

DANFENG LI
Department of Physics
City University of Hong Kong
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ACADEMIC QUALIFICATIONS

- Ph.D. in Physics, University of Geneva, 2016
Advisor: Prof. Jean-Marc Triscone
Dissertation: *Electronic Properties of the LaAlO₃-SrTiO₃ Interfaces and Related Heterostructures*
- M.Phil. in Applied Physics, The Hong Kong Polytechnic University, 2011
Advisor: Prof. Ji-yan Dai
Thesis: *Pulsed-laser Deposition of Perovskite Polar Oxide Films on SrTiO₃ and Study of Interfacial Transport Properties*
- B.Eng. in Materials Science and Engineering, Zhejiang University, 2008

PRESENT & PAST ACADEMIC POSITIONS

City University of Hong Kong	Assistant Professor	(11.2020 – Present)
Stanford University	Postdoctoral Fellow (Advisor: Harold Hwang)	(02.2017 – 10.2020)
University of Geneva	Postdoctoral Scholar (Advisor: Jean-Marc Triscone)	(11.2016 – 01.2017)
University of Geneva	Graduate Research Assistant (Advisor: Jean-Marc Triscone)	(04.2011 – 10.2016)
The Hong Kong Polytechnic University	Research Assistant (Advisor: Ji-yan Dai)	(09.2010 – 01.2011)

PREVIOUS RELEVANT RESEARCH WORK

Condensed-matter physics and materials science: Low-dimensional superconductivity; Pulsed-laser deposition; Cuprate/nickelate superconductors; Atomic-scale fabrication of oxide heterostructures and nanomembranes; Oxide interfaces physics; Synthesis of unconventional quantum materials; Novel superconductors by design.

PRIZES & AWARDS

- MIT Technology Review 35 Innovators Under 35, *MIT TR35 China* (2021)
- Finalist of “Falling Walls”, *“Falling Walls” Foundation* (2020)
- Early Postdoc.Mobility Fellowship, *Swiss National Science Foundation* (2016)
- Chinese Government Award for Outstanding Self-Financed Chinese Students Abroad, *Chinese Scholarship Council* (2015)
- Finalist of the 10th “Chuihui Cup” *Innovation and Entrepreneurship Competition* (2015)
- Distinguished Graduate from *Zhejiang University* (2008)

RESEARCH GRANTS

2023	Collaborative Research Fund	\$11.75M	Research Grants Council / CityU	PC
2022	Guangdong Basic Research & Applied Basic Research Grant	RMB 100k	Department of Science and Technology of Guangdong Province	PI
2022	General Research Fund	\$870k	Research Grants Council	PI
2022	HKIAS Seed Fund for Functional Materials	\$400k	Hong Kong Institute for Advanced Study	PI
2021	‘Rising Star’ in Physics	\$400k	Hong Kong Institute for Advanced Study	PI
2021	NSFC General Fund	RMB 610k	National Science Foundation of China	PI
2021	Early Career Scheme	\$720k	Research Grants Council	PI
2021	Teaching Start-up Grant	\$120k	CityU	PI
2021	Strategic Interdisciplinary Research Grant	\$300k	CityU	PI

PROFESSIONAL ACTIVITIES

- Member of Early Career Editorial Advisory Board to *Applied Physics Letters*
- Member of the Organizing Committee for 2022 HK Tech Forum on “Quantum Physics and Complex Systems”
- Symposium Organizer for “NM01 Superconductors as Quantum Materials” of Materials Research Society Spring Meeting 2021, Phoenix (Remote), USA
- Member of American Physical Society, Materials Research Society, American Chemical Society

PUBLICATION RECORDS

*Corresponding author

1. Y. Wu[#], **D. F. Li[#]**, C.-L. Wu[#], H. Y. Hwang*, and Y. Cui*, Electrostatic gating and intercalation in 2D materials, *Nature Review Materials* **8**, 41-53 (2023).
2. J. Shen, Z. Dong, M.-Q. Qi, Y. Zhang, C. Zhu, Z. P. Wu*, and **D. F. Li***, Observation of Moiré patterns in twisted stacks of bilayer perovskite oxide nanomembranes with various lattice symmetries, *ACS Applied Materials & Interfaces* **14**, 50386 (2022).
3. J. Fowlie*, M. Hadjimichael, M. M. Martins, **D. F. Li**, M. Osada, B. Y. Wang, K. Lee, Y. Lee, Z. Salman, T. Prokscha, J.-M. Triscone, H. Y. Hwang*, and A. Suter*, Intrinsic magnetism in superconducting infinite-layer nickelates, *Nature Physics* **18**, 1043 (2022).
4. Y. Yang, H. Zhu, L. Wang, Y. Jiang, T. Wang, C. Liu, B. Li, W. Tang, Z. P. Wu*. Z. B. Yang*, **D. F. Li***, “In-depth investigation of low-energy proton irradiation effect on the structural and photoresponse properties of ϵ -Ga₂O₃ thin films”, *Materials & Design* **221**, 110944 (2022).
5. Z. Chen*, M. Osada, **D. Li**, E. M. Been, S.-D. Chen, M. Hashimoto, D. Lu, S.-K. Mo, K. Lee, B. Y. Wang, F. Rodolakis, J. L. McChesney, C. J. Jia, B. Moritz, T. P. Devereaux, H. Y. Hwang, and Z.-X. Shen*, “Electronic structure of superconducting nickelates probed by resonant photoemission spectroscopy”, *Matter* **5**, 1806-1815 (2022).
6. Z. Dong, H. Chen, M. Qi, J. Shen, W. Liu, E.-J. Guo, **D. F. Li**, Y. Zhang*, and Z. P. Wu*, Enhanced upconversion photoluminescence assisted by flexoelectric field in oxide nanomembranes, *Laser & Photonics Reviews* **16**, 2100454 (2022).

7. Y.-T. Hsu*, M. Osada, B. Y. Wang, M. Berben, C. Duffy, S. P. Harvey, K. Lee, **D. Li**, S. Wiedmann, H. Y. Hwang, and N. E. Hussey, Correlated insulating behavior in infinite-layer nickelates, *Frontiers in Physics* **10**, 846639 (2022).
8. H. Zhu, Y. Tang, K. M. Wiaderek, O. J. Borkiewicz, Y. Ren, J. Zhang, J. Ren, L. Fan, C. C. Li, **D. Li**, X.-L. Wang, and Qi Liu*, Spontaneous strain buffer enables superior cycling stability in single-crystal nickel-rich NCM cathode, *Nano Letters* **21**, 9997 (2021).
9. M. Osada*, B. Y. Wang, B. H. Goodge, S. P. Harvey, K. Lee, **D. Li**, L. F. Kourkoutis, and H. Y. Hwang*, Nickelate superconductivity without rare-earth magnetism: (La,Sr)NiO₂, *Advanced Materials* **33**, 2104083 (2021).
10. Y. Hsu*, B. Y. Wang, M. Berben, **D. Li**, K. Lee, C. Duffy, T. Ottenbros, W. J. Kim, M. Osada, S. Wiedmann, H. Y. Hwang*, and N. E. Hussey*, Insulator-to-metal crossover near the edge of the superconducting dome in Nd_{1-x}Sr_xNiO₂, *Physical Review Research* **3**, L042015 (2021).
11. H. Lu, M. Rossi, A. Nag, M. Osada, **D. Li**, K. Lee, B. Y. Wang, M. Garcia-Fernandez, S. Agrestini, Z.-X. Shen, E. M. Been, B. Moritz, T. P. Devereaux, J. Zaanen, H. Y. Hwang, K.-J. Zhou*, and W.-S. Lee*, Magnetic excitations in infinite-layer nickelates, *Science* **373**, 213 (2021).
12. **D. Li***, C. Adamo, B. Y. Wang, H. Yoon, Z. Y. Chen, S. S. Hong, D. Lu, Y. Cui, Y. Hikita, and H. Y. Hwang, Stabilization of Sr₃Al₂O₆ growth templates for ex situ synthesis of freestanding crystalline oxide membranes, *Nano Letters* **21**, 4454 (2021).
13. Z. P. Wu*, M. Boselli, **D. Li***, A. Fête, M. Gibert, M. Viret, and S. Gariglio, Large Tuning of Electroresistance in an electromagnetic device structure based on the ferromagnetic–piezoelectric interface, *ACS Applied Materials & Interfaces* **13**, 18984 (2021).
14. **D. Li***, The discovery and research progress of the nickelate superconductors, *SCIENTIA SINICA Physica, Mechanica & Astronomica* **51**, 047405 (2021) (In Chinese). (李丹楓, 鎳氧化物超導體的發現與研究進展, 中國科學: 物理學 力學 天文學 51, 047405 (2021).)
15. B. Y. Wang*, **D. Li**, B. H. Goodge, K. Lee, M. Osada, S. P. Harvey, L. F. Kourkoutis, M. R. Beasley, and H. Y. Hwang*, Isotropic Pauli-limited superconductivity in the infinite layer nickelate Nd_{0.775}Sr_{0.225}NiO₂, *Nature Physics* **17**, 473 (2021).
16. B. H. Goodge, **D. Li**, M. Osada, B. Y. Wang, K. Lee, G. A. Sawatzky, H. Y. Hwang, and L. F. Kourkoutis*, Doping evolution of the Mott-Hubbard landscape in infinite-layer nickelates, *PNAS* **118**, e2007683118 (2021).
17. M. Osada*, B. Y. Wang, K. Lee, **D. Li***, and H. Y. Hwang*, Phase diagram of infinite layer praseodymium nickelate Pr_{1-x}Sr_xNiO₂ thin films, *Physical Review Materials* **4**, 121801(R) (2020).
18. M. Osada*, B. Y. Wang, B. H. Goodge, K. Lee, H. Yoon, K. Sakuma, **D. Li**, M. Miura, L. F. Kourkoutis, and H. Y. Hwang*, A superconducting praseodymium nickelate with infinite layer structure, *Nano Letters* **20**, 5735 (2020).
19. **D. Li***, B. Y. Wang*, K. Lee, S. P. Harvey, M. Osada, B. H. Goodge, L. F. Kourkoutis, and H. Y. Hwang*, Superconducting dome in Nd_{1-x}Sr_xNiO₂ infinite layer films, *Physical Review Letters* **125**, 027001 (2020).
20. F. Zhang, Y.-W. Fang, N. Y. Chan, W. C. Lo, **D. Li**, C.-G. Duan, F. Ding, and J.-Y. Dai*, Dynamic modulation of the transport properties of the LaAlO₃/SrTiO₃ interface using uniaxial strain, *Physical Review B* **93**, 214427 (2016).
21. K. Lee*, B. H. Goodge, **D. Li***, M. Osada, B. Y. Wang, Y. Cui, L. F. Kourkoutis, and H. Y. Hwang, Aspects of the synthesis of thin film superconducting infinite-layer nickelates, *APL Materials* **8**, 041107 (2020).

22. A. Gloter*, G. Tieri, **D. Li**, M. Caputo, V. N. Strocov, O. Stephan, J.-M. Triscone, and S. Gariglio*, Role of point and line defects on the electronic structure of LaAlO₃/SrTiO₃ interfaces, *APL Materials* **8**, 041103 (2020).
23. M. Caputo, M. Boselli, A. Filippetti, S. Lemal, **D. Li**, A. Chikina, C. Cancellieri, T. Schmitt, J.-M. Triscone, Ph. Ghosez, S. Gariglio, and V. N. Strocov*, Artificial quantum confinement in LaAlO₃/SrTiO₃ heterostructures, *Physical Review Materials* **4**, 035001 (2020).
24. M. Hepting, **D. Li**, C. J. Jia*, H. Lu, E. Paris, Y. Tseng, X. Feng, M. Osada, E. Been, Y. Hikita, Y.-D. Chuang, Z. Hussain, K. J. Zhou, A. Nag, M. Garcia-Fernandez, M. Rossi, H. Y. Huang, D. J. Huang, Z. X. Shen, T. Schmitt, H. Y. Hwang, B. Moritz, J. Zaanen, T. P. Devereaux, and W. S. Lee*, Electronic structure of the parent compound of superconducting infinite-layer nickelates, *Nature Materials* **19**, 381 (2020).
25. **D. Li***, K. Lee, B. Y. Wang, M. Osada, S. Crossley, H.-R. Lee, Y. Cui, Y. Hikita, and H. Y. Hwang*, Superconductivity in an infinite-layer nickelate, *Nature* **572**, 624 (2019).
26. Z. Chen*, B. Y. Wang, B. H. Goodge, D. Lu, S. S. Hong, **D. Li**, L. F. Kourkoutis, Y. Hikita, and H. Y. Hwang*, Freestanding crystalline YBa₂Cu₃O_{7-x} heterostructure membranes, *Physical Review Materials* **3**, 060801 (2019).
27. **D. Li***, S. Lemal, S. Gariglio, Z. Wu, A. Fête, M. Boselli, Ph. Ghosez, and J.-M. Triscone, Probing quantum confinement and electronic structure at polar oxide interfaces, *Advanced Science* **5**, 1800242 (2018).
28. I. Pallecchi, F. Telesio, D. Marré*, **D. Li**, S. Gariglio, J.-M. Triscone, and A. Filippetti*, Large phonon-drag enhancement induced by narrow quantum confinement at the LaAlO₃/SrTiO₃ interface, *Physical Review B* **93**, 195309 (2016).
29. M. Boselli*, **D. Li**, W. Liu, A. Fête, S. Gariglio, and J.-M. Triscone, Characterization of atomic force microscopy written conducting nanowires at LaAlO₃/SrTiO₃ interfaces, *Applied Physics Letters* **108**, 061604 (2016).
30. W. Liu*, S. Gariglio, A. Fête, **D. Li**, M. Boselli, D. Stornaiuolo, and J.-M. Triscone, Magneto-transport study of top-and back-gated LaAlO₃/SrTiO₃ heterostructures, *APL Materials* **3**, 062805 (2015).
31. I. Pallecchi, F. Telesio, **D. Li**, A. Fête, S. Gariglio, J.-M. Triscone, A. Filippetti, P. Delugas, V. Fiorentini, and D. Marré*, Giant oscillating thermopower at oxide interfaces, *Nature Communications* **6**, 6678 (2015).
32. A. Fête*, C. Cancellieri, **D. Li**, D. Stornaiuolo, A. D. Caviglia, S. Gariglio, and J.-M. Triscone, Growth-induced electron mobility enhancement at the LaAlO₃/SrTiO₃ interface, *Applied Physics Letters* **106**, 051604 (2015).
33. D. Stornaiuolo*, S. Gariglio, A. Fête, M. Gabay, **D. Li**, D. Massarotti, and J.-M. Triscone, Weak localization and spin-orbit interaction in side-gate field effect devices at the LaAlO₃/SrTiO₃ interface, *Physical Review B* **90**, 235426 (2014).
34. A. Fête*, S. Gariglio, C. Berthod, **D. Li**, D. Stornaiuolo, M. Gabay, and J.-M. Triscone, Large modulation of the Shubnikov-de Haas oscillations by the Rashba interaction at the LaAlO₃/SrTiO₃ interface, *New Journal of Physics* **16**, 112002 (2014).
35. S. Gariglio*, A. Fête, D. Stornaiuolo, **D. Li**, M. Gabay, and J.-M. Triscone, Analysis of low temperature magnetoresistance of LaAlO₃/SrTiO₃ interfaces, *Proc. SPIE* **8987**, 898711 (2014).
36. **D. Li***, S. Gariglio, C. Cancellieri, A. Fête, D. Stornaiuolo, and J.-M. Triscone, Fabricating superconducting interfaces between artificially grown LaAlO₃ and SrTiO₃ thin films, *APL Materials* **2**, 012102 (2014).
37. A. Filippetti, P. Delugas, M. J. Verstraete, I. Pallecchi, A. Gadaleta, D. Marré, **D. Li**, S. Gariglio, and V. Fiorentini, Thermopower in oxide heterostructures: the importance of being multiple-band conductors, *Physical Review B* **86**, 195301 (2012).

38. M.-L. Reinle-Schmitt, C. Cancellieri, **D. Li**, D. Fontaine, M. Medarde, E. Pomjakushina, C. W. Schneider, S. Gariglio, Ph. Ghosez, J.-M. Triscone, and P. R. Willmott*, Tunable conductivity threshold at polar oxide interfaces, *Nature Communications* **3**, 932 (2012).
39. K. Au, **D. Li**, N.-Y. Chan, and J.-Y. Dai*, Polar liquid molecule induced transport property modulation at LaAlO₃/SrTiO₃ heterointerface, *Advanced Materials* **24**, 2598 (2012).
40. **D. Li**, Y. Wang, and J.-Y. Dai*, Tunable electronic transport properties of DyScO₃/SrTiO₃ polar heterointerface, *Applied Physics Letters* **98**, 122108 (2011).
41. K.-C. Chan, P.-F. Lee, **D. Li**, and J.-Y. Dai*, Memory characteristics and the tunneling mechanism of Au nanocrystals embedded in a DyScO₃ high-*k* gate dielectric layer, *Semiconductor Science and Technology* **26**, 025015 (2011).
42. Y. Wang, **D. Li**, and J.-Y. Dai*, Microstructure and magnetic properties of a novel spinel (Zn, Co)Fe₂O₄ thin film on the SrTiO₃ substrate, *Journal of Crystal Growth* **313**, 26 (2010).
43. H. Miao, M. Gao, **D. Li**, F. Xu, Y. Lin, K. Zhong, and H. Pan*, Effects of Boron Addition on Structural and Electrochemical Properties of La-Mg-Ni-Co System Hydrogen Storage Electrode Alloys, *Rare Metal Materials and Engineering* **38**, 193 (2009).
44. H. Miao, Y. Liu, **D. Li**, F. Xu, K. Luo, Y. Zhao, M. Gao, and H. Pan*, Electrochemical properties of Ti_{0.8}Zr_{0.2}V_{2.7}Mn_{0.5}Cr_{0.8}Ni_{1.25} hydrogen storage alloy electrodes with various Ni powder fractions, *Physica Scripta* **2007**, 99 (2007).

INVITED SEMINARS

- *'Unconventional' Superconductivity in Infinite-Layer Nickelates*, Department of Physics, The Chinese University of Hong Kong, November 2022.
- *Soft-Chemistry Approaches to Superconductivity in Infinite-Layer Nickelates*, The Hong Kong Institute for Advanced Study (HKIAS) Rising Star Lecture - Physics, October 2022.
- *Materials Approaches to Superconductivity in Infinite Layer Nickelate Family*, School of Materials Science & Engineering, Tsinghua University (online), September 2022.
- *Synthesis and Electronic Structure of Nickelate Superconductors*, School of Physics, Zhengzhou University, July 2021.
- *Synthesis and Electronic Structure of Nickelate Superconductors*, Max-Planck Institute – Hamburg (online), March 2021.
- *Synthesis and Electronic Structure of Nickelate Superconductors*, Monash University – FLEET Center (online), February 2021.
- *Synthesis and Electronic Structure of Nickelate Superconductors*, Institute of Physics, CAS (online), July 2020.
- *Synthesis and Electronic Structure of Nickelate Superconductors*, PNNL (online), June 2020.
- *'Unconventional' Superconductivity in Oxide Quantum Materials and Heterostructures*, Department of Physics, Tsinghua University, China, 08 June 2020.
- *'Unconventional' Superconductivity in Oxide Quantum Materials and Heterostructure*, Department of Physics, City University of Hong Kong, Hong Kong, China, 01 June 2020.
- *'Unconventional' Superconductivity in Oxide Quantum Materials and Heterostructure*, School of Physical Science and Technology, ShanghaiTech University, China, 29 May 2020.
- *Topochemistry Approaches to Nickelate Superconductors*, MSE Colloquium, Department of Materials Science and Engineering, Stanford University, USA, 08 May 2020.
- *Synthesis and Electronic Structure of Nickelate Superconductors*, Department of Physics, Tsinghua University, China, 24 April 2020.

- *Topochemistry Approach to Nickelate Superconductors*, School of Materials Science and Engineering, Tsinghua University, China, 21 April 2020.
- *Synthesis and Electronic Structure of Nickelate Superconductors*, SLAC National Accelerator Laboratory, Menlo Park, California, USA, 24 February 2020.
- *2-D Superconductivity at the LaAlO₃/SrTiO₃ interface*, Department of Applied Physics, The Hong Kong Polytechnic University, Hong Kong, China, 29 May 2015.
- *2-D Superconductivity at the LaAlO₃/SrTiO₃ interface*, Department of Physics, Tsinghua University, Beijing, China, 05 January 2015.

ORAL PRESENTATIONS

- *Superconductivity in infinite-layer nickelates*, The 1st Exotic Quantum Effects in Complex Materials, City University of Hong Kong, June 2022.
- *Superconductivity in Infinite Layer Nickelates without Rare-Earth Magnetism*, The 3rd Quantum Materials Workshop, Tsung-Dao Lee Institute, Shanghai, China (Online), August 2021.
- *Superconductivity in Infinite Layer Nickelates without Rare-Earth Magnetism*, IWSIQM, Beijing, China, June 2021.
- *Superconductivity and Electronic Structure of Infinite Layer Nickelates*, CMQM, Online, June 2021.
- *Superconductivity in Infinite Layer Nickelates*, Physics Symposium, City University of Hong Kong (online), June 2021.
- *Superconductivity and Electronic Structure of Infinite Layer Nickelates*, ICAM-China, Online, April 2021.
- *Superconducting Dome and Electronic Structure of the Nickelate Superconductors*, APS March Meeting, Online, March 2021.
- *Superconductivity and Electronic Structure of Infinite Layer Nickelates*, QUOROM-3, Online, February 2021.
- *无限层镍氧化物超导体的制备与电子特性*, 氧化物薄膜材料青年论坛, Online, January 2021.
- *Superconductivity in an Infinite-Layer Nickelate*, Materials Research Society (MRS) Fall Meeting, Boston, USA, 01 - 05 December 2019.
- *Superconductivity and Electronic Structure in Infinite-Layer Nickelates*, 26th International Workshop on Oxide Electronics (iWOE-26), Kyoto, Japan, 29 September - 02 October 2019.
- *Synthesis and Electronic Configuration of Infinite-Layer Nickelate Thin Films*, Materials Research Society (MRS) Spring Meeting, Phoenix, USA, 22 - 26 April 2019.
- *2-D Superconductivity at the LaAlO₃/SrTiO₃ interface*, Ushimado International Workshop on Physics and Chemistry of Novel Superconductors and Related Materials, Ushimado, Japan, 08 - 10 November 2014.
- *2-D Superconductivity at the LaAlO₃/SrTiO₃ interface*, Materials Research Society (MRS) Spring Meeting, San Francisco, USA, 21 - 25 April 2014.
- *Metal-Insulator Transitions in Freestanding NdNiO₃ Membranes*, American Physical Society (APS) March Meeting, Los Angeles, USA, 04 - 08 March 2018.
- *Metal-Insulator Transitions in Freestanding NdNiO₃ Membranes*, 24th International Workshop on Oxide Electronics (iWOE-24), Chicago, USA, 24 - 27 September 2017.
- *Intrinsic Electronic Confinement at Conducting Oxide Interfaces*, 23rd International Workshop on Oxide Electronics (iWOE-23), Nanjing, China, 11 - 14 October 2016.
- *Intrinsic Electronic Confinement at Conducting Oxide Interfaces*, American Physical Society (APS) March Meeting, Baltimore, USA, 14 - 18 March 2016.

- *Superconducting coupling properties of bi-interface LaAlO₃/SrTiO₃ heterostructures*, The 11th International Conference on Materials & Mechanisms of Superconductivity, Geneva, Switzerland, 23 - 28 August 2015.
- *Superconducting interfaces between LaAlO₃ and SrTiO₃ thin films*, Materials Research Society (MRS) Fall Meeting, Boston, USA, 30 November - 05 December 2014.
- *Superconducting properties of two coupled LaAlO₃/SrTiO₃ interfaces*, 21st International Workshop on Oxide Electronics (iWOE-21), Bolton Landing, USA, 28 September - 01 October 2014.
- *Superconducting interfaces between artificially-grown LaAlO₃ and SrTiO₃ thin films*, International Conference on Strongly Correlated Electron Systems, Grenoble, France, 07 - 11 July 2014.
- *Superconducting interfaces between artificially-grown LaAlO₃ and SrTiO₃ thin films*, American Physical Society (APS) March Meeting, Denver, USA, 03 - 07 March 2014.
- *Tunable conductivity threshold at polar oxide interfaces: implications for understanding its origin*, 4th International Oxides Workshop, Santander, Spain, 30 May - 01 June 2012.
- *Tuning electron mobility at LaAlO₃/SrTiO₃ interfaces*, 3rd International Oxides Workshop, Olbia, Italy, 24 - 28 May 2011.

MEDIA PUBLICITY

[Physics](#): Michael R. Norman, Entering the nickel age of superconductivity, *Physics* **13**, 85 (2020)

[Physics Today](#): (Top 10 most popular articles of 2019) R. Mark Wilson, Superconductivity is found in a nickel oxide, *Physics Today* **72**, 11, 19 (2019).

[Phys.org](#): First report of superconductivity in a nickel oxide material (2019).