

Matteo Minola

List of Publications by Year in descending order

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72
papers

4,306
citations

147566

31
h-index

102304

66
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72
all docs

72
docs citations

72
times ranked

3760
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-collinear and asymmetric polar moments at back-gated SrTiO ₃ interfaces. Communications Physics, 2022, 5, .	2.0	3
2	Paramagnons and high-temperature superconductivity in a model family of cuprates. Nature Communications, 2022, 13, .	5.8	17
3	Dynamic electron correlations with charge order wavelength along all directions in the copper oxide plane. Nature Communications, 2021, 12, 597.	5.8	21
4	Control of the metal-insulator transition in NdNiO_3 thin films through the interplay between structural and electronic properties. Physical Review Materials, 2021, 5, .	0.9	6
5	Interplay between structural and electronic properties with the metal-insulator transition in NdNiO ₃ thin films. Microscopy and Microanalysis, 2021, 27, 144-145.	0.2	0
6	Proximate ferromagnetic state in the Kitaev model material $\hat{\text{I}}\pm\text{-RuCl}_3$. Nature Communications, 2021, 12, 4512.	5.8	47
7	In-plane Isotropy of the Low Energy Phonon Anomalies in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. Journal of the Physical Society of Japan, 2021, 90, 111006.	0.7	2
8	Charge Density Waves in $\text{YBa}_2\text{Cu}_3\text{O}_{6.67}$ Probed by Resonant X-Ray Scattering under Uniaxial Comp. Physical Review Letters, 2021, 126, 037002.	2.9	6
9	Imprint of charge and oxygen orders on Dy ions in DyBa ₂ Cu ₃ O _{6+x} thin films probed by resonant x-ray scattering. Physical Review B, 2020, 102, .	1.1	2
10	High-resolution Analytical STEM of Defects and Interfaces in Beam-sensitive Ultra-thin Cuprate Films. Microscopy and Microanalysis, 2020, 26, 2972-2973.	0.2	0
11	Strain-induced structural transition in DyBa ₂ Cu ₃ O _{7-x} films grown by atomic layer-by-layer molecular beam epitaxy. Applied Physics Letters, 2020, 117, .	1.5	8
12	Structural, Electronic and Magnetic Properties of a Few Nanometer-Thick Superconducting NdBa ₂ Cu ₃ O ₇ Films. Nanomaterials, 2020, 10, 817.	1.9	0
13	Backfolded acoustic phonons as ultrasonic probes in metal-oxide superlattices. Physical Review Materials, 2020, 4, .	0.9	6
14	Raman scattering from current-stabilized nonequilibrium phases in $\text{Ca}_{1-x}\text{Sr}_x\text{Cu}_2\text{O}_7$. Physical Review B, 2019, 100, .	1.2	15
15	Control of the enhancement of exchange interaction and short-range magnetic order in $\text{Sr}_{1-x}\text{Ca}_x\text{Cu}_2\text{O}_7$ investigated by Raman spectroscopy. Physical Review B, 2019, 100, .	1.1	12
16	Improved sample preparation of beam-sensitive ultra-thin cuprate films. Microscopy and Microanalysis, 2019, 25, 686-687.	0.2	4
17	Combined imaging and analytical STEM of ultra-thin cuprate films. Microscopy and Microanalysis, 2019, 25, 1750-1751.	0.2	3
18	Phonon anomalies in pyrochlore iridates studied by Raman spectroscopy. Physical Review B, 2019, 100, .	1.1	23

#	ARTICLE	IF	CITATIONS
19	Resonant Inelastic Soft X-ray Scattering Study of Co-Doped Maghemite Nanoparticles. Journal of Nanoscience and Nanotechnology, 2019, 19, 4980-4986. Polarization-resolved Cu $L_{2,3}$ -edge resonant inelastic x-ray scattering of orbital and spin excitations in NdBa ₂ O ₇ . Physical Review B, 2019, 99, .	0.9	0
20	Resonant inelastic x-ray scattering study of bond order and spin excitations in nickelate thin-film structures. Physical Review B, 2019, 99, .	1.1	35
21	Spin waves and spin-state transitions in a ruthenate high-temperature antiferromagnet. Nature Materials, 2019, 18, 563-567.	13.3	31
22	Granular superconductivity and charge/orbital order in YBa ₂ Cu ₃ O _{7-x} /manganite trilayers. Physical Review Materials, 2019, 3, .	0.9	8
23	Electronic and vibrational signatures of ruthenium vacancies in SrLaCu ₂ thin films. Physical Review Materials, 2019, 3, .	2.9	11
24	X-ray absorption spectroscopy study of annealing process on Sr _{1-x} La _x CuO ₂ electron-doped cuprate thin films. Journal of Applied Physics, 2018, 123, .	1.1	6
25	Direct Visualization and Image Simulations of Oxygen Sublattice Occupancy in Thin Cuprate Films. Microscopy and Microanalysis, 2018, 24, 76-77.	0.2	3
26	Probing the energy gap of high-temperature cuprate superconductors by resonant inelastic x-ray scattering. Npj Quantum Materials, 2018, 3, .	1.8	13
27	Uniaxial pressure control of competing orders in a high-temperature superconductor. Science, 2018, 362, 1040-1044.	6.0	122
28	Coupled Cu and Mn charge and orbital orders in YBa ₂ Cu ₃ O ₇ /Nd _{0.65} (Ca _{1-y} Sr _y) _{0.35} MnO ₃ multilayers. Communications Physics, 2018, 1, .	2.0	7
29	Dispersion, damping, and intensity of spin excitations in the monolayer Bi ₂ Te ₃ . Physical Review B, 2018, 98, .	1.1	16
30	Coupling between dynamic magnetic and charge-order correlations in the cuprate superconductor NdBa ₂ Cu ₃ O _{7-x} . Physical Review B, 2018, 98, .	1.1	33
31	Coexisting first- and second-order electronic phase transitions in a correlated oxide. Nature Physics, 2018, 14, 1056-1061.	6.5	66
32	Site-Selective Probe of Magnetic Excitations in Rare-Earth Nickelates Using Resonant Inelastic X-ray Scattering. Physical Review X, 2018, 8, .	2.8	26
33	Stabilization of three-dimensional charge order in YBa ₂ Cu ₃ O _{6+x} via epitaxial growth. Nature Communications, 2018, 9, 2978.	5.8	34
34	Light-induced metastable state in charge-ordered YBa ₂ Cu ₃ O _{6+x} . Physical Review B, 2018, 98, .	1.1	1
35	Coincident onset of charge-density-wave order at a quantum critical point in underdoped YBa ₂ Cu ₃ O _{6+x} . Physical Review B, 2018, 97, .	1.1	16

#	ARTICLE	IF	CITATIONS
37	Re-entrant charge order in overdoped (Bi,Pb) ₂ 12Sr ₁ 88CuO ₆ + \hat{I} outside the pseudogap regime. Nature Materials, 2018, 17, 697-702.	13.3	93
38	Superconductor sandwiches: cuprate-manganite multilayers with a remarkable new ground state. , 2018, , .		0
39	RixsToolBox: software for the analysis of soft X-ray RIXS data acquired with 2D detectors. Journal of Synchrotron Radiation, 2017, 24, 531-536.	1.0	6
40	Crossover from Collective to Incoherent Spin Excitations in Superconducting Cuprates Probed by Detuned Resonant Inelastic X-Ray Scattering. Physical Review Letters, 2017, 119, 097001.	2.9	26
41	Spin and charge excitations in artificial hole- and electron-doped infinite layer cuprate superconductors. Physical Review B, 2017, 96, .	1.1	17
42	Raman scattering study of vibrational and magnetic excitations in $\text{LaSr}_2\text{CuO}_7$. Physical Review Letters, 2017, 118, 207203.	1.1	36
43	Spin Systems. Physical Review Letters, 2017, 118, 207203.	2.9	15
44	Influence of apical oxygen on the extent of in-plane exchange interaction in cuprate superconductors. Nature Physics, 2017, 13, 1201-1206.	6.5	90
45	Selective formation of apical oxygen vacancies in $\text{LaSr}_2\text{CuO}_7$. Physical Review Materials, 2017, 1, .	0.9	1
46	Doping-dependent charge order correlations in electron-doped cuprates. Science Advances, 2016, 2, e1600782.	4.7	65
47	Long-range charge-density-wave proximity effect at cuprate/manganate interfaces. Nature Materials, 2016, 15, 831-834.	13.3	46
48	Magnetic excitations and phonons simultaneously studied by resonant inelastic x-ray scattering in optimally doped Bi_2TeO_7 . Physical Review B, 2015, 92, .	1.1	28
49	Collective Nature of Spin Excitations in Superconducting Cuprates Probed by Resonant Inelastic X-Ray Scattering. Physical Review Letters, 2015, 114, 217003.	2.9	81
50	The simultaneous measurement of energy and linear polarization of the scattered radiation in resonant inelastic soft x-ray scattering. Review of Scientific Instruments, 2014, 85, 115104.	0.6	43
51	Optical vacancies and the putative chiral state in BaPrNiO_3 . Physical Review B, 2014, 89, .	1.1	36
52	Charge order and its connection with Fermi-liquid charge transport in a pristine high-T _c cuprate. Nature Communications, 2014, 5, 5875.	5.8	259
53	Tunable Charge and Spin Order in PrNiO_3 Thin Films and Superlattices. Physical Review Letters, 2014, 113, 227206.	2.9	91
54	T _c up to 50 K in superlattices of insulating oxides. Superconductor Science and Technology, 2014, 27, 044016.	1.8	14

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55	High-energy spin and charge excitations in electron-doped copper oxide superconductors. Nature Communications, 2014, 5, 3714.	5.8	95
56	Resonant x-ray scattering study of charge-density wave correlations in $YBa_2Cu_3O_6+x$. Physical Review B, 2014, 90, .	1.1	262
57	Dispersive spin excitations in highly overdoped cuprates revealed by resonant inelastic x-ray scattering. Physical Review B, 2013, 88, .	1.1	83
58	Measurement of the effect of lattice strain on magnetic interactions and orbital splitting in CaCuO ₂ using resonant inelastic x-ray scattering. Physical Review B, 2013, 87, .	1.1	8
59	Momentum-Dependent Charge Correlations in $YBa_2Cu_3O_{6+x}$ Probed by Resonant X-Ray Scattering: Evidence for Three Competing Phases. Physical Review Letters, 2013, 110, 187001.	2.9	168
60	Magnetic excitations in stripe-ordered La _{1.875} Ba _{0.125} CuO ₄ studied using resonant inelastic x-ray scattering. Physical Review B, 2013, 88, .	1.1	32
61	Origin of Interface Magnetism in $BiMnO_3$ Bimagnon studies in cuprates with resonant inelastic x-ray scattering at the O K edge. I. Assessment on La ₂ CuO ₇ . Physical Review B, 2012, 85, .	2.9	166
62	Assessment on La ₂ CuO ₇ K edge. I. Physical Review B, 2012, 85, .	1.1	50
63	Magnetic and ligand field properties of copper at the interfaces of (CaCuO ₂) _n /(SrTiO ₃) _n superlattices. Occurrence of a high-temperature superconducting phase in (CaCuO) _{Tj} ETQ ₀ O ₀ rgBT /Overlock 10 Tf 50 407 Td	1.1	16
64	$YBa_2Cu_3O_{6+x}$		