

Federico Mazzola

List of Publications by Year in descending order

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47
papers

1,742
citations

394421

19
h-index

276875

41
g-index

47
all docs

47
docs citations

47
times ranked

3236
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct observation of spin-polarized bulk bands in an inversion-symmetric semiconductor. Nature Physics, 2014, 10, 835-839.	16.7	271
2	Electronic Structure and Enhanced Charge-Density Wave Order of Monolayer VSe ₂ . Nano Letters, 2018, 18, 4493-4499.	9.1	200
3	Oxygen Switching of the Epitaxial Graphene-Metal Interaction. ACS Nano, 2012, 6, 9551-9558.	14.6	195
4	Ubiquitous formation of bulk Dirac cones and topological surface states from a single orbital manifold in transition-metal dichalcogenides. Nature Materials, 2018, 17, 21-28.	27.5	144
5	Fermiology and Superconductivity of Topological Surface States in PdTe . Physical Review Letters, 2018, 120, 156401.	7.8	107
6	Maximal Rashba-like spin splitting via kinetic-energy-coupled inversion-symmetry breaking. Nature, 2017, 549, 492-496.	27.8	105
7	Spin-valley locking in the normal state of a transition-metal dichalcogenide superconductor. Nature Communications, 2016, 7, 11711.	12.8	85
8	Direct observation of a uniaxial stress-driven Lifshitz transition in Sr ₂ RuO ₄ . Npj Quantum Materials, 2019, 4, .	5.2	54
9	Unconventional magneto-transport in ultrapure PdCoO ₂ and PtCoO ₂ . Npj Quantum Materials, 2018, 3, .	5.2	46
10	Orbital- and Selective Hybridization of Se k_z -Band of Graphene Induced by Electron-Phonon Coupling. Physical Review Letters, 2013, 111, 216806.	7.8	46
11	Ti itinerant ferromagnetism of the Pd-terminated polar surface of PdCoO ₂ . Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12956-12960.	7.1	45
12	Kinks in the $\tilde{\Gamma}_f$ Band of Graphene Induced by Electron-Phonon Coupling. Physical Review Letters, 2013, 111, 216806.	7.8	36
13	Strong electron-phonon coupling in the $\tilde{\Gamma}_f$ band of graphene. Physical Review B, 2017, 95, .	3.2	27
14	Electron-phonon coupling in quasi-free-standing graphene. Journal of Physics Condensed Matter, 2013, 25, 094001.	1.8	25
15	Electronically driven spin-reorientation transition of the correlated polar metal Ca ₃ Ru ₂ O ₇ . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15524-15529.	7.1	25
16	Proximity-induced ferromagnetism and chemical reactivity in few-layer VSe ₂ heterostructures. Physical Review B, 2020, 101, .	3.2	25
17	Probing spin correlations using angle-resolved photoemission in a coupled metallic/Mott insulator system. Science Advances, 2020, 6, eaaz0611.	10.3	24
18	Direct observation of the energy gain underpinning ferromagnetic superexchange in the electronic structure of CrGeTe ₃ . Physical Review B, 2020, 101, .	3.2	23

#	ARTICLE	IF	CITATIONS
37	Disentangling Structural and Electronic Properties in V_2O_3 Thin Films: A Genuine Nonsymmetry Breaking Mott Transition. Nano Letters, 2022, 22, 5990-5996.	9.1	6
38	Resonant photoemission spectroscopy for intermediate band materials. Applied Physics Letters, 2015, 107, 192104.	3.3	5
39	Degradation of the chemotherapy drug 5-fluorouracil on medical-grade silver surfaces. Applied Surface Science, 2018, 435, 1213-1219.	6.1	5
40	Phonon-induced linewidths of graphene electronic states. Physical Review B, 2018, 98, .	3.2	5
41	The occupied electronic structure of ultrathin boron doped diamond. Nanoscale Advances, 2020, 2, 1358-1364.	4.6	5
42	Tautomerization of Thymine Using Ultraviolet Light. Langmuir, 2017, 33, 9666-9672.	3.5	4
43	Measuring spin-polarized electronic states of quantum materials: $2H-NbSe_2$. Physical Review B, 2021, 103, .	3.2	4
44	Thermal migration of alloying agents in aluminium. Materials Research Express, 2016, 3, 116501.	1.6	3
45	Publisher's Note: Kinks in the \tilde{f} Band of Graphene Induced by Electron-Phonon Coupling [Phys. Rev. Lett. 111, 216806 (2013)]. Physical Review Letters, 2013, 111, .	7.8	2
46	Robust p-type doping of copper oxide using nitrogen implantation. Materials Research Express, 2017, 4, 075905.	1.6	2
47	Accelerated ageing of molybdenum oxide. Materials Research Express, 2017, 4, 115502.	1.6	2