

Marco Moretti Sala

List of Publications by Year in descending order

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97
papers

4,818
citations

136740

32
h-index

95083

68
g-index

98
all docs

98
docs citations

98
times ranked

4641
citing authors

#	ARTICLE	IF	CITATIONS
37	Doping Evolution of Magnetic Order and Magnetic Excitations in $\text{Sr}_{1-x}\text{La}_x\text{VO}_3$. Physical Review B, 2017, 96, .	1.1	17
38	Anisotropic exchange and spin-wave damping in pure and electron-doped Sr_2VO_4 . Physical Review B, 2017, 96, .	2.1	29
39	Spin and charge excitations in artificial hole- and electron-doped infinite layer cuprate superconductors. Physical Review B, 2017, 96, .	1.1	17
40	Long-range interactions in the effective low-energy Hamiltonian of Sr_2IrO_4 : A core-to-core resonant inelastic x-ray scattering study. Physical Review B, 2017, 95, .	1.1	18
41	Possibility to realize spin-orbit-induced correlated physics in iridium fluorides. Physical Review B, 2017, 95, .	1.1	15
42	Parametric Down-Conversion of X Rays into the Optical Regime. Physical Review Letters, 2017, 119, 253902.	2.9	22
43	Direct bulk-sensitive probe of $5f$ symmetry in URu_2Si_2 . Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13989-13994.	3.3	29
44	A compact and versatile dynamic flow cryostat for photon science. Review of Scientific Instruments, 2016, 87, 115103.	0.6	16
45	Persistent Paramagnons Deep in the Metallic Phase of Sr_2VO_4 . Physical Review Letters, 2016, 117, 107001.	2.9	68
46	Resonant X-ray emission with a standing wave excitation. Scientific Reports, 2016, 6, 22648.	1.6	2
47	All-in/all-Out Magnetic Order and Propagating Spin Waves in Sm_2O_7 . Physical Review Letters, 2016, 117, 037201.	2.9	70
48	Anisotropic interactions opposing magnetocrystalline anisotropy in Sr_3VO_7 . Physical Review B, 2016, 93, .	3.1	16
49	CeRu ₄ Sn ₆ : a strongly correlated material with nontrivial topology. Scientific Reports, 2016, 5, 17937.	1.6	32
50	Magnetic excitations and phonons simultaneously studied by resonant inelastic x-ray scattering in optimally doped $\text{Bi}_{1.5}\text{VO}_4$. Physical Review B, 2015, 92, .	1.1	28
51	Evidence of quantum dimer excitations in Sr_3VO_7 . Physical Review B, 2015, 92, .	1.1	44
52	Direct evidence for dominant bond-directional interactions in a honeycomb lattice iridate Na ₂ IrO ₃ . Nature Physics, 2015, 11, 462-466.	6.5	321
53	Temperature dependence of iron local magnetic moment in phase-separated superconducting chalcogenide. Physical Review B, 2014, 90, .	1.1	14
54	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

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55	Orbital occupancies and the putative IrO_2 state in BaIrO_3 . <i>Physical Review Letters</i> , 2014, 112, 176402.	1.1	36
56	A Spin-Orbit Mott Insulator Beyond the CaIrO_3 . <i>Physical Review Letters</i> , 2014, 112, 176402.	2.9	70
57	Crystal field splitting in $\text{Sr}_{n+1}\text{Ir}_n\text{O}_{3n+1}$ ($n=1,2$) iridates probed by x-ray Raman spectroscopy. <i>Physical Review B</i> , 2014, 90, .	1.1	21
58	T_c up to 50 K in superlattices of insulating oxides. <i>Superconductor Science and Technology</i> , 2014, 27, 044016.	1.8	14
59	Study of the electronic and magnetic properties as a function of isoelectronic substitution in $\text{SmFe}_2\text{Ru}_x\text{AsO}_{0.85-x}$. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 065701.	0.7	3
60	Pressure-Induced Changes on The Electronic Structure and Electron Topology in the Direct FCC Si Transformation of Silicon. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1161-1166.	1.5	20
61	Resonant X-Ray Scattering and the IrO_2 Ground State in Iridate Perovskites. <i>Physical Review Letters</i> , 2014, 112, 026403.	2.9	64
62	Temperature dependence of crystal field excitations in CuO . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 165501.	0.7	12
63	Improving the energy resolution of bent crystal X-ray spectrometers with position-sensitive detectors. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 762-767.	1.0	28
64	Study on the reflectivity properties of spherically bent analyser crystals. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 104-110.	1.0	20
65	Locking of iridium magnetic moments to the correlated rotation of oxygen octahedra in Sr_2IrO_4 revealed by x-ray resonant scattering. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 422202.	0.7	86
66	High energy-resolution set-up for Ir L3 edge RIXS experiments. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 188, 150-154.	0.8	29
67	Dispersive spin excitations in highly overdoped cuprates revealed by resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2013, 88, .	1.1	83
68	Orbital superexchange and crystal field simultaneously at play in YVO_4 : Resonant inelastic x-ray scattering at the V L edge and the O K edge. <i>Physical Review B</i> , 2013, 87, .	1.1	24
69	Measurement of the effect of lattice strain on magnetic interactions and orbital splitting in CaCuO_2 using resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2013, 87, .	1.1	8
70	Structural and Electronic Reconstructions at the $\text{LaAlO}_3/\text{SrTiO}_3$ Interface. <i>Advanced Materials</i> , 2013, 25, 2333-2338.	11.1	72
71	Structural changes in amorphous $\text{Ge}_x\text{Si}_y\text{O}_z$ on the way to nanocrystal formation. <i>Nanotechnology</i> , 2013, 24, 165701.	1.3	9
72	X-ray Raman scattering: An exciting tool for the study of matter at conditions of the Earth's interior. <i>Journal of Physics: Conference Series</i> , 2013, 425, 202011.	0.3	9

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73	Study of LiCoO ₂ nanoparticles by hard x-ray emission and absorption spectroscopies. Applied Physics Letters, 2013, 103. Bimagnon studies in cuprates with resonant inelastic x-ray scattering at the O K edge. I. Assessment on La _{2-x} Sr _x CuO ₄ . Physical Review B, 2012, 85, .	1.5	8
74	Coexistence of different electronic phases in the K ₂ Fe ₂ O ₇ . Physical Review B, 2012, 85, .	1.1	50
75	Occurrence of a high-temperature superconducting phase in (CaCuO) _{1-x} F _x . Physical Review B, 2012, 85, .	1.1	24
76	Magnetic and ligand field properties of copper at the interfaces of (CaCuO ₂) _n /(SrTiO ₃) _n superlattices. Physical Review B, 2012, 85, .	1.1	16
77	Coexistence of different electronic phases in the K ₂ Fe ₂ O ₇ . Physical Review B, 2012, 85, .	1.1	26
78	Occurrence of a high-temperature superconducting phase in (CaCuO) _{1-x} F _x . Physical Review B, 2012, 85, .		

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91	Multiple double-exchange mechanism by $\frac{Mn}{2}$ in manganite compounds. Physical Review B, 2010, 82, .	1.1	43
92	Momentum and polarization dependence of single-magnon spectral weight for $\frac{Cu}{L}$ resonant inelastic x-ray scattering from layered cuprates. Physical Review B, 2010, 81, .	1.1	68
93	Epitaxy, stoichiometry, and magnetic properties of Gd-doped EuO films on YSZ (001). Physical Review B, 2009, 80, .	1.1	45
94	Epitaxial and layer-by-layer growth of EuO thin films on yttria-stabilized cubic zirconia (001) using MBE distillation. Physical Review B, 2009, 79, .	1.1	79
95	Momentum Dependence of Orbital Excitations in Mott-Insulating Titanates. Physical Review Letters, 2009, 103, 107205.	2.9	55
96	Theoretical Demonstration of How the Dispersion of Magnetic Excitations in Cuprate Compounds can be Determined Using Resonant Inelastic X-Ray Scattering. Physical Review Letters, 2009, 103, 117003.	2.9	149
97	Crystal field and low energy excitations measured by high resolution RIXS at the L3 edge of Cu, Ni and Mn. European Physical Journal: Special Topics, 2009, 169, 199-205.	1.2	24