

Nicholas P Breznay

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

794
citations

687363

13
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1371
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Realization of a three-dimensional spin ¹ anisotropic harmonic honeycomb iridate. Nature Communications, 2014, 5, 4203. | 12.8 | 230 |
| 2 | Scaling between magnetic field and temperature in the high-temperature superconductor BaFe ₂ (As _{1-x} P _x) ₂ . Nature Physics, 2016, 12, 916-919. | 16.7 | 92 |
| 3 | Approach to a superconductor-to-Bose-insulator transition in disordered films. Physical Review B, 2008, 77, . | 3.2 | 91 |
| 4 | Weak antilocalization and disorder-enhanced electron interactions in annealed films of the phase-change compound GeSb ₂ Te. Physical Review B, 2012, 86, . | 3.2 | 62 |
| 5 | Particle-hole symmetry reveals failed superconductivity in the metallic phase of two-dimensional superconducting films. Science Advances, 2017, 3, e1700612. | 10.3 | 46 |
| 6 | Correlated states in ¹ Li ₂ IrO ₃ driven by applied magnetic fields. Nature Communications, 2017, 8, 961. | 12.8 | 43 |
| 7 | 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 |
| 8 | 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 |
| 9 | Robust spin correlations at high magnetic fields in the harmonic honeycomb iridates. Nature Communications, 2017, 8, 180. | 12.8 | 28 |
| 10 | Hall conductivity dominated by fluctuations near the superconducting transition in disordered thin films. Physical Review B, 2012, 86, . | 3.2 | 24 |
| 11 | Evolution of charge order topology across a magnetic phase transition in cuprate superconductors. Nature Physics, 2019, 15, 335-340. | 16.7 | 21 |
| 12 | Shubnikov-de Haas quantum oscillations reveal a reconstructed Fermi surface near optimal doping in a thin film of the cuprate superconductor Pr _{1.86} CeO _{1.4} CuO _{4±δ} . Physical Review B, 2016, 94, . | 3.2 | 16 |
| 13 | Magnon-spinon dichotomy in the Kitaev hyperhoneycomb $\text{Pr}_2\text{Ir}_2\text{O}_7$. Physical Review B, 2021, 103, . | 3.2 | 14 |
| 14 | Superconductor to weak-insulator transitions in disordered tantalum nitride films. Physical Review B, 2017, 96, . | 3.2 | 13 |
| 15 | Persistence of spin memory in a crystalline, insulating phase-change material. Npj Quantum Materials, 2019, 4, . | 5.2 | 13 |
| 16 | Observation of the ghost critical field for superconducting fluctuations in a disordered TaN thin film. Physical Review B, 2013, 88, . | 3.2 | 12 |
| 17 | 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 | 11 |
| 18 | Competition between magnetic order and charge localization in Na_2IrO_6 thin crystal devices. Physical Review B, 2020, 101, . | 3.2 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Interplay of structure and charge order revealed by quantum oscillations in thin films of $\text{Pr}_{1-x}\text{Ce}_x\text{Co}_2$. Physical Review B, 2019, 100, . | 22.1 | 0 |
| 20 | A strange metal emerges from a failed superconductor. Nature, 2022, 601, 198-199. | 27.8 | 0 |