

Laura Fanfarillo

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

668
citations

687363

13
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

736
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2021 room-temperature superconductivity roadmap. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 183002.	1.8	79
2	Machine learning of superconducting critical temperature from Eliashberg theory. <i>Npj Computational Materials</i> , 2022, 8, .	8.7	27
3	Go for a spin. <i>Nature Physics</i> , 2022, 18, 738-739.	16.7	3
4	Photoinduced long-lived state in FeSe _{0.4} Te _{0.6} . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021, 250, 147090.	1.7	3
5	High-pressure study of the low- Z rich superconductor Be ₂₂ Re. <i>Physical Review B</i> , 2021, 104, .	3.2	2
6	The Role of Orbital Nesting in the Superconductivity of Iron-Based Superconductors. <i>Condensed Matter</i> , 2021, 6, 34.	1.8	0
7	Synergy between Hund-Driven Correlations and Boson-Mediated Superconductivity. <i>Physical Review Letters</i> , 2020, 125, 177001.	7.8	12
8	Remarkable low-energy properties of the pseudogapped semimetal Be ₅ Pt. <i>Physical Review B</i> , 2020, 102, .	3.2	1
9	Nonlocal correlations in iron pnictides and chalcogenides. <i>Physical Review B</i> , 2020, 102, .	3.2	21
10	Anisotropy of the dc conductivity due to orbital-selective spin fluctuations in the nematic phase of iron superconductors. <i>Physical Review B</i> , 2019, 99, .	3.2	6
11	Charge Disproportionation, Mixed Valence, and Janus Effect in Multiorbital Systems: A Tale of Two Insulators. <i>Physical Review Letters</i> , 2019, 122, 186401.	7.8	38
12	Orbital mismatch boosting nematic instability in iron-based superconductors. <i>Physical Review B</i> , 2018, 97, .	3.2	27
13	Nematic pairing from orbital-selective spin fluctuations in FeSe. <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	46
14	Ultrafast orbital manipulation and Mott physics in multi-band correlated materials. , 2018, , .		2
15	Nematicity at the Hund's metal crossover in iron superconductors. <i>Physical Review B</i> , 2017, 95, .	3.2	51
16	Glue function of optimally and overdoped cuprates from inversion of the Raman spectra. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 065701.	1.8	4
17	Orbital-dependent Fermi surface shrinking as a fingerprint of nematicity in FeSe. <i>Physical Review B</i> , 2016, 94, .	3.2	100
18	Electronic correlations in Hund metals. <i>Physical Review B</i> , 2015, 92, .	3.2	75

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19	Spin-orbital interplay and topology in the nematic phase of iron pnictides. <i>Physical Review B</i> , 2015, 91, .	3.2	29
20	Anisotropy of the superconducting fluctuations in multiband superconductors: the case of LiFeAs. <i>Superconductor Science and Technology</i> , 2014, 27, 124009.	3.5	3
21	Leggett modes in iron-based superconductors as a probe of time-reversal symmetry breaking. <i>Physical Review B</i> , 2013, 88, .	3.2	64
22	Current-current Fermi-liquid corrections to the superconducting fluctuations on conductivity and diamagnetism. <i>Physical Review B</i> , 2012, 85, .	3.2	10
23	Unconventional Hall Effect in Pnictides from Interband Interactions. <i>Physical Review Letters</i> , 2012, 109, 096402.	7.8	31
24	Theory of fluctuation conductivity from interband pairing in pnictide superconductors. <i>Physical Review B</i> , 2009, 79, .	3.2	34