

Nicholas P Breznay

List of Publications by Year in descending order

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papers

794
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687363

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all docs

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21
times ranked

1371
citing authors

#	ARTICLE	IF	CITATIONS
1	A strange metal emerges from a failed superconductor. Nature, 2022, 601, 198-199.	27.8	0
2	Magnon-spinon dichotomy in the Kitaev hyperhoneycomb $\text{Pr}_2\text{Ir}_2\text{O}_7$. Physical Review B, 2021, 103, .	3.2	14
3	Competition between magnetic order and charge localization in Na_2IrO_4 thin crystal devices. Physical Review B, 2020, 101, .	3.2	14
4	High-temperature magnetic anomaly in the Kitaev hyperhoneycomb compound $\text{Pr}_2\text{Ir}_2\text{O}_7$. Physical Review B, 2020, 101, .	3.2	14
5	Evolution of charge order topology across a magnetic phase transition in cuprate superconductors. Nature Physics, 2019, 15, 335-340.	16.7	21
6	Persistence of spin memory in a crystalline, insulating phase-change material. Npj Quantum Materials, 2019, 4, .	5.2	13
7	Interplay of structure and charge order revealed by quantum oscillations in thin films of $\text{Pr}_2\text{Ir}_2\text{O}_7$. Physical Review B, 2019, 100, .	3.2	14
8	Particle-hole symmetry reveals failed superconductivity in the metallic phase of two-dimensional superconducting films. Science Advances, 2017, 3, e1700612.	10.3	46
9	Resonant x-ray scattering reveals possible disappearance of magnetic order under hydrostatic pressure in the Kitaev candidate $\text{Pr}_2\text{Ir}_2\text{O}_7$. Physical Review B, 2017, 96, .	3.2	35
10	Robust spin correlations at high magnetic fields in the harmonic honeycomb iridates. Nature Communications, 2017, 8, 180.	12.8	28
11	Correlated states in Li_2IrO_3 driven by applied magnetic fields. Nature Communications, 2017, 8, 961.	12.8	43
12	Superconductor to weak-insulator transitions in disordered tantalum nitride films. Physical Review B, 2017, 96, .	3.2	13
13	Scaling between magnetic field and temperature in the high-temperature superconductor $\text{BaFe}_2(\text{As}_{1-x}\text{P}_x)_2$. Nature Physics, 2016, 12, 916-919.	16.7	92
14	Shubnikov-de Haas quantum oscillations reveal a reconstructed Fermi surface near optimal doping in a thin film of the cuprate superconductor $\text{Pr}_{1.86}\text{Ce}_{0.14}\text{CuO}_4$. Physical Review B, 2016, 94, .	3.2	16
15	Self-duality and a Hall-insulator phase near the superconductor-to-insulator transition in indium-oxide films. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 280-285.	7.1	37
16	Realization of a three-dimensional spin $\frac{1}{2}$ anisotropic harmonic honeycomb iridate. Nature Communications, 2014, 5, 4203.	12.8	230
17	Observation of the ghost critical field for superconducting fluctuations in a disordered TaN thin film. Physical Review B, 2013, 88, .	3.2	12
18	Hall conductivity dominated by fluctuations near the superconducting transition in disordered thin films. Physical Review B, 2012, 86, .	3.2	24

#	ARTICLE	IF	CITATIONS
19	<p> Circular antilocalization and disorder-enhanced electron interactions in annealed films of the phase-change compound $\text{GeSbTe}_{2/4}$ </p> <p> Physical Review B, 2012, 86, . </p>	3.2	62
20	<p> Approach to a superconductor-to-Bose-insulator transition in disordered films. </p> <p> Physical Review B, 2008, 77, . </p>	3.2	91