

Philip J Ryan

List of Publications by Year in descending order

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1,202
citations

759233

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713466

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docs citations

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times ranked

2076
citing authors

#	ARTICLE	IF	CITATIONS
1	Local Atomic Configuration Control of Superconductivity in the Undoped Pnictide Parent Compound BaFe ₂ As ₂ . ACS Applied Electronic Materials, 2022, 4, 1511-1517.	4.3	2
2	Controllable Emergent Spatial Spin Modulation in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mi} \text{Sr} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mn} \text{2} \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \text{In Situ} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \text{Shear Strain. Physical Review Letters, 2022, 129, .$	7.8	4
3	Self-Assembled Periodic Nanostructures Using Martensitic Phase Transformations. Nano Letters, 2021, 21, 1246-1252.	9.1	9
4	The transportâ€“structural correspondence across the nematic phase transition probed by elasto X-ray diffraction. Nature Materials, 2021, 20, 1519-1524.	27.5	16
5	Template Engineering of Metal-to-Insulator Transitions in Epitaxial Bilayer Nickelate Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 54466-54475.	8.0	5
6	Comprehensive Electrical Control of Metamagnetic Transition of a Quasiâ€“2D Antiferromagnet by In Situ Anisotropic Strain. Advanced Materials, 2020, 32, e2002451.	21.0	10
7	Suppression of superconductivity by anisotropic strain near a nematic quantum critical point. Nature Physics, 2020, 16, 1189-1193.	16.7	39
8	Superconductivity in undoped BaFe ₂ As ₂ by tetrahedral geometry design. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21170-21174.	7.1	13
9	Direct Evidence of the Competing Nature between Electronic and Lattice Breathing Order in Rare-Earth Nickelates. Physical Review Letters, 2020, 124, 127601.	7.8	4
10	Strain-Modulated Slater-Mott Crossover of Pseudospin-Half Square-Lattice in (SrIrO ₃) ₁ /(SrTiO ₃) ₁ Superlattices. Physical Review Letters, 2020, 124, 177601.	7.8	10
11	Anomalous magnetoresistance due to longitudinal spin fluctuations in a Jeffâ€“1/2 Mott semiconductor. Nature Communications, 2019, 10, 5301.	12.8	12
12	Epitaxial growth and antiferromagnetism of Sn-substituted perovskite iridate SrIr _{0.8} Sn _{0.2} O ₃ . Physical Review Materials, 2019, 3, .	2.4	1
13	Engineering SrSnO ₃ Phases and Electron Mobility at Room Temperature Using Epitaxial Strain. ACS Applied Materials & Interfaces, 2018, 10, 43802-43808.	8.0	37
14	Control of Epitaxial BaFe ₂ As ₂ Atomic Configurations with Substrate Surface Terminations. Nano Letters, 2018, 18, 6347-6352.	9.1	16
15	Giant magnetic response of a two-dimensional antiferromagnet. Nature Physics, 2018, 14, 806-810.	16.7	44
16	Effects of biaxial strain on the improper multiferroicity in LuFeO ₃ films studied using the restrained thermal expansion method. Physical Review B, 2017, 95, .	3.2	14
17	On the structural origin of the single-ion magnetic anisotropy in LuFeO ₃ . Journal of Physics Condensed Matter, 2016, 28, 156001.	1.8	20
18	Structural and electronic origin of the magnetic structures in hexagonal LuFeO ₃ . Physical Review B, 2014, 90, .	3.2	38

#	ARTICLE	IF	CITATIONS
19	Emergent Superstructural Dynamic Order due to Competing Antiferroelectric and Antiferrodistortive Instabilities in Bulk EuTiO_3 . Physical Review Letters, 2013, 110, 027201.	7.8	57
20	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. Nature, 2011, 476, 114-114.	27.8	183
21	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. Nature, 2010, 466, 954-958.	27.8	668