

Samuele Sanna

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

1,404
citations

279798

23
h-index

395702

33
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94
all docs

94
docs citations

94
times ranked

1445
citing authors

#	ARTICLE	IF	CITATIONS
1	<p>Flattened level tuning and double-dome superconductivity in the kagome metal CsV_3Sb_5</p> <p>Complex vortex-antivortex dynamics in the magnetic superconductor Sn_xEuFe_2</p> <p>Physical Review B, 2022, 105, .</p>	2.4	74
2	<p>UNDI: An open-source library to simulate muon-nuclear interactions in solids. Computer Physics Communications, 2021, 260, 107719.</p> <p>Structural strain and competition between charge density wave and superconductivity in</p>	7.5	1
3			
4			

#	ARTICLE	IF	CITATIONS
19	Effect of the external pressure at the crossover between magnetism and superconductivity in $\text{LnFeAsO}_{1-x}\text{F}_x$ (Ln = La, Ce) superconductors. International Journal of Modern Physics B, 2018, 32, 1840018.	2.0	0
20	Extending the hydrogen storage limit in fullerene. Carbon, 2017, 120, 77-82.	10.3	33
21	Molecular and Ionic Dynamics in $\text{NaLi}_6\text{C}_{60}$. Journal of Physical Chemistry C, 2017, 121, 6554-6560.	3.1	9
22	Fast recovery of the stripe magnetic order by Mn/Fe substitution in F-doped LaFeAsO superconductors. Physical Review B, 2017, 95, .	3.2	13
23	Low-field spin dynamics of Cr_{7}S_7 and Cr_{7}S_6 . Physical Review B, 2017, 96, .	3.2	3
24	Anomalous local lattice disorder and distortion in $\text{A}_2\text{Mo}_2\text{O}_7$ pyrochlores. Journal of Alloys and Compounds, 2017, 723, 327-332.	5.5	2
25	H and Li dynamics in $\text{Li}_{12}\text{C}_{60}$ and $\text{Li}_{12}\text{C}_{60}\text{H}_y$. International Journal of Hydrogen Energy, 2017, 42, 22544-22550.	7.1	7
26	Role of magnetic dopants in the phase diagram of Sm 1111 pnictides: The case of Mn. Physical Review B, 2016, 94, .	3.2	5
27	Persistence of slow dynamics in $\text{Tb}(\text{OETAP})_2$ single molecule magnets embedded in conducting polymers. Journal of Physics Condensed Matter, 2016, 28, 386002.	1.8	0
28	Investigation of Li and H dynamics in Li_6C_{60} and $\text{Li}_6\text{C}_{60}\text{H}$. Carbon, 2016, 96, 276-284.	10.3	15
29	Competing effects of Mn and Y doping on the low-energy excitations and phase diagram of $\text{La}_{1-x}\text{Y}_x\text{Fe}_{1-x}\text{Mn}_x\text{AsO}$. Physical Review B, 2016, 94, .	3.2	7
30	Effects of extremely low-frequency magnetotherapy on proliferation of human dermal fibroblasts. Electromagnetic Biology and Medicine, 2016, 35, 343-352.	1.4	9
31	Observation of Mixed Valence Ru Components in Zn Doped $\text{Y}_{2-x}\text{Ru}_x\text{O}_7$ Pyrochlores. Journal of Physical Chemistry C, 2016, 120, 11763-11768.	3.1	23
32	Evidence of local structural order and spin-lattice coupling in the frustrated pyrochlore $\text{Y}_2\text{Ru}_2\text{O}_7$. Physical Review B, 2015, 92, .	3.1	15
33	Enhancement of Low-Frequency Fluctuations and Superconductivity Breakdown in Mn-doped $\text{La}_{1-x}\text{Y}_x\text{FeAsO}$. Physical Review B, 2015, 92, .	3.2	5
34	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
35	Mutual Independence of Critical Temperature and Superfluid Density under Pressure in Optimally Electron-Doped Superconducting $\text{LaFeAsO}_{1-x}\text{F}_x$. Physical Review Letters, 2015, 114, 247004.	7.8	19
36	Publisher's Note: Mutual Independence of Critical Temperature and Superfluid Density under Pressure in Optimally Electron-Doped Superconducting $\text{LaFeAsO}_{1-x}\text{F}_x$. Physical Review Letters, 2015, 115, .	7.8	0

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37	Slow magnetic fluctuations and superconductivity in fluorine-doped NdFeAsO. Physical Review B, 2015, 91, .	3.2	9
38	YBa ₂ Cu ₃ O ₇ microwave resonators for strong collective coupling with spin ensembles. Applied Physics Letters, 2015, 106, .	3.3	45
39	Evidence of a correlation between magnetic and structural transitions in Y _{2-x} Zn _x Ru ₂ O ₇ pyrochlore compounds. RSC Advances, 2015, 5, 100809-100815.	3.6	8
40	Sensitivity of angle-resolved photoemission to short-range antiferromagnetic correlations. Physical Review B, 2015, 91, .	3.2	3
41	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
42	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, .	3.2	29
43	Tuning the magnetic and structural phase transitions of PrFeAsO via Fe/Ru spin dilution. Physical Review B, 2014, 90, .	3.2	6
44	⁷⁵ As NQR signature of the isoelectronic nature of ruthenium for iron substitution in LaFeRuAsO. Physica Status Solidi (B): Basic Research, 2014, 251, 974-979.	1.5	4
45	Soft x-ray absorption and high-resolution powder x-ray diffraction study of superconducting CaLa _{1-x} Ba _{1.75x} La _{0.25} +Cu ₃ O system. Journal of Physics and Chemistry of Solids, 2014, 75, 259-264.	4.0	8
46	Tracking the Hydrogen Motion in Defective Graphene. Journal of Physical Chemistry C, 2014, 118, 7110-7116.	3.1	26
47	Crossover between magnetism and superconductivity in LaFeAsO with low H-doping level. Journal of Physics Condensed Matter, 2014, 26, 295701.	1.8	6
48	Band filling effect on polaron localization in La _{1-x} (Ca _y Sr _{1-y})xMnO ₃ manganites. Journal of Physics Condensed Matter, 2014, 26, 266004.	1.8	7
49	A magnetic glassy phase in Fe _{1+y} SexTe _{1-x} single crystals. Journal of Physics Condensed Matter, 2013, 25, 156004.	1.8	9
50	A view from inside iron-based superconductors. Physica Scripta, 2013, 88, 068504.	2.5	17
51	Structural properties and phase diagram of the La(Fe _{1-x} Ru _x)AsO system. Journal of Physics Condensed Matter, 2013, 25, 395701.	1.8	8
52	$\text{La}_{0.5}\text{F}$ -wave pairing in the optimally doped LaO _F system. Journal of Physics Condensed Matter, 2013, 25, 395701.	3.2	57
53	Relaxation dynamics in a Fe _{1-x} Bi _x S system. Journal of Physics Condensed Matter, 2013, 25, 156004.	3.2	15
54	Common effect of chemical and external pressures on the magnetic properties of $\text{D}_{0.1}\text{Mn}_{0.9}\text{O}_2$. Journal of Physics Condensed Matter, 2013, 25, 156004.		

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55	Role of in-plane and out-of-plane dilution in CeFeAsO: Charge doping versus disorder. Physical Review B, 2013, 87, . Phase separation at the magnetic "superconducting transition in $\text{La}_{0.7}\text{Y}_{0.3}\text{FeAsO}$. Physica Status Solidi (B), 2013, 250, 10, 2300-2304. Magnetic Properties of spin-diluted Cr oxynictides from ^1H NMR and NMR in LaFeAsO . Physical Review B, 2012, 85, 10, 104411. Local spin density in the Cr_7Ni antiferromagnetic molecular ring and ^{53}Cr -NMR. Journal of Physics: Condensed Matter, 2012, 24, 406002. ac susceptibility investigation of vortex dynamics in nearly optimally doped F . Physical Review B, 2012, 85, 10, 104411. Effect of external pressure on the magnetic properties of LnFeAsO ($\text{Ln} = \text{La}, \text{Ce}, \text{Pr}, \text{Sm}$). Superconductor Science and Technology, 2012, 25, 084009.	3.2	17
56	Relaxation Processes and Structural Changes in Li- and Na-Doped Fullerenes for Hydrogen Storage. Journal of Physical Chemistry C, 2012, 116, 16365-16370.	3.2	27
57	Long- to short-range magnetic order in fluorine-doped CeFeAsO. Physical Review B, 2011, 84, . Evidence for impurity-induced frustration in LaCuO . Physical Review B, 2011, 84, 10, 104411. Tuning of competing magnetic and superconducting phase volumes in LaFeAsO . Physical Review B, 2011, 84, 10, 104411. study of the coupling between F and NMR . Physical Review B, 2011, 84, 10, 104411. Nanoscope existence of magnetic and superconducting states within the FeAs layers of CeFeAsO and PrFeAsO . Physical Review B, 2010, 82, 10, 104411. Magnetic states of lightly hole-doped cuprates in the clean limit as seen via zero-field muon spin spectroscopy. Physical Review B, 2010, 81, .	1.5	7
58	Relaxation Processes and Structural Changes in Li- and Na-Doped Fullerenes for Hydrogen Storage. Journal of Physical Chemistry C, 2012, 116, 16365-16370.	3.2	25
59	Long- to short-range magnetic order in fluorine-doped CeFeAsO. Physical Review B, 2011, 84, . Evidence for impurity-induced frustration in LaCuO . Physical Review B, 2011, 84, 10, 104411. Tuning of competing magnetic and superconducting phase volumes in LaFeAsO . Physical Review B, 2011, 84, 10, 104411. study of the coupling between F and NMR . Physical Review B, 2011, 84, 10, 104411. Nanoscope existence of magnetic and superconducting states within the FeAs layers of CeFeAsO and PrFeAsO . Physical Review B, 2010, 82, 10, 104411. Magnetic states of lightly hole-doped cuprates in the clean limit as seen via zero-field muon spin spectroscopy. Physical Review B, 2010, 81, .	1.8	15
60	Relaxation Processes and Structural Changes in Li- and Na-Doped Fullerenes for Hydrogen Storage. Journal of Physical Chemistry C, 2012, 116, 16365-16370.	3.2	26
61	Effect of external pressure on the magnetic properties of LnFeAsO ($\text{Ln} = \text{La}, \text{Ce}, \text{Pr}, \text{Sm}$). Superconductor Science and Technology, 2012, 25, 084009.	3.5	32
62	Relaxation Processes and Structural Changes in Li- and Na-Doped Fullerenes for Hydrogen Storage. Journal of Physical Chemistry C, 2012, 116, 16365-16370.	3.1	22
63	Long- to short-range magnetic order in fluorine-doped CeFeAsO. Physical Review B, 2011, 84, . Evidence for impurity-induced frustration in LaCuO . Physical Review B, 2011, 84, 10, 104411. Tuning of competing magnetic and superconducting phase volumes in LaFeAsO . Physical Review B, 2011, 84, 10, 104411. study of the coupling between F and NMR . Physical Review B, 2011, 84, 10, 104411. Nanoscope existence of magnetic and superconducting states within the FeAs layers of CeFeAsO and PrFeAsO . Physical Review B, 2010, 82, 10, 104411. Magnetic states of lightly hole-doped cuprates in the clean limit as seen via zero-field muon spin spectroscopy. Physical Review B, 2010, 81, .	3.2	27
64	Relaxation Processes and Structural Changes in Li- and Na-Doped Fullerenes for Hydrogen Storage. Journal of Physical Chemistry C, 2012, 116, 16365-16370.	3.2	14
65	Long- to short-range magnetic order in fluorine-doped CeFeAsO. Physical Review B, 2011, 84, . Evidence for impurity-induced frustration in LaCuO . Physical Review B, 2011, 84, 10, 104411. Tuning of competing magnetic and superconducting phase volumes in LaFeAsO . Physical Review B, 2011, 84, 10, 104411. study of the coupling between F and NMR . Physical Review B, 2011, 84, 10, 104411. Nanoscope existence of magnetic and superconducting states within the FeAs layers of CeFeAsO and PrFeAsO . Physical Review B, 2010, 82, 10, 104411. Magnetic states of lightly hole-doped cuprates in the clean limit as seen via zero-field muon spin spectroscopy. Physical Review B, 2010, 81, .	3.2	14
66	Long- to short-range magnetic order in fluorine-doped CeFeAsO. Physical Review B, 2011, 84, . Evidence for impurity-induced frustration in LaCuO . Physical Review B, 2011, 84, 10, 104411. Tuning of competing magnetic and superconducting phase volumes in LaFeAsO . Physical Review B, 2011, 84, 10, 104411. study of the coupling between F and NMR . Physical Review B, 2011, 84, 10, 104411. Nanoscope existence of magnetic and superconducting states within the FeAs layers of CeFeAsO and PrFeAsO . Physical Review B, 2010, 82, 10, 104411. Magnetic states of lightly hole-doped cuprates in the clean limit as seen via zero-field muon spin spectroscopy. Physical Review B, 2010, 81, .	3.2	37
67	Correlated Trends of Coexisting Magnetism and Superconductivity in Optimally Electron-Doped Oxynictides. Physical Review Letters, 2011, 107, 227003.	7.8	36
68	Superconducting phase fluctuations in $\text{SmFeAsO}_{0.8}\text{F}_{0.2}$ from diamagnetism at a low magnetic field above T_c . Physical Review B, 2011, 84, .	3.2	24
69	Competing orders suppressed by disorder around a hidden quantum critical point in high- T_c cuprate superconductors. Physical Review B, 2010, 82, .	3.2	7
70	study of the coupling between F and NMR . Physical Review B, 2011, 84, 10, 104411.	3.2	27
71	Nanoscope existence of magnetic and superconducting states within the FeAs layers of CeFeAsO and PrFeAsO . Physical Review B, 2010, 82, .	3.2	30
72	Magnetic states of lightly hole-doped cuprates in the clean limit as seen via zero-field muon spin spectroscopy. Physical Review B, 2010, 81, .	3.2	44

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73	Magnetic-superconducting phase boundary of $\text{SmFeAsO}_{1-x}\text{F}_x$ detected by μSR . Journal of Superconductivity and Novel Magnetism, 2009, 22, 585-588.	3.2	68
74	Intrinsic Ferromagnetic Impurity Phases in $\text{SmFeAsO}_{1-x}\text{F}_x$ Detected by μSR . Journal of Superconductivity and Novel Magnetism, 2009, 22, 585-588.	1.8	6
75	Effect of the double doping mechanism on the phase diagram of $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. Physica B: Condensed Matter, 2009, 404, 706-709.	2.7	3
76	Experimental evidence of chemical-pressure-controlled superconductivity in cuprates. Europhysics Letters, 2009, 86, 67007.	2.0	6
77	Experimental evidence of two distinct charge carriers in underdoped cuprate superconductors. Physical Review B, 2008, 77, .	3.2	13
78	Controlling the Critical Temperature in $\text{Mg}_{1-x}\text{Al}_x\text{B}_2$. Journal of Superconductivity and Novel Magnetism, 2007, 20, 495-501.	1.8	11
79	Structure and characterisation of $[\text{Pt}(\text{Me}_2\text{pipdt})_2][\text{Pt}(\text{mnt})_2]_2$ and its unusual magnetic properties associated with a non-regular one-dimensional $[\text{Pt}(\text{mnt})_2]$ stack. Chemical Physics Letters, 2006, 421, 361-366.	2.6	6
80	Magnetic clusters in superconducting lightly doped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. Physica B: Condensed Matter, 2006, 374-375, 221-224.	2.7	4
81	Synthesis of bulk MgB_2 superconductors by pulsed electric current. AICHE Journal, 2006, 52, 2618-2626.	3.6	15
82	The Underdoped Region of the Phase Diagram of $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. Journal of Superconductivity and Novel Magnetism, 2005, 18, 769-772.	0.5	7
83	Electro-Conducting Properties of Charge-Transfer Salts Based on Cationic and Anionic Platinum Dithiolenes: Crystal Structure of $[\text{Pt}(\text{Me}_2\text{pipdt})_2][\text{Pt}(\text{dtr})_2]$. European Journal of Inorganic Chemistry, 2005, 2005, 1829-1835.	2.0	12
84	Nanosopic Coexistence of Magnetism and Superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ Detected by Muon Spin Rotation. Physical Review Letters, 2004, 93, 207001.	7.8	115
85	Magnetism and superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{6.41}$. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 142-143.	2.3	0
86	The magnetization behavior of lightly doped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1325-1326.	2.3	0
87	The freezing of spin and charge at low temperature in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. Solid State Communications, 2003, 126, 85-91.	1.9	18
88	Investigation of a Peaked Feature in the Magnetic Susceptibility of $\text{YBa}_2\text{Cu}_3\text{O}_{6.30}$ Samples. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2003, 58, 546-550.	1.5	0
89	Magnetic Susceptibility of the Cluster Compounds Mo_6Te_8 and Mo_6Te_8 . Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 221-225.	1.5	2
90	Orthorhombic low-temperature superstructures in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. Physical Review B, 2001, 63, .	3.2	27

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91	Critical chain length and superconductivity emergence in oxygen-equalized pairs of $\text{YBa}_2\text{Cu}_3\text{O}_{6.30}$. Physical Review B, 2000, 61, 15450-15453.	3.2	12
92	Investigation of Fluctuating Diamagnetism and Spin Dynamics in $\text{SmFeAsO}_{1-x}\text{F}_x$ Superconductors. Advances in Science and Technology, 0, , .	0.2	2
93	Vortex dynamics and irreversibility line in optimally doped $\text{SmFeAsO}_{0.8}\text{F}_{0.2}$ from ac susceptibility and magnetization measurements. , 0, .		1