

Joe Thompson

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,812
citations

304743

22
h-index

302126

39
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41
all docs

41
docs citations

41
times ranked

3173
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Pressure-Induced Superconductivity in Quasi-2DCeRhIn ₅ . Physical Review Letters, 2000, 84, 4986-4989. | 7.8 | 836 |
| 2 | Heavy-fermion superconductivity in CeCoIn ₅ at 2.3 K. Journal of Physics Condensed Matter, 2001, 13, L337-L342. | 1.8 | 737 |
| 3 | Hidden magnetism and quantum criticality in the heavy fermion superconductor CeRhIn ₅ . Nature, 2006, 440, 65-68. | 27.8 | 412 |
| 4 | Heavy-Electron Metals: New Highly Correlated States of Matter. Science, 1988, 239, 33-42. | 12.6 | 329 |
| 5 | Coupled Superconducting and Magnetic Order in CeCoIn ₅ . Science, 2008, 321, 1652-1654. | 12.6 | 299 |
| 6 | Low-temperature pressure variations in a self-clamping pressure cell. Review of Scientific Instruments, 1984, 55, 231-234. | 1.3 | 148 |
| 7 | Electronic correlation and magnetism in the ferromagnetic metal Fe_3GeTe_2 . Physical Review B, 2016, 93, . | 33.2 | 109 |
| 8 | Persistent optically induced magnetism in oxygen-deficient strontium titanate. Nature Materials, 2014, 13, 481-487. | 27.5 | 100 |
| 9 | Magnetic microstructure and magnetic properties of uniaxial itinerant ferromagnet Fe_3GeTe_2 . Journal of Applied Physics, 2016, 120, . | 2.5 | 87 |
| 10 | Magnetic phase diagram of the ferromagnetic Kondo-lattice compound CeAgSb_2 up to 80 kbar. Physical Review B, 2003, 67, . | 3.2 | 85 |
| 11 | Evidence for a pressure-induced antiferromagnetic quantum critical point in intermediate-valence UTe_2 . Science Advances, 2020, 6, . | 10.3 | 69 |
| 12 | Colossal anomalous Nernst effect in a correlated noncentrosymmetric kagome ferromagnet. Science Advances, 2021, 7, . | 10.3 | 61 |
| 13 | Evolution of the magnetic properties and magnetic structures along the $\text{RmMIn}_3\text{m}+2$ (R=Ce, Nd, Gd, Tb; Tj ETQq1.1.0.784314 rgBT / 2.5 53) | 2.5 | 53 |
| 14 | Anomalous Hall effect in the kagome ferrimagnet GdMn_6 . Physical Review B, 2020, 101, . | 10.3 | 61 |
| 15 | Electronic inhomogeneity in a Kondo lattice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6857-6861. | 7.1 | 39 |
| 16 | Magnetism and superconductivity in strongly correlated CeRhIn_5 . New Journal of Physics, 2009, 11, 055062. | 2.9 | 38 |
| 17 | Textured Superconducting Phase in the Heavy Fermion CeRhIn_5 . Physical Review Letters, 2012, 108, 077003. | 7.8 | 38 |
| 18 | Pressure-tuned quantum criticality in the antiferromagnetic Kondo semimetal CeNi_2As_2 . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13520-13524. | 7.1 | 34 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Pressure effects on the heavy-fermion antiferromagnet CeAuSb $\langle \mathbf{m} \rangle$. Physical Review B, 2012, 85, . | 3.2 | 31 |
| 20 | Spatially inhomogeneous superconductivity in UTe_2 . Physical Review B, 2021, 104, . | 3.2 | 31 |
| 21 | Comparing the anomalous Hall effect and the magneto-optical Kerr effect through antiferromagnetic phase transitions in Mn3Sn. Applied Physics Letters, 2019, 114, . | 3.3 | 29 |
| 22 | Local structure and site occupancy of Cd and Hg substitutions in CeT_2 . Physical Review B, 2021, 103, . | 3.2 | 27 |
| 23 | Approach to Magnetocrystalline Anisotropy of Strong Magnets. Physical Review X, 2014, 4, . | 8.9 | 19 |
| 24 | Enhanced Hybridization Sets the Stage for Electronic Nematicity in $CeRhIn_5$. Physical Review Letters, 2019, 122, 016402. | 7.8 | 19 |
| 25 | Nematic State in $CeAuSb_2$. Physical Review X, 2020, 10, . | 3.2 | 19 |
| 26 | Superconductivity in pressurized $CeRhG_3$ and related noncentrosymmetric compounds. Physical Review B, 2018, 97, . | 3.2 | 18 |
| 27 | Low temperature magnetic structure of $CeRhIn_5$ by neutron diffraction on absorption-optimized samples. Journal of Physics Condensed Matter, 2017, 29, 17LT01. | 1.8 | 15 |
| 28 | Two-channel point-contact tunneling theory of superconductors. Physical Review B, 2014, 90, . | 3.2 | 13 |
| 29 | Computationally driven experimental discovery of the $CeIr_4$. Physical Review B, 2011, 83, . | 3.2 | 12 |
| 30 | Suppression of antiferromagnetism by pressure in $CaCo_2P_2$. Physical Review B, 2014, 89, . | 3.2 | 11 |
| 31 | An FBG Optical Approach to Thermal Expansion Measurements under Hydrostatic Pressure. Sensors, 2017, 17, 2543. | 3.8 | 9 |
| 32 | Magnetism and superconductivity in $UPt_2Rh_1C_2$. Physical Review B, 2011, 83, . | 3.2 | 7 |
| 33 | Holes in a Kondo lattice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18191-18192. | 7.1 | 6 |
| 34 | Anomalous connection between antiferromagnetic and superconducting phases in the pressurized noncentrosymmetric heavy-fermion compound $CeRhG_3$. Physical Review B, 2019, 99, . | 3.2 | 6 |
| 35 | Detection of a Spin-Triplet Superconducting Phase in Oriented Polycrystalline $U_2Pt_2C_2$ Samples Using ^{195}Pt Nuclear Magnetic Resonance. Physical Review Letters, 2015, 114, 127001. | 7.8 | 4 |
| 36 | Fingerprinting triangular-lattice antiferromagnet by excitation gaps. Physical Review B, 2021, 103, . | 3.2 | 4 |

