

# 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  
g-index

72  
all docs

72  
docs citations

72  
times ranked

3760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Range Incommensurate Charge Fluctuations in $(Y,Nd)Ba_{2-x}Cu_{3-y}O_{6+z}$ . Science, 2012, 337, 821-825.	6.0	938
2	Intense paramagnon excitations in a large family of high-temperature superconductors. Nature Physics, 2011, 7, 725-730. Resonant x-ray scattering study of charge-density-wave correlations in $YBa_2Cu_3O_{6-x}$ . Physical Review B, 2014, 90.	6.5	349
3	Momentum-Dependent Charge Correlations in $YBa_2Cu_3O_{6-x}$ . Physical Review B, 2014, 90.	1.1	262
4	Charge order and its connection with Fermi-liquid charge transport in a pristine high-Tc cuprate. Nature Communications, 2014, 5, 5875. Distinct Charge Orders in the Planes and Chains of Ortho-II Ordered $YBa_2Cu_3O_{6-x}$ . Physical Review Letters, 2012, 109, 167001.	5.8	259
5	Origin of Interfacial Magnetism in $BiMnO_3$ . Physical Review Letters, 2013, 111, 087204.	2.9	254
6	Energy and symmetry of dd excitations in undoped layered cuprates measured by $Cu L_{2,3}$ resonant inelastic x-ray scattering. New Journal of Physics, 2011, 13, 043026.	1.2	130
7	Uniaxial pressure control of competing orders in a high-temperature superconductor. Science, 2018, 362, 1040-1044.	6.0	122
8	High-energy spin and charge excitations in electron-doped copper oxide superconductors. Nature Communications, 2014, 5, 3714.	5.8	95
9	Re-entrant charge order in overdoped $(Bi,Pb)_{2-x}Sr_{1.88}CuO_6+\delta$ outside the pseudogap regime. Nature Materials, 2018, 17, 697-702.	13.3	93
10	Tunable Charge and Spin Order in $PrNiO_3$ Thin Films and Superlattices. Physical Review Letters, 2014, 113, 227206.	2.9	91
11	Influence of apical oxygen on the extent of in-plane exchange interaction in cuprate superconductors. Nature Physics, 2017, 13, 1201-1206.	6.5	90
12	Dispersive spin excitations in highly overdoped cuprates revealed by resonant inelastic x-ray scattering. Physical Review B, 2013, 88, .	1.1	83
13	Collective Nature of Spin Excitations in Superconducting Cuprates Probed by Resonant Inelastic X-Ray Scattering. Physical Review Letters, 2015, 114, 217003.	2.9	81
14	Momentum and polarization dependence of single-magnon spectral weight for $Cu L_{2,3}$ resonant inelastic x-ray scattering from layered cuprates. Physical Review B, 2010, 81, .	1.1	68
15	Coexisting first- and second-order electronic phase transitions in a correlated oxide. Nature Physics, 2018, 14, 1056-1061.	6.5	66
16	Doping-dependent charge order correlations in electron-doped cuprates. Science Advances, 2016, 2, e1600782.	4.7	65

#	ARTICLE	IF	CITATIONS
19	<p>on studies in cuprates with resonant inelastic x-ray scattering at the <math>K</math> edge. I. Assessment on <math>La_{1-x}K_xCuO_2</math></p> <p>Assessment on <math>La_{1-x}K_xCuO_2</math> edge. I. Assessment on <math>La_{1-x}K_xCuO_2</math></p>	1.1	50
20	<p>Proximate ferromagnetic state in the Kitaev model material <math>\hat{I}\pm</math>-<math>RuCl_3</math>. Nature Communications, 2021, 12, 4512.</p>	5.8	47
21	<p>Long-range charge-density-wave proximity effect at cuprate/manganate interfaces. Nature Materials, 2016, 15, 831-834.</p> <p>Occurrence of a high-temperature superconducting phase in <math>(CaCuO)_x</math></p>	13.3	46
22	<p><math>\dots</math></p>		

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37	Dynamic electron correlations with charge order wavelength along all directions in the copper oxide plane. Nature Communications, 2021, 12, 597.	5.8	21
38	Spin and charge excitations in artificial hole- and electron-doped infinite layer cuprate superconductors. Physical Review B, 2017, 96, .	1.1	17
39	Selective formation of apical oxygen vacancies in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . Physical Review Materials, 2017, 1, .	0.9	8
40	Paramagnons and high-temperature superconductivity in a model family of cuprates. Nature Communications, 2022, 13, .	5.8	17
41	Magnetic and ligand field properties of copper at the interfaces of $(\text{CaCuO}_2)_n/(\text{SrTiO}_3)_n$ superlattices. Physical Review B, 2012, 85, .	1.1	16
42	Coincident onset of charge-density-wave order at a quantum critical point in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . Physical Review B, 2018, 97, .	1.1	16
43	Anisotropy through epitaxial integration of $\text{CaCuO}_2$ and $\text{SrTiO}_3$ . Physical Review B, 2019, 100, .	2.9	15
44	Raman scattering from current-stabilized nonequilibrium phases in $\text{Ca}_{1-x}\text{Sr}_x\text{MnO}_3$ . Physical Review B, 2019, 100, .	1.1	15
45	$T_c$ up to 50 K in superlattices of insulating oxides. Superconductor Science and Technology, 2014, 27, 044016.	1.8	14
46	Probing the energy gap of high-temperature cuprate superconductors by resonant inelastic x-ray scattering. Npj Quantum Materials, 2018, 3, .	1.8	13
47	Compressive strain induced enhancement of exchange interaction and short-range magnetic order in $\text{Sr}_2\text{IrO}_4$ . Physical Review B, 2019, 100, .	1.1	12
48	Resonant inelastic x-ray scattering study of bond order and spin excitations in nickelate thin-film structures. Physical Review B, 2019, 99, .	1.1	11
49	Charge localization at the interface between $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ and the $\text{CaCuO}_2$ infinite layers cuprate $\text{CaCuO}_2$ . Journal of Applied Physics, 2012, 112, .	1.1	10
50	Off-stoichiometry effect on orbital order in $\text{A}_{1-x}\text{B}_x\text{MnO}_3$ -site manganites probed by x-ray absorption spectroscopy. Physical Review B, 2012, 86, .	1.1	9
51	Measurement of the effect of lattice strain on magnetic interactions and orbital splitting in $\text{CaCuO}_2$ using resonant inelastic x-ray scattering. Physical Review B, 2013, 87, .	1.1	8
52	Strain-induced structural transition in $\text{DyBa}_2\text{Cu}_3\text{O}_{7-x}$ films grown by atomic layer-by-layer molecular beam epitaxy. Applied Physics Letters, 2020, 117, .	1.5	8
53	Granular superconductivity and charge/orbital order in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ /manganite trilayers. Physical Review Materials, 2019, 3, .	0.9	8
54	Electronic and vibrational signatures of ruthenium vacancies in $\text{Sr}_{1-x}\text{Ru}_x\text{O}_3$ thin films. Physical Review Materials, 2019, 3, .	0.9	8

#	ARTICLE	IF	CITATIONS
55	Coupled Cu and Mn charge and orbital orders in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /Nd <sub>0.65</sub> (Ca <sub>1-y</sub> Sr <sub>y</sub> ) <sub>0.35</sub> MnO <sub>3</sub> multilayers. Communications Physics, 2018, 1, .	2.0	7
56	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
57	X-ray absorption spectroscopy study of annealing process on Sr <sub>1-x</sub> La <sub>x</sub> CuO <sub>2</sub> electron-doped cuprate thin films. Journal of Applied Physics, 2018, 123, .	1.1	6
58	Control of the metal-insulator transition in NdNiO <sub>3</sub> thin films through the interplay between structural and electronic properties. Physical Review Materials, 2021, 5, .	0.9	6
59	Backfolded acoustic phonons as ultrasonic probes in metal-oxide superlattices. Physical Review Materials, 2020, 4, .	0.9	6
60	Improved sample preparation of beam-sensitive ultra-thin cuprate films. Microscopy and Microanalysis, 2019, 25, 686-687.	0.2	4
61	Direct Visualization and Image Simulations of Oxygen Sublattice Occupancy in Thin Cuprate Films. Microscopy and Microanalysis, 2018, 24, 76-77.	0.2	3
62	Combined imaging and analytical STEM of ultra-thin cuprate films. Microscopy and Microanalysis, 2019, 25, 1750-1751.	0.2	3
63	Non-collinear and asymmetric polar moments at back-gated SrTiO <sub>3</sub> interfaces. Communications Physics, 2022, 5, .	2.0	3
64	Resonant Inelastic X-ray Scattering at the ESRF: Hard and Soft X-rays. Synchrotron Radiation News, 2012, 25, 9-15.	0.2	2
65	Imprint of charge and oxygen orders on Dy ions in DyBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> thin films probed by resonant x-ray scattering. Physical Review B, 2020, 102, .	1.1	2
66	In-plane Isotropy of the Low Energy Phonon Anomalies in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> . Journal of the Physical Society of Japan, 2021, 90, 111006.	0.7	2
67	Light-induced metastable state in charge-ordered YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> . Physical Review B, 2018, 98, .	1.1	1
68	Resonant Inelastic Soft X-ray Scattering Study of Co-Doped Maghemite Nanoparticles. Journal of Nanoscience and Nanotechnology, 2019, 19, 4980-4986.	0.9	0
69	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
70	Structural, Electronic and Magnetic Properties of a Few Nanometer-Thick Superconducting NdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Films. Nanomaterials, 2020, 10, 817.	1.9	0
71	Interplay between structural and electronic properties with the metal-insulator transition in NdNiO <sub>3</sub> thin films. Microscopy and Microanalysis, 2021, 27, 144-145.	0.2	0
72	Superconductor sandwiches: cuprate-manganite multilayers with a remarkable new ground state. , 2018, , .		0