

Giacomo Prando

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

801
citations

430442

18
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525886

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58
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58
docs citations

58
times ranked

991
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast motion of molecular rotors in metal-organic framework struts at very low temperatures. <i>Nature Chemistry</i> , 2020, 12, 845-851. Vortex dynamics and irreversibility line in optimally doped SmFeAsO ξ ξ	6.6	79
2	Pressure-induced nodal superconducting gap in LaFeAsO ξ ξ	1.1	37
3	Common effect of chemical and external pressures on the magnetic properties of ξ ξ	1.1	37
4	Correlated Trends of Coexisting Magnetism and Superconductivity in Optimally Electron-Doped Oxypnictides. <i>Physical Review Letters</i> , 2011, 107, 227003.	2.9	36
5	Direct evidence for a pressure-induced nodal superconducting gap in the Ba _{0.65} Rb _{0.35} Fe ₂ As ₂ superconductor. <i>Nature Communications</i> , 2015, 6, 8863.	5.8	36
6	The quasiparticle zoo. <i>Nature Physics</i> , 2016, 12, 1085-1089. Common effect of chemical and external pressures on the magnetic properties of ξ ξ	6.5	35
7			

#	ARTICLE	IF	CITATIONS
19	A view from inside iron-based superconductors. Physica Scripta, 2013, 88, 068504. Onset of magnetism in optimally electron-doped $\text{La}_{1-x}\text{Fe}_x$	1.2	17
20	Anomalous lattice contraction and emergent electronic phases in Bi-doped $\text{La}_{1-x}\text{Ru}_x\text{O}_7$	1.1	17
21	Physical Review B, 2019, 99, .	1.1	17
22	Evidence for a vortex "glass" transition in superconducting $\text{Ba}(\text{Fe}_{0.9}\text{Co}_{0.1})_2\text{As}_2$. Journal of Physics Condensed Matter, 2013, 25, 505701.	0.7	16
23	The natural way. Nature Nanotechnology, 2017, 12, 191-191. Evidence for impurity-induced frustration in La_2CuO_7	15.6	16
24	CuO	1.1	14
25	Influence of hydrostatic pressure on the bulk magnetic properties of $\text{Eu}_2\text{Ir}_2\text{O}_7$. Physical Review B, 2016, 93, .	1.1	14
26	Charge and nematic orders in Fe_2As_2 superconductors. Physical Review B, 2019, 99, .		
27	Molecular Rotors in a Metal-Organic Framework: Muons on a Hyper-Fast Carousel. Nano Letters, 2020, 20, 7613-7618.	4.5	12
28	Dilution effects in $\text{Ho}_{2-x}\text{Y}_x\text{Sn}_2\text{O}_7$: From the spin ice to the single-ion magnet. Journal of Physics: Conference Series, 2009, 145, 012033.	0.3	8
29	Effects of Quantum Spin-1/2 Impurities on the Magnetic Properties of Zigzag Spin Chains. Physical Review Letters, 2017, 118, 107201.	2.9	8
30	Phase separation at the magnetic-superconducting transition in $\text{La}_{0.7}\text{Y}_{0.3}\text{FeAsO}$. Physica Status Solidi (B): Basic Research, 2013, 250, 599-602.	0.7	7
31	Impact of concomitant Y and Mn substitution on superconductivity in $\text{La}_{1-y}\text{Fe}_y\text{O}_{7-x}$. Physical Review B, 2018, 97, .		
32	Monopole-limited nucleation of magnetism in Eu_2O_7 . Physical Review B, 2020, 101, .	1.1	7
33	Amorphous ferromagnetism and re-entrant magnetic glassiness in single-crystalline $\text{Sm}_2\text{Mo}_2\text{O}_7$. Physical Review B, 2014, 90, .	1.1	6
34	Iron-based superconductors: tales from the nuclei. Rivista Del Nuovo Cimento, 2020, 43, 1-43.	2.0	6
35	Common effect of chemical and external pressures on the magnetic properties of RCuPO (R=La,Pr,Nd,Sm). Il. Physical Review B, 2015, 92, .	1.1	5
36	Walls and memory. Nature Nanotechnology, 2017, 12, 724-724.	15.6	4

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37	Towards on-chip qubits. Nature Nanotechnology, 2017, 12, 6-6.	15.6	3
38	Fast recovery of the pristine magnetic and structural phases in superconducting LaFeAsO _{0.89} F _{0.11} by Mn/Fe substitution. Journal of Physics Condensed Matter, 2019, 31, 174002.	0.7	3
39	Complex vortex-antivortex dynamics in the magnetic superconductor $\text{EuFe}(\text{AsO})_2$. Physical Review B, 2022, 105, .	1.1	3
40	Investigation of Fluctuating Diamagnetism and Spin Dynamics in SmFeAsO _{1-x} F _x Superconductors. Advances in Science and Technology, 0, , .	0.2	2
41	A steam nanogenerator. Nature Nanotechnology, 2017, 12, 506-506.	15.6	2
42	Effect of external pressure on the magnetic properties of R CoAsO (R =La, Pr, Sm): a ^{151}Sm NMR study. Journal of Physics and Chemistry of Solids, 2015, 84, 63-69.	1.9	1
43	Tuning the magnetocrystalline anisotropy in RCoPO by means of R substitution: A ferromagnetic resonance study. Physical Review B, 2016, 94, .	1.1	1
44	A spectral unit. Nature Physics, 2020, 16, 888-888.	6.5	1
45	Magnetically induced local lattice anomalies and low-frequency fluctuations in the Mott insulator La ₂ O ₃ Fe ₂ Se ₂ . Physical Review B, 2021, 103, .	1.1	1
46	Vortex dynamics and irreversibility line in optimally doped SmFeAsO _{0.8} F _{0.2} from ac susceptibility and magnetization measurements. , 0, .		1
47	Germanium "vacancy defects join the family. Nature Nanotechnology, 2017, 12, 942-942.	15.6	0
48	Science and style. Nature Nanotechnology, 2018, 13, 352-352.	15.6	0
49	Effect of the external pressure at the crossover between magnetism and superconductivity in LnFeAsO _{1-x} F _x (Ln = La _{0.7} Y _{0.3} , Ce) superconductors. International Journal of Modern Physics B, 2018, 32, 1840018.	1.0	0
50	Qubits in a row. Nature Nanotechnology, 0, , .	15.6	0
51	Bulk isn't everything. Nature Nanotechnology, 0, , .	15.6	0