

Friederike Wrobel

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

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23
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docs citations

23
times ranked

424
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study of LaNiO ₃ /LaAlO ₃ heterostructures grown by pulsed laser deposition and oxide molecular beam epitaxy. Applied Physics Letters, 2017, 110, .	1.5	29
2	Digital modulation of the nickel valence state in a cuprate-nickelate heterostructure. Physical Review Materials, 2018, 2, .	0.9	22
3	Antiferromagnetic Spin Correlations Between Corner-Shared [FeO ₅] ⁷⁺ and [FeO ₆] ⁹⁺ Units, in the Novel Iron-Based Compound: BaYFeO ₄ . Inorganic Chemistry, 2013, 52, 2671-2677.	1.9	21
4	Partial Spin Ordering and Complex Magnetic Structure in BaYFeO ₄ : A Neutron Diffraction and High Temperature Susceptibility Study. Inorganic Chemistry, 2014, 53, 1122-1127.	1.9	20
5	Superconductivity drives magnetism in $\hat{\Gamma}$ -doped $\text{La}_{2-x}\text{NiO}_7$. Physical Review B, 2018, 97, .	1.1	18
6	Doped NiO: The mottness of a charge transfer insulator. Physical Review B, 2020, 101, .	1.1	16
7	Observation of an antiferromagnetic quantum critical point in high-purity LaNiO ₃ . Nature Communications, 2020, 11, 1402.	5.8	16
8	Perovskite substrates boost the thermopower of cobaltate thin films at high temperatures. Applied Physics Letters, 2017, 110, .	1.5	14
9	<i>In situ</i> x-ray and electron scattering studies of oxide molecular beam epitaxial growth. APL Materials, 2020, 8, .	2.2	13
10	High-Temperature Thermoelectricity in LaNiO ₃ /La ₂ CuO ₄ Heterostructures. ACS Applied Materials & Interfaces, 2018, 10, 22786-22792.	4.0	12
11	Local metallic and structural properties of the strongly correlated metal LaNiO ₃ using ^8Li $\hat{\Gamma}$ -NMR. Physical Review B, 2019, 100, .	1.1	10
12	Origin of the 2D Electron Gas at the SrTiO ₃ Surface. Advanced Materials, 2022, 34, e2200866.	11.1	8
13	Unexpected effects of thickness and strain on superconductivity and magnetism in optimally doped $\text{La}_{2-x}\text{NiO}_7$ thin films. Physical Review B, 2018, 97, .	1.1	6
14	Counter-thermal flow of holes in high-mobility LaNiO_3 thin films. Physical Review B, 2019, 99, .	1.1	6
15	Interface creation on a mixed-terminated perovskite surface. Applied Physics Letters, 2021, 118, .	1.5	6
16	Local structure of potassium doped nickel oxide: A combined experimental-theoretical study. Physical Review Materials, 2019, 3, .	0.9	6
17	Oxide molecular beam epitaxy of complex oxide heterointerfaces. , 2018, , 53-78.		4
18	<i>In situ</i> study on the evolution of atomic and electronic structure of LaTiO_3 system. Physical Review Materials, 2022, 6, .	0.9	3

#	ARTICLE	IF	CITATIONS
19	Self-healing Growth of LaNiO_3 on a Mixed-Terminated Perovskite Surface. ACS Applied Materials & Interfaces, 2022, 14, 16928-16938.	4.0	4
20	On the Development of Order and Interfaces during the Growth of Ultrathin La_2CuO_4 Films by Molecular Beam Epitaxy. ACS Applied Electronic Materials, 0, , .	2.0	2
21	Atomic-scale Considerations on LaNiO_3 - La_2CuO_4 Heterostructures: Interfaceâ€™thermoelectricity Relationship. Microscopy and Microanalysis, 2020, 26, 2626-2627.	0.2	0