

Giacomo Prando

List of Publications by Year in descending order

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papers

801
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430442

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58
all docs

58
docs citations

58
times ranked

991
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex vortex-antivortex dynamics in the magnetic superconductor EuFe_2O_7 . Physical Review B, 2022, 105, .	1.1	3
2	Magnetically induced local lattice anomalies and low-frequency fluctuations in the Mott insulator $\text{La}_2\text{O}_3\text{Fe}_2\text{Se}_2$. Physical Review B, 2021, 103, .	1.1	1
3	Cascade Dynamics of Multiple Molecular Rotors in a MOF: Benchmark Mobility at a Few Kelvins and Dynamics Control by CO_2 . Journal of the American Chemical Society, 2021, 143, 13082-13090.	6.6	20
4	A spectral unit. Nature Physics, 2020, 16, 888-888.	6.5	1
5	Molecular Rotors in a Metal-Organic Framework: Muons on a Hyper-Fast Carousel. Nano Letters, 2020, 20, 7613-7618.	4.5	12
6	Monopole-limited nucleation of magnetism in Eu_2O_7 . Physical Review B, 2020, 101, .	1.1	7
7	Fast motion of molecular rotors in metal-organic framework struts at very low temperatures. Nature Chemistry, 2020, 12, 845-851.	6.6	79
8	Iron-based superconductors: tales from the nuclei. Rivista Del Nuovo Cimento, 2020, 43, 1-43.	2.0	6
9	Charge and nematic orders in AFe_3As_5 superconductors. Physical Review B, 2019, 99, .	1.1	13
10	Anomalous lattice contraction and emergent electronic phases in Bi-doped Eu_2O_7 . Physical Review B, 2019, 99, .	1.1	17
11	Fast recovery of the pristine magnetic and structural phases in superconducting $\text{LaFeAsO}_{0.89}\text{F}_{0.11}$ by Mn/Fe substitution. Journal of Physics Condensed Matter, 2019, 31, 174002.	0.7	3
12	Impact of concomitant Y and Mn substitution on superconductivity in $\text{La}_{1-x}\text{Y}_x\text{FeAsO}$. Physical Review B, 2018, 97, .	1.1	7
13	Science and style. Nature Nanotechnology, 2018, 13, 352-352.	15.6	0
14	Effect of the external pressure at the crossover between magnetism and superconductivity in $\text{LnFeAsO}_{1-x}\text{Fx}$ (Ln = $\text{La}_{0.7}\text{Y}_{0.3}$, Ce) superconductors. International Journal of Modern Physics B, 2018, 32, 1840018.	1.0	0
15	Towards on-chip qubits. Nature Nanotechnology, 2017, 12, 6-6.	15.6	3
16	The natural way. Nature Nanotechnology, 2017, 12, 191-191.	15.6	16
17	Effects of Quantum Spin-1/2 Impurities on the Magnetic Properties of Zigzag Spin Chains. Physical Review Letters, 2017, 118, 107201.	2.9	8
18	Germanium-vacancy defects join the family. Nature Nanotechnology, 2017, 12, 942-942.	15.6	0

#	ARTICLE	IF	CITATIONS
19	Walls and memory. Nature Nanotechnology, 2017, 12, 724-724.	15.6	4
20	A steam nanogenerator. Nature Nanotechnology, 2017, 12, 506-506.	15.6	2
21	The quasiparticle zoo. Nature Physics, 2016, 12, 1085-1089.	6.5	35
22	Tuning the magnetocrystalline anisotropy in RCoPO by means of R substitution: A ferromagnetic resonance study. Physical Review B, 2016, 94, .	1.1	1
23	Influence of hydrostatic pressure on the bulk magnetic properties of Eu ₂ Ir ₂ O ₇ . Physical Review B, 2016, 93, .	1.1	14
24	Common effect of chemical and external pressures on the magnetic properties of RCoPO (R=La,Pr,Nd,Sm). II.. Physical Review B, 2015, 92, .	1.1	5
25	Mutual Independence of Critical Temperature and Superfluid Density under Pressure in Optimally Electron-Doped Superconducting LaFeAsO _{1-x} F _x . Physical Review Letters, 2015, 114, 247004.	2.9	19
26	Effect of external pressure on the magnetic properties of R CoAsO (R =La, Pr, Sm): a ¹ / ₄ SR study. Journal of Physics and Chemistry of Solids, 2015, 84, 63-69.	1.9	1
27	Direct evidence for a pressure-induced nodal superconducting gap in the Ba _{0.65} Rb _{0.35} Fe ₂ As ₂ superconductor. Nature Communications, 2015, 6, 8863.	5.8	36
28	Poisoning effect of Mn in $\text{La}_{0.89}\text{Fe}_{0.11}\text{O}_F$: Unveiling a quantum critical point in. Physical Review B, 2014, 89, .	1.1	29
29	Amorphous ferromagnetism and re-entrant magnetic glassiness in single-crystalline Sm ₂ Mo ₂ O ₇ . Physical Review B, 2014, 90, .	1.1	6
30	Evidence for a vortex "glass transition in superconducting Ba(Fe _{0.9} Co _{0.1}) ₂ As ₂ . Journal of Physics Condensed Matter, 2013, 25, 505701.	0.7	16
31	A view from inside iron-based superconductors. Physica Scripta, 2013, 88, 068504. Common effect of chemical and external pressures on the magnetic properties of $\text{La}_{0.89}\text{Fe}_{0.11}\text{O}_F$	1.2	17
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#	ARTICLE	IF	CITATIONS
37	Stability investigation of vortex dynamics in nearly optimally doped $R_{1-x}Fe_xAsO$	1.1	26
38	Effect of external pressure on the magnetic properties of $LnFeAsO$ ($Ln = La, Ce, Pr, Sm$). Superconductor Science and Technology, 2012, 25, 084009.	1.8	32
39	Long- to short-range magnetic order in fluorine-doped $CeFeAsO$. Physical Review B, 2011, 84, . Evidence for impurity-induced frustration in $La_{1-x}F_xFeAsO$	1.1	27
40	Optimally doped $SmFeAsO$	1.1	14
41	Tuning of competing magnetic and superconducting phase volumes in $LaFeAsO_{1-x}F_x$	1.1	37
42	Correlated Trends of Coexisting Magnetism and Superconductivity in Optimally Electron-Doped Oxy pnictides. Physical Review Letters, 2011, 107, 227003.	2.9	36
43	Superconducting phase fluctuations in $SmFeAsO_{0.8}F_{0.2}$ from diamagnetism at a low magnetic field above T_c . Physical Review B, 2011, 84, .	1.1	24
44	NMR study of the coupling between magnetic and superconducting states within the $FeAs$ layers of $CeFeAsO_{1-x}F_x$	1.1	27
45	Nanoscopic coexistence of magnetic and superconducting states within the $FeAs$ layers of $CeFeAsO_{1-x}F_x$	1.1	30
46	Physical Review B, 2010, 82, .	1.1	30
47	Dilution effects in $Ho_{2-x}Y_xSn_2O_7$: From the spin ice to the single-ion magnet. Journal of Physics: Conference Series, 2009, 145, 012033.	0.3	8
48	Investigation of Fluctuating Diamagnetism and Spin Dynamics in $SmFeAsO_{1-x}F_x$ Superconductors. Advances in Science and Technology, 0, .	0.2	2
49	Vortex dynamics and irreversibility line in optimally doped $SmFeAsO_{0.8}F_{0.2}$ from ac susceptibility and magnetization measurements. , 0, .		1
50	Qubits in a row. Nature Nanotechnology, 0, .	15.6	0
51	Bulk isn't everything. Nature Nanotechnology, 0, .	15.6	0