

# Nai Phuan Ong

## List of Publications by Year in descending order

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179  
papers

30,454  
citations

8732

75  
h-index

4535

171  
g-index

182  
all docs

182  
docs citations

182  
times ranked

19226  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Anomalous Hall effect. <i>Reviews of Modern Physics</i> , 2010, 82, 1539-1592.   | 16.4 | 3,276     |
| 2  | A tunable topological insulator in the spin helical Dirac transport regime. <i>Nature</i> , 2009, 460, 1101-1105.  | 13.7 | 1,737     |
| 3  | Spin-Polarized Intergrain Tunneling in $\text{La}_2/3\text{Sr}_1/3\text{MnO}_3$ . <i>Physical Review Letters</i> , 1996, 77, 2041-2044.  | 2.9  | 1,725     |
| 4  | Large, non-saturating magnetoresistance in $\text{WTe}_2$ . <i>Nature</i> , 2014, 514, 205-208.  | 13.7 | 1,329     |
| 5  | Ultrahigh mobility and giant magnetoresistance in the Dirac semimetal $\text{Cd}_3\text{As}_2$ . <i>Nature Materials</i> , 2015, 14, 280-284.  | 13.3 | 1,197     |
| 6  | Evidence for the chiral anomaly in the Dirac semimetal $\text{Na}_3\text{Bi}$ . <i>Science</i> , 2015, 350, 413-416.   | 6.0  | 927       |
| 7  | Superconductivity in $\text{Cu}_x\text{Bi}_{1-x}$ and its Implications for Pairing in the Undoped Topological Insulator. <i>Physical Review Letters</i> , 2010, 104, 057001.                 | 2.9  | 912       |
| 8  | Superconductivity in $\text{Cu}_x\text{TiSe}_2$ . <i>Nature Physics</i> , 2006, 2, 544-550.  | 6.5  | 812       |
| 9  | Quantum Oscillations and Hall Anomaly of Surface States in the Topological Insulator $\text{Bi}_2\text{Te}_3$ . <i>Science</i> , 2010, 329, 821-824.   | 6.0  | 767       |
| 10 | Spin entropy as the likely source of enhanced thermopower in $\text{Na}_x\text{Co}_2\text{O}_4$ . <i>Nature</i> , 2003, 423, 425-428.  | 13.7 | 637       |
| 11 | Vortex-like excitations and the onset of superconducting phase fluctuation in underdoped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . <i>Nature</i> , 2000, 406, 486-488.                      | 13.7 | 633       |
| 12 | Extreme sensitivity of superconductivity to stoichiometry in $\text{Fe}_1-x\text{Co}_x\text{P}$ . <i>Physical Review B</i> , 2009, 79, .   | 1.1  | 582       |
| 13 | Charge Ordering, Commensurability, and Metallicity in the Phase Diagram of the Layered $\text{Na}_x\text{CoO}_2$ . <i>Physical Review Letters</i> , 2004, 92, 247001.                        | 2.9  | 579       |
| 14 | Superconductivity in the non-oxide perovskite $\text{MgCNi}_3$ . <i>Nature</i> , 2001, 411, 54-56.   | 13.7 | 571       |
| 15 | $\text{Bi}_2\text{Te}_3$ topological insulator and low-temperature thermoelectric applications. <i>Physical Review B</i> , 2008, 79, .   | 1.1  | 571       |
| 16 | Nernst effect in high- $T_c$ superconductors. <i>Physical Review B</i> , 2006, 73, .   | 1.1  | 562       |
| 17 | Effect of Zn impurities on the normal-state Hall angle in single-crystal $\text{YBa}_2\text{Cu}_{3-x}\text{Zn}_x\text{O}_{7-\delta}$ . <i>Physical Review Letters</i> , 1991, 67, 2088-2091. | 2.9  | 545       |
| 18 | The chiral anomaly and thermopower of Weyl fermions in the half-Heusler $\text{GdPtBi}$ . <i>Nature Materials</i> , 2016, 15, 1161-1165.   | 13.3 | 436       |

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|----|---|------|-----------|
| 19 | Development of ferromagnetism in the doped topological insulator $\text{Bi}_{2-x}\text{Sb}_x\text{Te}_3$ . Physical Review B, 2010, 81, .   | 1.1  | 424       |
| 20 | Bulk Band Gap and Surface State Conduction Observed in Voltage-Tuned Crystals of the Topological Insulator $\text{Bi}_2\text{Se}_3$ . Physical Review Letters, 2011, 106, 196801.                         | 2.9  | 396       |
| 21 | Unusual Hall Effect Anomaly in MnSi under Pressure. Physical Review Letters, 2009, 102, 186601.   | 2.9  | 337       |
| 22 | Quantum Interference in Macroscopic Crystals of Nonmetallic $\text{Bi}_2\text{Se}_3$ . Physical Review Letters, 2009, 103, 246601.  | 2.9  | 337       |
| 23 | Onset of the vortexlike Nernst signal above $T_c$ in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ and $\text{Bi}_2\text{Sr}_2\text{CuO}_6$ . Physical Review B, 2001, 64, .                                   | 1.1  | 291       |
| 24 | Large enhancement of the thermopower in $\text{Na}_x\text{CoO}_2$ at high Na doping. Nature Materials, 2006, 5, 537-540.  | 13.3 | 291       |
| 25 | Zero-Energy State in Graphene in a High Magnetic Field. Physical Review Letters, 2008, 100, 206801.   | 2.9  | 290       |
| 26 | Time-Reversal-Breaking Weyl Fermions in Magnetic Heusler Alloys. Physical Review Letters, 2016, 117, 236401.  | 2.9  | 282       |
| 27 | Plateaus Observed in the Field Profile of Thermal Conductivity in the Superconductor $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ . Science, 1997, 277, 83-85.   | 6.0  | 269       |
| 28 | Diamagnetism and Cooper pairing above $T_c$ in $\text{La}_2\text{CuO}_4$ and $\text{La}_2\text{CuO}_7$ cuprates. Physical Review B, 2010, 81, .   | 1.1  | 242       |
| 29 | Thermopower and Nernst effect in graphene in a magnetic field. Physical Review B, 2009, 80, .   | 1.1  | 235       |
| 30 | Field-Enhanced Diamagnetism in the Pseudogap State of the Cuprate $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ Superconductor in an Intense Magnetic Field. Physical Review Letters, 2005, 95, 247002. | 2.9  | 224       |
| 31 | Insulating Behavior of $\text{H}^+$ -DNA on the Micron Scale. Physical Review Letters, 2002, 89, 198102.  | 2.9  | 215       |
| 32 | Violation of Kohler's Rule in the Normal-State Magnetoresistance of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and $\text{La}_2\text{Sr}_x\text{CuO}_4$ . Physical Review Letters, 1995, 75, 1391-1394.      | 2.9  | 205       |
| 33 | Three-dimensional Dirac semimetals: Design principles and predictions of new materials. Physical Review B, 2015, 91, .  | 1.1  | 203       |
| 34 | Dissipationless Anomalous Hall Current in the Ferromagnetic Spinel $\text{CuCr}_2\text{Se}_4$ - $x\text{Br}_x$ . Science, 2004, 303, 1647-1649.   | 6.0  | 201       |
| 35 | Thermal Hall Effect of Spin Excitations in a Kagome Magnet. Physical Review Letters, 2015, 115, 106603.   | 2.9  | 195       |
| 36 | Anomalous Hall effect in $\text{ZrTe}_5$ . Nature Physics, 2018, 14, 451-455.   | 6.5  | 192       |

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|----|---|-----|-----------|
| 37 | Quasiparticle Mean Free Path in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Measured by the Thermal Hall Conductivity. Physical Review Letters, 1995, 75, 3529-3532.  | 2.9 | 186       |
| 38 | Sharp Magnetoabsorption Resonances in the Vortex State of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ . Physical Review Letters, 1994, 73, 724-727.   | 2.9 | 183       |
| 39 | Dependence of Upper Critical Field and Pairing Strength on Doping in Cuprates. Science, 2003, 299, 86-89.   | 6.0 | 178       |
| 40 | Structures and thermoelectric properties of the infinitely adaptive series (Bi <sub>2</sub> ) <sub>m</sub> (Bi <sub>2</sub> Te <sub>3</sub> ) <sub>n</sub> . Physical Review B, 2007, 75, .   | 1.1 | 176       |
| 41 | High Field Phase Diagram of Cuprates Derived from the Nernst Effect. Physical Review Letters, 2002, 88, 257003.   | 2.9 | 172       |
| 42 | High-field Shubnikov-de Haas oscillations in the topological insulator Bi <sub>2</sub> Te <sub>3</sub> . Physical Review B, 2012, 86, .   | 1.1 | 164       |
| 43 | Low temperature phase transitions and crystal structure of Na <sub>0.5</sub> CoO <sub>2</sub> . Journal of Physics Condensed Matter, 2004, 16, 5803-5814.   | 0.7 | 151       |
| 44 | Phase Transitions of Dirac Electrons in Bismuth. Science, 2008, 321, 547-550.   | 6.0 | 150       |
| 45 | Hall effect of the colossal magnetoresistance manganite La <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> . Physical Review B, 1998, 57, 10248-10251.  | 1.1 | 143       |
| 46 | Low-carrier-concentration crystals of the topological insulator Bi <sub>2</sub> Te <sub>3</sub> . Physical Review B, 2011, 84, .  | 1.1 | 141       |
| 47 | A ferromagnetic insulating substrate for the epitaxial growth of topological insulators. Journal of Applied Physics, 2013, 114, 114907.   | 1.1 | 138       |
| 48 | Anomalous Nernst Effect in the Dirac Semimetal Cd <sub>3</sub> As <sub>2</sub> . Physical Review Letters, 2017, 118, 136601.  | 2.9 | 138       |
| 49 | Transition from activated to diffusive behavior in the vortex-liquid state in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Physical Review Letters, 1991, 66, 3075-3078.   | 2.9 | 137       |
| 50 | Anomalous Hall Heat Current and Nernst Effect in the CuCr <sub>2</sub> Se <sub>4</sub> Br <sub>x</sub> Ferromagnet. Physical Review Letters, 2004, 93, 226601.  | 2.9 | 137       |
| 51 | Large thermal Hall conductivity of neutral spin excitations in a frustrated quantum magnet. Science, 2015, 348, 106-109.  | 6.0 | 135       |
| 52 | Hidden constant in the anomalous Hall effect of high-purity magnet MnSi. Physical Review B, 2007, 75, .   | 1.1 | 134       |
| 53 | Novel Family of Chiral-Based Topological Insulators: Elemental Tellurium under Strain. Physical Review Letters, 2013, 110, 176401.  | 2.9 | 133       |
| 54 | Negative magnetoresistance in the c-axis resistivity of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ and YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> . Physical Review B, 1995, 52, R751-R754. | 1.1 | 132       |

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|----|--|-----|-----------|
| 55 | Experimental Tests of the Chiral Anomaly Magnetoresistance in the Dirac-Weyl Semimetals $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Na} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{and GdPtBi. Physical Review X, 2018, 8, .}$ | 2.8 | 129       |
| 56 | Momentum dependence of superconducting gap, strong-coupling dispersion kink, and tightly bound Cooper pairs in the high-Tc(Sr,Ba) $1-x$ (K,Na) $x$ Fe <sub>2</sub> As <sub>2</sub> superconductors. Physical Review B, 2008, 78, .   | 1.1 | 127       |
| 57 | Evidence for massive bulk Dirac fermions in Pb $1-x$ Sn $x$ Se from Nernst and thermopower experiments. Nature Communications, 2013, 4, 2696.  | 5.8 | 126       |
| 58 | Hall Angle Evidence for the Superclean Regime in 60 KYBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+y</sub> . Physical Review Letters, 1994, 73, 1711-1714.   | 2.9 | 121       |
| 59 | Divergent resistance at the Dirac point in graphene: Evidence for a transition in a high magnetic field. Physical Review B, 2009, 79, .  | 1.1 | 117       |
| 60 | Crystal structure and elementary properties of Na $x$ CoO <sub>2</sub> ( $x=0.32, 0.51, 0.6, 0.75, \text{ and } 0.92$ ) in the three-layer NaCoO <sub>2</sub> family. Physical Review B, 2006, 73, .   | 1.1 | 109       |
| 61 | Experimental test of the T <sup>2</sup> law for the Hall angle from T <sub>c</sub> to 500 K in oxygen-reduced YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> crystals. Physical Review B, 1992, 46, 14293-14296.  | 1.1 | 106       |
| 62 | Excitation of the Josephson Plasma Mode in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+<math>\delta</math></sub> in an Oblique Field. Physical Review Letters, 1996, 76, 819-822.   | 2.9 | 106       |
| 63 | Determining the Wiedemann-Franz Ratio from the Thermal Hall Conductivity: Application to Cu and YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.95</sub> . Physical Review Letters, 2000, 84, 2219-2222.   | 2.9 | 106       |
| 64 | Vortex viscosity in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> at low temperatures. Physical Review B, 1994, 49, 4380-4383.   | 1.1 | 104       |
| 65 | Oscillations of the thermal conductivity in the spin-liquid state of $\hat{I}_{\pm}$ -RuCl <sub>3</sub> . Nature Physics, 2021, 17, 915-919.   | 6.5 | 103       |
| 66 | Sharp switching of the magnetization in Fe $1-x$ Ta <sub>2</sub> S <sub>2</sub> . Physical Review B, 2007, 75, .   | 1.1 | 99        |
| 67 | Superconductivity and non-metallicity induced by doping the topological insulators Bi <sub>2</sub> Se <sub>3</sub> and Bi <sub>2</sub> Te <sub>3</sub> . Journal of Physics and Chemistry of Solids, 2011, 72, 572-576.  | 1.9 | 98        |
| 68 | Correlation of crystal quality and extreme magnetoresistance of WTe <sub>2</sub> . Europhysics Letters, 2015, 110, 67002.  | 0.7 | 96        |
| 69 | Sn-doped Bi <sub>1.1</sub> Sb <sub>0.9</sub> Te <sub>2</sub> S bulk crystal topological insulator with excellent properties. Nature Communications, 2016, 7, 11456.  | 5.8 | 94        |
| 70 | Chiral anomaly factory: Creating Weyl fermions with a magnetic field. Physical Review B, 2017, 95, .   | 1.1 | 94        |
| 71 | High-Pressure Synthesis and Characterization of $\hat{I}_{\pm}$ -GeSe $\hat{I}_{\pm}$ A Six-Membered-Ring Semiconductor in an Uncommon Boat Conformation. Journal of the American Chemical Society, 2017, 139, 2771-2777.  | 6.6 | 90        |
| 72 | Chemical instability of the cobalt oxyhydrate superconductor under ambient conditions. Solid State Communications, 2003, 127, 33-37.   | 0.9 | 87        |

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|----|--|------|-----------|
| 73 | Anomalous conductivity tensor in the Dirac semimetal Na <sub>3</sub> Bi. Europhysics Letters, 2016, 114, 27002.  | 0.7  | 85        |
| 74 | High mobility in a van der Waals layered antiferromagnetic metal. Science Advances, 2020, 6, eaay6407.   | 4.7  | 85        |
| 75 | Anomalous Hall effect and magnetoresistance in the layered ferromagnet Fe <sub>1-x</sub> Ta <sub>x</sub> S <sub>2</sub> : The inelastic regime. Physical Review B, 2008, 77, .                               | 1.1  | 82        |
| 76 | Bulk crystal growth and electronic characterization of the 3D Dirac semimetal Na <sub>3</sub> Bi. APL Materials, 2015, 3, .  | 2.2  | 76        |
| 77 | Weak-field induced nonmagnetic state in a Co-based honeycomb. Science Advances, 2020, 6, eaay6953.   | 4.7  | 76        |
| 78 | Controlling the Size of Magnetic Nanoparticles Using Pluronic Block Copolymer Surfactants. Journal of Physical Chemistry B, 2005, 109, 15-18.  | 1.2  | 75        |
| 79 | TaRh <sub>2</sub> B <sub>2</sub> and NbRh <sub>2</sub> B <sub>2</sub> : Superconductors with a chiral noncentrosymmetric crystal structure. Science Advances, 2018, 4, eaar7969.                             | 4.7  | 73        |
| 80 | Ferromagnetic quantum critical point induced by dimer-breaking in SrCo <sub>2</sub> (Ge <sub>1-x</sub> Px) <sub>2</sub> . Nature Physics, 2011, 7, 207-210.  | 6.5  | 71        |
| 81 | Hall effect of vortices parallel to CuO <sub>2</sub> layers and the origin of the negative Hall anomaly in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> . Physical Review Letters, 1993, 71, 1455-1458. | 2.9  | 69        |
| 82 | Giant Enhancement of the Thermal Hall Conductivity in the Superconductor YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Physical Review Letters, 2001, 86, 890-893.                                       | 2.9  | 69        |
| 83 | Active regulation of receptor ratios controls integration of quorum-sensing signals in <i>Vibrio harveyi</i> . Molecular Systems Biology, 2011, 7, 491.  | 3.2  | 68        |
| 84 | Defects and high bulk resistivities in the Bi-rich tetradymite topological insulator Bi <sub>2</sub> Te <sub>3</sub> . Physical Review B, 2012, 86, .  | 1.1  | 68        |
| 85 | Low temperature synthesis of MgB <sub>2</sub> . Journal of Applied Physics, 2002, 91, 274.   | 1.1  | 67        |
| 86 | Strongly nonlinear magnetization above T <sub>c</sub> in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> +δ. Europhysics Letters, 2005, 72, 451-457.  | 0.7  | 67        |
| 87 | Evidence for an edge supercurrent in the Weyl superconductor MoTe <sub>2</sub> . Science, 2020, 368, 534-537.  | 6.0  | 66        |
| 88 | Catalogue of flat-band stoichiometric materials. Nature, 2022, 603, 824-828.   | 18.7 | 65        |
| 89 | Low-temperature vortex liquid in La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . Nature Physics, 2007, 3, 311-314.  | 6.5  | 62        |
| 90 | Experimental signatures of the chiral anomaly in Dirac-Weyl semimetals. Nature Reviews Physics, 2021, 3, 394-404.  | 11.9 | 62        |

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|-----|--|------|-----------|
| 91  | Formation of transition metal boride and carbide perovskites related to superconducting MgCNi3. Journal of Solid State Chemistry, 2004, 177, 1244-1251.  | 1.4  | 61        |
| 92  | PHYSICS: Electronic Frustration on a Triangular Lattice. Science, 2004, 305, 52-53.  | 6.0  | 59        |
| 93  | Large discrete jumps observed in the transition between Chern states in a ferromagnetic topological insulator. Science Advances, 2016, 2, e1600167.  | 4.7  | 59        |
| 94  | Measurement of the Copy Number of the Master Quorum-Sensing Regulator of a Bacterial Cell. Biophysical Journal, 2010, 98, 2024-2031.   | 0.2  | 57        |
| 95  | Quantitative Transcription Factor Binding Kinetics at the Single-Molecule Level. Biophysical Journal, 2009, 96, 609-620.   | 0.2  | 56        |
| 96  | Washboard Frequency of the Moving Vortex Lattice in YBa2Cu3O6.93 Detected by ac-dc Interference. Physical Review Letters, 1995, 74, 3684-3687.   | 2.9  | 55        |
| 97  | Dirac metal to topological metal transition at a structural phase change in $Au_{1-x}Pb_x$ and prediction of topology  | 1.1  | 55        |
| 98  | A pressure-induced topological phase with large Berry curvature in $Pb_{1-x}Sn_xTe$ . Science Advances, 2017, 3, e1602510.   | 4.7  | 55        |
| 99  | Synthesis, structure and physical properties of Ru ferrites: BaMRu5O11 (M=Li and Cu) and BaM $\epsilon^2$ Ru4O11 (M $\epsilon^2$ =Mn, Fe and Co). Journal of Solid State Chemistry, 2006, 179, 563-572.              | 1.4  | 53        |
| 100 | Heat capacity peak at the quantum critical point of the transverse Ising magnet CoNb2O6. Nature Communications, 2015, 6, 7611.   | 5.8  | 53        |
| 101 | Quasiparticle Thermal Hall Angle and Magnetoconductance in YBa2Cu3Ox. Physical Review Letters, 1999, 82, 5108-5111.  | 2.9  | 47        |
| 102 | Hall-effect measurements of HgBa2CaCu2O6+ $\delta$ . Physical Review B, 1994, 50, 3246-3249.   | 1.1  | 45        |
| 103 | Heavy-fermion quantum criticality and destruction of the Kondo effect in a nickel oxypnictide. Nature Materials, 2014, 13, 777-781.  | 13.3 | 41        |
| 104 | Gold contacts on superconducting crystals of YBa2Cu3O7 with very low contact resistivity. Applied Physics Letters, 1989, 55, 1912-1914.  | 1.5  | 40        |
| 105 | Oscillatory surface dichroism of the insulating topological insulator $Bi_{1-x}Sb_x$ Te  | 1.1  | 38        |
| 106 | Magnetic phase diagram of underdoped YBa2Cu3Oy inferred from torque magnetization and thermal conductivity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12667-12672. | 3.3  | 38        |
| 107 | Frequency dependence of the vortex-state resistivity in YBa2Cu3O7+ $\delta$ . Physical Review Letters, 1993, 71, 2642-2645.  | 2.9  | 36        |
| 108 | Anisotropic properties of the layered superconductor Cu0.07TiSe2. Physical Review B, 2007, 75, .   | 1.1  | 36        |

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|-----|---|------|-----------|
| 109 | Third-order nonlinear microwave response of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> thin films and single crystals. Applied Physics Letters, 1997, 71, 3904-3906.                           | 1.5  | 35        |
| 110 | Comparison of Sn-doped and nonstoichiometric vertical-Bridgman-grown crystals of the topological insulator Bi <sub>2</sub> Te <sub>2</sub> Se. Journal of Applied Physics, 2014, 115, 143708.                           | 1.1  | 33        |
| 111 | Band Engineering of Dirac Semimetals Using Charge Density Waves. Advanced Materials, 2021, 33, e2101591.  | 11.1 | 32        |
| 112 | Harris, Ong, and Yan reply. Physical Review Letters, 1994, 73, 610-610.   | 2.9  | 31        |
| 113 | Precision measurement of magnetic relaxation in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> : Power-law versus logarithmic decay. Physical Review B, 1993, 47, 1156-1159.   | 1.1  | 30        |
| 114 | <i>In situ</i> single-liquid-source metal-organic chemical vapor deposition of (La <sub>0.8</sub> Ca <sub>0.2</sub> )MnO <sub>3</sub> giant magnetoresistive films. Journal of Materials Research, 1995, 10, 2166-2169. | 1.2  | 30        |
| 115 | Low temperature magnetothermoelectric effect and magnetoresistance in Te vapor annealed Bi <sub>2</sub> Te <sub>3</sub> . Journal of Physics Condensed Matter, 2010, 22, 375801.  | 0.7  | 30        |
| 116 | Cyclotron resonance at microwave frequencies in two-dimensional hole system in AlGaAs/GaAs quantum wells. Applied Physics Letters, 2003, 83, 3519-3521.   | 1.5  | 28        |
| 117 | Ferromagnetism below 10 K in Mn-doped BiTe. Physical Review B, 2006, 74, .  | 1.1  | 28        |
| 118 | Scanning Hall microprobe measurements of magnetization profiles in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> single crystals. Journal of Applied Physics, 1993, 73, 3890-3902.                | 1.1  | 27        |
| 119 | Cuprates Fall into a Gap. Science, 1996, 273, 321-322.  | 6.0  | 27        |
| 120 | Tuning the quantum oscillations of surface Dirac electrons in the topological insulator Bi <sub>2</sub> Te <sub>3</sub> by liquid gating. Physical Review B, 2013, 88, .  | 1.1  | 27        |
| 121 | Orthogonal magnetization and symmetry breaking in pyrochlore iridate Eu <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> . Nature Physics, 2017, 13, 599-603.  | 6.5  | 27        |
| 122 | Low-temperature, low-frequency dielectric response of the pinned charge-density wave in K <sub>0.3</sub> MoO <sub>3</sub> . Physical Review B, 1991, 44, 7912-7916.   | 1.1  | 26        |
| 123 | Linewidth of c-axis plasma resonance in Josephson-coupled superconductors. Physical Review B, 1996, 54, 7521-7535.  | 1.1  | 26        |
| 124 | Giant angular-dependent Nernst effect in the quasi-one-dimensional organic conductor (TMTSF) <sub>2</sub> PF <sub>6</sub> . Physical Review B, 2005, 72, .  | 1.1  | 26        |
| 125 | Magnetic and electronic properties of CaMn <sub>2</sub> As <sub>2</sub> : A possible hybridization gap semiconductor. Physical Review B, 2015, 91, .  | 1.1  | 26        |
| 126 | Anomalous thermopower and Nernst effect in CeCoIn <sub>5</sub> : Loss of entropy current in precursor state. Europhysics Letters, 2007, 79, 17006.  | 0.7  | 25        |



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|-----|--|------|-----------|
| 127 | Unusual Nernst Effect Suggesting Time-Reversal Violation in the Striped Cuprate Superconductor $La_{2-x}Sr_xCuO_4$ Physical Review Letters, 2011, 107, 277001.                 | 2.9  | 24        |
| 128 | Additive quasiparticle and vortex Hall conductivities in $La_{2-x}Sr_xCuO_4$ and untwinned $YBa_2Cu_3O_{6.93}$ . Physical Review B, 1995, 51, 12053-12056.                     | 1.1  | 22        |
| 129 | Vorticity, phase stiffness and the cuprate phase diagram. Physica C: Superconductivity and Its Applications, 2004, 408-410, 11-15.   | 0.6  | 22        |
| 130 | Particle-hole symmetry in the antiferromagnetic state of the cuprates. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11091-11096. | 3.3  | 21        |
| 131 | Superconductivity in three-layer $Na_{0.3}CoO_2 \cdot 1.3H_2O$ . Solid State Communications, 2005, 133, 407-410.   | 0.9  | 20        |
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| 133 | Paramagnetic to ferromagnetic phase transition in lightly Fe-doped $Cr_{2-x}B_x$ . Physical Review B, 2014, 89, ...  | 1.1  | 20        |
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