

Andrew J Millis

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

960
citations

623734

14
h-index

752698

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g-index

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all docs

20
docs citations

20
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial charge transfer and persistent metallicity of ultrathin SrIrO ₃ /SrRuO ₃ heterostructures. Science Advances, 2022, 8, eabj0481.	10.3	15
2	Superconductivity and antiferromagnetism in NdNiO ₃ and CaCuO ₂ : A cluster DMFT study. Physical Review B, 2022, 105, .	3.2	18
3	Quantifying the role of the lattice in metal-insulator phase transitions. Communications Physics, 2022, 5, .	5.3	17
4	Anti-Poiseuille flow: Increased vortex velocity at superconductor edges. Physical Review B, 2022, 105, .	3.2	1
5	Trigonal symmetry breaking and its electronic effects in the two-dimensional dhalides MX ₂ and trihalides MX ₃ . Physical Review B, 2022, 105, .	3.2	9
6	Moiré heterostructures as a condensed-matter quantum simulator. Nature Physics, 2021, 17, 155-163.	16.7	317
7	Dependence of DFT+DMFT results on the construction of the correlated orbitals. Physical Review B, 2021, 103, .	3.2	12
8	Chiral approximation to twisted bilayer graphene: Exact intravalley inversion symmetry, nodal structure, and implications for higher magic angles. Physical Review Research, 2021, 3, .	3.6	49
9	Imaging the coherent propagation of collective modes in the excitonic insulator Ta ₂ NiSe ₅ at room temperature. Science Advances, 2021, 7, .	10.3	29
10	Exact Landau Level Description of Geometry and Interaction in a Flatband. Physical Review Letters, 2021, 127, 246403.	7.8	56
11	Length scales of interfacial coupling between metal and insulator phases in oxides. Nature Materials, 2020, 19, 1182-1187.	27.5	42
12	Ground-State Properties of the Hydrogen Chain: Dimerization, Insulator-to-Metal Transition, and Magnetic Phases. Physical Review X, 2020, 10, .	8.9	42
13	Nonlinear Spectroscopy of Collective Modes in an Excitonic Insulator. Physical Review Letters, 2020, 125, 257601.	7.8	13
14	Collective modes in excitonic insulators: Effects of electron-phonon coupling and signatures in the optical response. Physical Review B, 2020, 101, .	3.2	32
15	Nature of Symmetry Breaking at the Excitonic Insulator Transition: $\langle \mathbf{Ta} \rangle^2$. Physical Review Letters, 2020, 124, 197601.	7.8	73
16	Electromagnetic coupling in tight-binding models for strongly correlated light and matter. Physical Review B, 2020, 101, .	3.2	63
17	Metal-insulator and magnetic phase diagram of Ca ₂ from auxiliary field quantum Monte Carlo and dynamical mean field theory. Physical Review B, 2020, 101, .	3.2	9
18	Many-Body Electronic Structure of NdNiO ₃ and CaCuO ₂ . Physical Review X, 2020, 10, .	8.9	89

#	ARTICLE	IF	CITATIONS
19	<p>Computative many-body study of PrO_8 and NdNiO_2</p> <p>Physical Review Letters 2020, 125, 175701</p>	3.2	36
20	<p>Disentangling lattice and electronic contributions to the metal-insulator transition from bulk vs. layer confined RNiO_3. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14434-14439.</p>	7.1	28