

Bernhard Keimer – Publications

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- [507] P. Puphal, T. Schäfer, B. Keimer, M. Hepting
Superconductivity in infinite-layer and Ruddlesden–Popper nickelates
[Nature Reviews Physics 8, 70–85 \(2026\)](#)
- [506] M. Sundermann, M. Harder, A.H. Said, B. Keimer, and H. Gretarsson
Dispersion-compensated Rowland spectrometer: implications for uranium VB-RIXS
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- [505] S. Abadi, K.J. Xu, E.G. Lomeli, P. Puphal, M. Isobe, Y. Zhong, A.V. Fedorov, S.-K. Mo, M.Hashimoto, D.-H. Lu, B. Moritz, B. Keimer, T.P. Devereaux, M. Hepting, Z.-X. Shen
Electronic Structure of the Alternating Monolayer-Trilayer Phase of $\text{La}_3\text{Ni}_2\text{O}_7$
[Physical Review Letters 134, 126001 \(2025\)](#)
- [504] N.D. Andriushin, J. Grumbach, A.A. Kulbakov, Y.V. Tymoshenko, Y.A. Onykienko, R. Firouzmandi, E. Cheng, S. Granovsky, Y. Skourski, J. Ollivier, H.C. Walker, V. Kocsis, B. Buchner, B. Keimer, M. Doerr, D.S. Inosov, D. C. Peets
Anomalous Quasielastic Scattering Contribution in the Centrosymmetric Multi-Helomagnet SrFeO_3
[Physical Review X 15, 011038 \(2025\)](#)
- [503] D. Betto, S. Nakata, F. Pisani, Y. Liu, S. Hameed, M. Knauff, C.T. Lin, R. Sant, K. Kummer, F. Yakhou, N.B. Brookes, M. Le Tacon, B. Keimer, and M. Minola
Coincident onset of charge order and pseudogap in a homogeneous high-temperature superconductor
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- [502] G. S. Boebinger, A. V. Chubukov, I. R. Fisher, F. M. Grosche, P. J. Hirschfeld, S. R. Julian, B. Keimer, S. A. Kivelson, A. P. Mackenzie, Y. Maeno, J. Orenstein, B. J. Ramshaw, S. Sachdev, J. Schmalian, and M. Vojta
Hydride superconductivity is here to stay
[Nature Reviews Physics 7, 2–3 \(2025\)](#)
- [501] S. Hameed, Y. Liu, K. S. Rabinovich, G. Kim, M. Neumann, P. Wochner, G. Christiani, G. Logvenov, K. Higuchi, N. B. Brookes, E. Weschke, F. Yakhou-Harris, A. V. Boris, B. Keimer, and M. Minola
Interplay between electronic and atomic short-range order in $\text{La}_{2-x}\text{Ca}_x\text{CuO}_{4-\delta}$: Temperature and doping dependence
[Physical Review B 112, L161114 \(2025\)](#)
- [500] S. Hayashida, H. Gretarsson, P. Puphal, M. Isobe, E. Goering, Y. Matsumoto, J. Nuss, H. Takagi, M. Hepting, B. Keimer
Magnetic ground state of the dimer-based hexagonal perovskite $\text{Ba}_3\text{ZnRu}_2\text{O}_9$
[Physical Review B 111, 104418 \(2025\)](#)
- [499] L.B. Little, J. Coulter, R. Kang, I. Zeljkovic, D. Huang, Can-Li Song, T. Loew, Han-Jong Chia, J.D. Hoffman, J.T. Markert, B. Keimer, B. Kozinsky, and J.E. Hoffman
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[Physical Review B **111**, 115152 \(2025\)](#)
- [497] R.A. Ortiz, N. Enderlein, K. Fürsich, R. Pons, P. Radhakrishnan, E. Schierle, P. Wochner, G. Logvenov, G. Cristiani, P. Hansmann, B. Keimer, E. Benckiser
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- [496] M. Oudah, D. Takegami, S. Kitao, J.L. Lado, A. Meléndez-Sans, D.S. Christovam, M. Yoshimura, Ku-Ding Tsuei, G. McNally, M. Isobe, K. Küster, M. Seto, B. Keimer, D.A. Bonn, L.H. Tjeng, G. Sawatzky, and H. Takagi
Charge-entropy-stabilized selenide $\text{Ag}_x\text{Sn}_{1-x}\text{Se}$
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- [492] X. Shi, Y.-S. Zhang, D. Huang, M. Isobe, H. Takagi, B. Keimer, and A. V. Boris
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[Phys. Rev. Lett. **135**, 156503 \(2025\)](#)
- [491] S. Shrestha, M. Souri, C.J. Dietl, E.M. Pärshcke, M. Krautloher, G.A. Calderon Ortiz, M. Minola, X. Shi, A.V Boris, J. Hwang, G. Khaliullin, G. Cao, B. Keimer, J.-W. Kim, J. Kim, A. Seo
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- [489] M. Sundermann, H. Hahn, D.S. Christovam, M.W. Haverkort, R. Caciuffo, B. Keimer, L. H. Tjeng, A. Severing, H. Gretarsson
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[Phys. Rev. Applied 24, 034014 \(2025\)](#)
- [486] C. Yang, R.A. Ortiz, H. Wang, W. Sigle, K. Anggara, E. Benckiser, B. Keimer, P. van Aken
Atomic-scale observation of geometric reconstruction in a fluorine-intercalated infinite layer nickelate superlattice
[Nature Communications 16, 3277 \(2025\)](#)
- [485] R. Zhou, I. Vinograd, M. Hirata, T. Wu, H. Mayaffre, S. Krämer, W.N. Hardy, R. Liang, D. A. Bonn, T. Loew, J. Porras, B. Keimer, M.-H. Julien
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[Science Advances 10, eadn3880 \(2024\)](#)
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