

Giacomo Prando

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6091263/publications.pdf>

Version: 2024-02-01

51
papers

801
citations

430874

18
h-index

526287

27
g-index

58
all docs

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. Nature Chemistry, 2020, 12, 845-851. Vortex dynamics and irreversibility line in optimally doped SmFeAsO $\chi_{\parallel} = \chi_{\perp} + \frac{\mu_0^2}{4\pi} \frac{M^2}{\rho}$	13.6	79
2	Pressure-induced nodal superconducting gap in LaFeAsO $F = \frac{1}{2} \rho \omega^2$	12.1	102
3	Common effect of chemical and external pressures on the magnetic properties of $\chi_{\parallel} = \chi_{\perp} + \frac{\mu_0^2}{4\pi} \frac{M^2}{\rho}$	3.2	37
4	Correlated Trends of Coexisting Magnetism and Superconductivity in Optimally Electron-Doped Oxypnictides. Physical Review Letters, 2011, 107, 227003.	7.8	36
5	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.	12.8	36
6	The quasiparticle zoo. Nature Physics, 2016, 12, 1085-1089. Common effect of chemical and external pressures on the magnetic properties of $\chi_{\parallel} = \chi_{\perp} + \frac{\mu_0^2}{4\pi} \frac{M^2}{\rho}$	16.7	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 $\text{La}_{1-x}\text{Fe}_x$	2.5	17
20	Anomalous lattice contraction and emergent electronic phases in Bi-doped $\text{Ru}_{1-x}\text{Mn}_x\text{O}_2$	3.2	17
21	Physical Review B, 2019, 99, .	3.2	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.	1.8	16
23	The natural way. Nature Nanotechnology, 2017, 12, 191-191. Evidence for impurity-induced frustration in La_2CuO_4	31.5	16
24	CuO	3.2	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, .	3.2	14
26	Charge and nematic orders in $\text{Fe}_2\text{Mn}_2\text{As}_2$ superconductors. Physical Review B, 2019, 99, .	3.2	13
27	Molecular Rotors in a Metal-Organic Framework: Muons on a Hyper-Fast Carousel. Nano Letters, 2020, 20, 7613-7618.	9.1	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.	0.4	8
29	Effects of Quantum Spin-1/2 Impurities on the Magnetic Properties of Zigzag Spin Chains. Physical Review Letters, 2017, 118, 107201.	7.8	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.	1.5	7
31	Impact of concomitant Y and Mn substitution on superconductivity in $\text{La}_{1-y}\text{Fe}_y\text{Mn}_{1-y}\text{O}$. Physical Review B, 2018, 97, .	3.2	7
32	Monopole-limited nucleation of magnetism in Eu_2O_7 . Physical Review B, 2020, 101, .	3.2	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, .	3.2	6
34	Iron-based superconductors: tales from the nuclei. Rivista Del Nuovo Cimento, 2020, 43, 1-43.	5.7	6
35	Common effect of chemical and external pressures on the magnetic properties of RCoPO_4 (R=La,Pr,Nd,Sm). II.. Physical Review B, 2015, 92, .	3.2	5
36	Walls and memory. Nature Nanotechnology, 2017, 12, 724-724.	31.5	4

#	ARTICLE	IF	CITATIONS
37	Towards on-chip qubits. Nature Nanotechnology, 2017, 12, 6-6.	31.5	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.	1.8	3
39	Complex vortex-antivortex dynamics in the magnetic superconductor $\text{EuFe}(\text{Mn})_2\text{As}_2$. Physical Review B, 2022, 105, .	3.2	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.	31.5	2
42	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.	4.0	1
43	Tuning the magnetocrystalline anisotropy in RCoPO by means of R substitution: A ferromagnetic resonance study. Physical Review B, 2016, 94, .	3.2	1
44	A spectral unit. Nature Physics, 2020, 16, 888-888.	16.7	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, .	3.2	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.	31.5	0
48	Science and style. Nature Nanotechnology, 2018, 13, 352-352.	31.5	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.	2.0	0
50	Qubits in a row. Nature Nanotechnology, 0, , .	31.5	0
51	Bulk isn't everything. Nature Nanotechnology, 0, , .	31.5	0