{Fe}_{0.15}\text{Si}$. Journal of Physics Condensed Matter, 2018, 30, 295803.	0.7	4
8	Spin-orbit and anisotropic strain effects on the electronic correlations in Sr_2RuO_4 . Physical Review B, 2018, 98, .	1.1	10
9	On the nature of the Mott transition in multiorbital systems. Physical Review B, 2017, 95, .	1.1	11
10	$\text{SU}(4)$ Kondo entanglement in double quantum dot devices. Physical Review B, 2017, 96, .	1.1	5
11	Many-body dynamics of the decay of excitons of different charges in a quantum dot. Physical Review B, 2016, 94, .	1.1	3
12	Spin filtering and thermopower in star-coupled quantum dot devices. Physical Review B, 2016, 94, .	1.1	9
13	Lattice specific heat for the RMIn_5 (R=Gd, La, Y; M=Co, Rh) compounds: Non-magnetic contribution subtraction. Journal of Magnetism and Magnetic Materials, 2016, 407, 406-411.	1.0	6
14	Ferromagnetic and underscreened Kondo behavior in quantum dot arrays. Physical Review B, 2015, 92, .	1.1	4
15	State-of-the-art techniques for calculating spectral functions in models for correlated materials. Europhysics Letters, 2015, 112, 17001.	0.7	12
16	Why the Co-based 115 compounds are different: The case study of GdM_5 .		

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19	Transport through side-coupled multilevel double quantum dots in the Kondo regime. <i>Physical Review B</i> , 2014, 89, .	1.1	18
20	Vortex kinks in superconducting films with periodically modulated thickness. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 245701.	0.7	4
21	Mott transition of fermionic mixtures with mass imbalance in optical lattices. <i>Physical Review A</i> , 2012, 85, .	1.0	25
22	Tunable charge and spin Seebeck effects in magnetic molecular junctions. <i>Physical Review B</i> , 2012, 86, .	1.1	25
23	Dynamical magnetic anisotropy and quantum phase transitions in a vibrating spin-1 molecular junction. <i>Physical Review B</i> , 2012, 86, .	1.1	11
24	Transport through side-coupled double quantum dots: From weak to strong interdot coupling. <i>Physical Review B</i> , 2012, 85, .	1.1	21
25	Thermopower of an SU(4) Kondo resonance under an SU(2) symmetry-breaking field. <i>Physical Review B</i> , 2012, 86, .	1.1	30
26	Magnetic structure of hydrogen-induced defects on graphene. <i>Physical Review B</i> , 2012, 85, .	1.1	46
27	Quantum transport through a stretched spin-1 molecule. <i>Europhysics Letters</i> , 2011, 93, 47005.	0.7	27
28	Electrical control of the chemical bonding of fluorine on graphene. <i>Physical Review B</i> , 2011, 83, .	1.1	76
29	Mechanical Control of Spin States in Spin-1 Molecules and the Underscreened Kondo Effect. <i>Science</i> , 2010, 328, 1370-1373.	6.0	399
30	Thermometry and signatures of strong correlations from Raman spectroscopy of fermionic atoms in optical lattices. <i>Physical Review A</i> , 2010, 81, .	1.0	7
31	Pseudogap opening and formation of Fermi arcs as an orbital-selective Mott transition in momentum space. <i>Physical Review B</i> , 2009, 80, .	1.1	116
32	Valence bond dynamical mean-field theory of doped Mott insulators with nodal/antinodal differentiation. <i>Europhysics Letters</i> , 2009, 85, 57009.	0.7	55
33	Localized Spins on Graphene. <i>Physical Review Letters</i> , 2009, 102, 046801.	2.9	106
34	Comment on: "Zero-temperature conductance of parallel T-shape double quantum dots" [<i>Physica E</i> 39 (2007) 214]. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2844-2845.	1.3	2
35	Kondo effect with noncollinear polarized leads: A numerical renormalization group analysis. <i>Physical Review B</i> , 2007, 75, .	1.1	35
36	Electronic transport through magnetic molecules with soft vibrating modes. <i>Physical Review B</i> , 2007, 76, .	1.1	33

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37	Theory of core-level photoemission and the x-ray edge singularity across the Mott transition. Physical Review B, 2007, 75, .	1.1	22
38	Slave boson theory for transport through magnetic molecules with vibronic states. Physical Review B, 2007, 76, .	1.1	12
39	Time Evolution of the Electronic Structure of $1T\bar{a}^{\sim}TaS_2$ through the Insulator-Metal Transition. Physical Review Letters, 2006, 97, 067402.	2.9	425
40	Universal Distribution of Kondo Temperatures in Dirty Metals. Physical Review Letters, 2006, 96, 117209.	2.9	20
41	Electron-phonon correlation effects in molecular transistors. Physical Review B, 2006, 74, .	1.1	23
42	Magnetic moment formation in quantum point contacts. Physical Review B, 2005, 71, .	1.1	12
43	Magnetoconductance through a vibrating molecule in the Kondo regime. Physical Review B, 2005, 71, .	1.1	36
44	Strongly correlated regimes in a double quantum dot device. Physical Review B, 2005, 71, .	1.1	138
45	Quantum transport through a deformable molecular transistor. Physical Review B, 2005, 71, .	1.1	72
46	On the magnetic nature of quantum point contacts. Europhysics Letters, 2004, 67, 634-640.	0.7	16
47	Many-Body Effects on the Transport Properties of Single-Molecule Devices. Physical Review Letters, 2004, 93, 147201.	2.9	140
48	Simulations of Dynamical Ordering in Pinned Vortex Systems. Journal of Low Temperature Physics, 2004, 135, 127-130.	0.6	0
49	Transport through Quantum Dots in Mesoscopic Circuits. Physical Review Letters, 2003, 90, 216801.	2.9	40
50	Size-driven phase transitions in pinned vortex systems. Physical Review B, 2003, 67, .	1.1	5
51	Scanning tunneling microscopy conductance of Kondo impurities on open and structured surfaces. Physical Review B, 2003, 67, .	1.1	17
52	Kondo impurities in nanoscopic systems: ϵ_f Confinement-induced regimes. Physical Review B, 2002, 66, .	1.1	44
53	Spectral densities of Kondo impurities in nanoscopic systems. Physical Review B, 2002, 66, .	1.1	20
54	Vortices in artificial potentials: Simulations of double bitter decorations. Physical Review B, 2002, 66, .	1.1	7

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55	Numerical Simulations of Double Bitter Decoration Experiments. Physica Status Solidi (B): Basic Research, 2002, 230, 505-509.	0.7	2
56	Kondo impurities in nanoscopic and mesoscopic systems. Physica B: Condensed Matter, 2002, 320, 362-365.	1.3	1
57	Quasiparticles and c-axis coherent hopping in high-T _c superconductors. Physical Review B, 2001, 63, .	1.1	1
58	Freezing transition of the vortex liquid in anisotropic superconductors. Physical Review B, 2000, 61, 784-790.	1.1	12