

Martin Bluschke

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,014
citations

567144

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docs citations

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times ranked

1590
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen Hole Character and Lateral Homogeneity in PrNiO ₂ + $\hat{\Gamma}$ Thin Films. <i>Frontiers in Physics</i> , 2022, 9, .	1.0	3
2	Dynamic electron correlations with charge order wavelength along all directions in the copper oxide plane. <i>Nature Communications</i> , 2021, 12, 597.	5.8	21
3	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. <i>Physical Review B</i> , 2020, 102, .	1.1	2
4	Controlling Collective Electronic States in Cuprates and Nickelates. Springer Theses, 2020, , .	0.0	0
5	Doping-dependent phonon anomaly and charge-order phenomena in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{HgBa} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle \text{ and } \langle \text{mml:math} \rangle \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{HgBa} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle \rangle \rangle \rangle$ Physical Review B, 2020, 101, .	1.1	4
6	Charge Order in (Ca _x La _{1-x})(Ba _{1.75-x} La _{0.25+x})Cu ₃ O _y Single Crystals. Springer Theses, 2020, , 57-81.	0.0	0
7	Coupling Between 3d and 4f Spin Sublattices in LaNiO ₃ -Based Heterostructures. Springer Theses, 2020, , 119-150.	0.0	0
8	Introduction to Charge Order in the Cuprates. Springer Theses, 2020, , 27-56.	0.0	0
9	Introduction to Antiferromagnetism in Ultrathin Nickelate Layers. Springer Theses, 2020, , 105-117.	0.0	0
10	Charge Order in YBa ₂ Cu ₃ O _{6+x} Thin Films. Springer Theses, 2020, , 83-104.	0.0	0
11	Adiabatic variation of the charge density wave phase diagram in the 123 cuprate (Ca _x La _{1-x})(Ba _{1.75-x} La _{0.25+x})Cu ₃ O _y . <i>Physical Review B</i> , 2019, 100, .	1.1	8
12	Resonant inelastic x-ray scattering study of bond order and spin excitations in nickelate thin-film structures. <i>Physical Review B</i> , 2019, 99, .	1.1	11
13	Tunable perpendicular exchange bias in oxide heterostructures. <i>Physical Review Materials</i> , 2019, 3, .	0.9	15
14	Control of dopant crystallinity in electrochemically treated cuprate thin films. <i>Physical Review Materials</i> , 2019, 3, .	0.9	5
15	Coupling between dynamic magnetic and charge-order correlations in the cuprate superconductor $\langle \text{mml:math} \rangle \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{Nd} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle \rangle \rangle$ Persistent low-energy phonon broadening near the charge order $\langle \text{mml:math} \rangle \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{q} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \rangle \rangle$ vector in the	1.1	33
16	bilayer cuprate $\langle \text{mml:math} \rangle \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{Bi} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle \rangle \rangle$ $\langle \text{mml:math variant="normal"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 8 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:math} \rangle$. <i>Physical Review B</i> , 2018, 98, .	1.1	22
17	Complex magnetic order in nickelate slabs. <i>Nature Physics</i> , 2018, 14, 1097-1102.	6.5	37
18	Coexisting first- and second-order electronic phase transitions in a correlated oxide. <i>Nature Physics</i> , 2018, 14, 1056-1061.	6.5	66

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19	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
20	Light-induced metastable state in charge-ordered YBa ₂ Cu ₃ O _{6+x} . Physical Review B, 2018, 98, .	1.1	1
21	Re-entrant charge order in overdoped (Bi,Pb) ₂ 1.2Sr _{1.88} CuO _{6+δ} outside the pseudogap regime. Nature Materials, 2018, 17, 697-702.	13.3	93
22	Digital modulation of the nickel valence state in a cuprate-nickelate heterostructure. Physical Review Materials, 2018, 2, .	0.9	22
23	Synchrotron x-ray scattering study of charge-density-wave order in $\text{HgBa}_2\text{CuO}_4$. Physical Review B, 2017, 96, .	2.9	15
24	Transfer of Magnetic Order and Anisotropy through Epitaxial Integration of $\text{d}_{x^2-y^2}$ and d_{xy} Spin Systems. Physical Review Letters, 2017, 118, 207203.	4.7	65
25	Doping-dependent charge order correlations in electron-doped cuprates. Science Advances, 2016, 2, e1600782.	1.1	38
26	Quantitative determination of bond order and lattice distortions in nickel oxide heterostructures by resonant x-ray scattering. Physical Review B, 2016, 93, .	13.3	46
27	Long-range charge-density-wave proximity effect at cuprate/manganate interfaces. Nature Materials, 2016, 15, 831-834.	2.9	91
28	Tunable Charge and Spin Order in PrNiO_3 Thin Films and Superlattices. Physical Review Letters, 2014, 113, 227206.	1.1	262
29	$\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. Physical Review B, 2014, 90, .	11.1	58
30	Element Specific Monolayer Depth Profiling. Advanced Materials, 2014, 26, 6554-6559.		