

Pablo S Cornaglia

List of Publications by Year in descending order

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58
papers

2,207
citations

331670

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214800

47
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59
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59
docs citations

59
times ranked

2288
citing authors

#	ARTICLE	IF	CITATIONS
1	Time Evolution of the Electronic Structure of $1T\bar{a}S_2$ through the Insulator-Metal Transition. <i>Physical Review Letters</i> , 2006, 97, 067402.	7.8	425
2	Mechanical Control of Spin States in Spin-1 Molecules and the Underscreened Kondo Effect. <i>Science</i> , 2010, 328, 1370-1373.	12.6	399
3	Many-Body Effects on the Transport Properties of Single-Molecule Devices. <i>Physical Review Letters</i> , 2004, 93, 147201.	7.8	140
4	Strongly correlated regimes in a double quantum dot device. <i>Physical Review B</i> , 2005, 71, .	3.2	138
5	Pseudogap opening and formation of Fermi arcs as an orbital-selective Mott transition in momentum space. <i>Physical Review B</i> , 2009, 80, .	3.2	116
6	Localized Spins on Graphene. <i>Physical Review Letters</i> , 2009, 102, 046801.	7.8	106
7	Electrical control of the chemical bonding of fluorine on graphene. <i>Physical Review B</i> , 2011, 83, .	3.2	76
8	Quantum transport through a deformable molecular transistor. <i>Physical Review B</i> , 2005, 71, .	3.2	72
9	Valence bond dynamical mean-field theory of doped Mott insulators with nodal/antinodal differentiation. <i>Europhysics Letters</i> , 2009, 85, 57009.	2.0	55
10	Magnetic structure of hydrogen-induced defects on graphene. <i>Physical Review B</i> , 2012, 85, .	3.2	46
11	Kondo impurities in nanoscopic systems: δ -Confinement-induced regimes. <i>Physical Review B</i> , 2002, 66, .	3.2	44
12	Transport through Quantum Dots in Mesoscopic Circuits. <i>Physical Review Letters</i> , 2003, 90, 216801.	7.8	40
13	Magnetoconductance through a vibrating molecule in the Kondo regime. <i>Physical Review B</i> , 2005, 71, .	3.2	36
14	Kondo effect with noncollinear polarized leads: A numerical renormalization group analysis. <i>Physical Review B</i> , 2007, 75, .	3.2	35
15	Electronic transport through magnetic molecules with soft vibrating modes. <i>Physical Review B</i> , 2007, 76, .	3.2	33
16	Thermopower of an $SU(4)$ Kondo resonance under an $SU(2)$ symmetry-breaking field. <i>Physical Review B</i> , 2012, 86, .	3.2	30
17	Quantum transport through a stretched spin-1 molecule. <i>Europhysics Letters</i> , 2011, 93, 47005.	2.0	27
18	Mott transition of fermionic mixtures with mass imbalance in optical lattices. <i>Physical Review A</i> , 2012, 85, .	2.5	25

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19	Tunable charge and spin Seebeck effects in magnetic molecular junctions. Physical Review B, 2012, 86, .	3.2	25
20	Electron-phonon correlation effects in molecular transistors. Physical Review B, 2006, 74, .	3.2	23
21	Theory of core-level photoemission and the x-ray edge singularity across the Mott transition. Physical Review B, 2007, 75, .	3.2	22
22	Transport through side-coupled double quantum dots: From weak to strong interdot coupling. Physical Review B, 2012, 85, .	3.2	21
23	Spectral densities of Kondo impurities in nanoscopic systems. Physical Review B, 2002, 66, .	3.2	20
24	Universal Distribution of Kondo Temperatures in Dirty Metals. Physical Review Letters, 2006, 96, 117209.	7.8	20
25	Transport through side-coupled multilevel double quantum dots in the Kondo regime. Physical Review B, 2014, 89, .	3.2	18
26	Scanning tunneling microscopy conductance of Kondo impurities on open and structured surfaces. Physical Review B, 2003, 67, .	3.2	17
27	On the magnetic nature of quantum point contacts. Europhysics Letters, 2004, 67, 634-640.	2.0	16
28	Why the Co-based 115 compounds are different: The case study of GdM_5In		

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37	Spin filtering and thermopower in star-coupled quantum dot devices. <i>Physical Review B</i> , 2016, 94, .	3.2	9
38	Vortices in artificial potentials: Simulations of double bitter decorations. <i>Physical Review B</i> , 2002, 66, .	3.2	7
39	Thermometry and signatures of strong correlations from Raman spectroscopy of fermionic atoms in optical lattices. <i>Physical Review A</i> , 2010, 81, .	2.5	7
40	Magnetostriction reveals orthorhombic distortion in tetragonal Gd compounds. <i>Physical Review B</i> , 2019, 99, .	3.2	7
41	Lattice specific heat for the $R\text{MIn}_5$ ($R=\text{Gd, La, Y}$; $M=\text{Co, Rh}$) compounds: Non-magnetic contribution subtraction. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 407, 406-411.	2.3	6
42	Size-driven phase transitions in pinned vortex systems. <i>Physical Review B</i> , 2003, 67, .	3.2	5
43	SU(4) Kondo entanglement in double quantum dot devices. <i>Physical Review B</i> , 2017, 96, .	3.2	5
44	Vortex kinks in superconducting films with periodically modulated thickness. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 245701.	1.8	4
45	Partial preservation of chiral symmetry and colossal magnetoresistance in adatom-doped graphene. <i>Physical Review B</i> , 2014, 89, .	3.2	4
46	Ferromagnetic and underscreened Kondo behavior in quantum dot arrays. <i>Physical Review B</i> , 2015, 92, .	3.2	4
47	Landau theory for magnetic and structural transitions in $\text{CeCo}_{0.85}\text{Fe}_{0.15}\text{Si}$. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 295803.	1.8	4
48	Magnetic couplings and magnetocaloric effect in the GdTX ($T=\text{Sc, Ti, Co, Fe}$; $X=\text{Si, Ge}$) compounds. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 285803.	1.8	4
49	Many-body dynamics of the decay of excitons of different charges in a quantum dot. <i>Physical Review B</i> , 2016, 94, .	3.2	3
50	Hund's metal regimes and orbital selective Mott transitions in three band systems. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 245602.	1.8	3
51	Numerical Simulations of Double Bitter Decoration Experiments. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 230, 505-509.	1.5	2
52	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.	2.7	2
53	Quasiparticles and c-axis coherent hopping in high- T_c superconductors. <i>Physical Review B</i> , 2001, 63, .	3.2	1
54	Kondo impurities in nanoscopic and mesoscopic systems. <i>Physica B: Condensed Matter</i> , 2002, 320, 362-365.	2.7	1

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55	Quasiparticle Mass Enhancement as a Measure of Entanglement in the Kondo Problem. Physical Review Letters, 2020, 125, 217601.	7.8	1
56	Minimal model for the magnetic phase diagram of CeTi . Journal of Magnetism and Magnetic Materials, 2020, 503, 166614.	2.3	1
57	Simulations of Dynamical Ordering in Pinned Vortex Systems. Journal of Low Temperature Physics, 2004, 135, 127-130.	1.4	0
58	Magnetic properties of chiral Eulr . Physical Review B, 2021, 104, .	3.2	0