

Jennifer Fowlie

List of Publications by Year in descending order

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16
papers

589
citations

1163117

8
h-index

1058476

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17
all docs

17
docs citations

17
times ranked

1074
citing authors

#	ARTICLE	IF	CITATIONS
1	Rare-earth nickelates $R\text{NiO}_3$: thin films and heterostructures. Reports on Progress in Physics, 2018, 81, 046501.	20.1	291
2	Interfacial Control of Magnetic Properties at $\text{LaMnO}_3/\text{LaNiO}_3$ Interfaces. Nano Letters, 2015, 15, 7355-7361.	9.1	87
3	Conductivity and Local Structure of LaNiO_3 Thin Films. Advanced Materials, 2017, 29, 1605197.	21.0	63
4	Length scales of interfacial coupling between metal and insulator phases in oxides. Nature Materials, 2020, 19, 1182-1187.	27.5	42
5	Thickness-Dependent Perovskite Octahedral Distortions at Heterointerfaces. Nano Letters, 2019, 19, 4188-4194.	9.1	25
6	Coupling Lattice Instabilities Across the Interface in Ultrathin Oxide Heterostructures. , 2020, 2, 389-394.		15
7	Dynamics of the electrically induced insulator-to-metal transition in rare-earth nickelates. Physical Review B, 2021, 104, .	3.2	14
8	Vibrational properties of LaNiO_3 films in the ultrathin regime. APL Materials, 2020, 8, .	5.1	13
9	Near-Atomic-Scale Mapping of Electronic Phases in Rare Earth Nickelate Superlattices. Nano Letters, 2021, 21, 2436-2443.	9.1	12
10	Probing photoinduced rearrangements in the NdNiO_3 magnetic spiral with polarization-sensitive ultrafast resonant soft x-ray scattering. Physical Review B, 2020, 102, .	3.2	7
11	Crossover between distinct symmetries in solid solutions of rare earth nickelates. APL Materials, 2021, 9, .	5.1	6
12	Machines for Materials and Materials for Machines: Metal-Insulator Transitions and Artificial Intelligence. Frontiers in Physics, 2021, 9, .	2.1	5
13	Optical properties of LaNiO_3 films tuned from compressive to tensile strain. Physical Review B, 2020, 102, .	3.2	4
14	STEM-EELS Investigation of Charge and Strain Distributions in Perovskite Oxide Thin Films. Microscopy and Microanalysis, 2017, 23, 1610-1611.	0.4	2
15	Introduction to Thin Film Physics. Springer Theses, 2019, , 9-17.	0.1	0
16	Introduction to the Nickelates. Springer Theses, 2019, , 19-30.	0.1	0