

Luis Balicas

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Interplay between strong correlations and electronic topology in the underlying kagome lattice of Na_2O . <i>Physical Review B</i> , 2021, 104, . | 12.8 | 40 |
| 20 | High-temperature superconductivity on the verge of a structural instability in lanthanum superhydride. <i>Nature Communications</i> , 2021, 12, 6863. | 12.8 | 40 |
| 21 | Bulk Fermi surfaces of the Dirac type-II semimetallic candidate NiTe_2 . <i>Physical Review B</i> , 2020, 102, . | 3.2 | 4 |
| 22 | Multiple Dirac nodes and symmetry protected Dirac nodal line in orthorhombic $\text{Ir}_2\text{-RhSi}$. <i>Physical Review B</i> , 2020, 102, . | 3.2 | 4 |
| 23 | Thermal transport in yttrium iron garnet at very high magnetic fields. <i>Physical Review B</i> , 2020, 101, . | 3.2 | 6 |
| 24 | Fermi surface of PtCoO_2 from quantum oscillations and electronic structure calculations. <i>Physical Review B</i> , 2020, 101, . | 3.2 | 12 |
| 25 | Origin of the butterfly magnetoresistance in a Dirac nodal-line system. <i>Physical Review B</i> , 2019, 100, . | 3.2 | 13 |
| 26 | Possible manifestations of the chiral anomaly and evidence for a magnetic field induced topological phase transition in the type-I Weyl semimetal TaAs. <i>Physical Review B</i> , 2019, 100, . | 3.2 | 12 |
| 27 | Bilayer Lateral Heterostructures of Transition-Metal Dichalcogenides and Their Optoelectronic Response. <i>ACS Nano</i> , 2019, 13, 12372-12384. | 14.6 | 89 |
| 28 | Antiferroelectric Phase Transition in a Proton-Transfer Salt of Squaric Acid and 2,3-Dimethylpyrazine. <i>Journal of the American Chemical Society</i> , 2019, 141, 16279-16287. | 13.7 | 6 |
| 29 | Magnetic anisotropy of the alkali iridate $\text{Na}_2\text{Ir}_2\text{O}_7$ at high magnetic fields: Evidence for strong ferromagnetic Kitaev correlations. <i>Physical Review B</i> , 2019, 99, . | 3.2 | 28 |
| 30 | Giant Anisotropic Magnetoresistance due to Purely Orbital Rearrangement in the Quadrupolar Heavy Fermion Superconductor PrV_2O_8 . <i>Physical Review Letters</i> , 2019, 122, 256601. | 7.8 | 8 |
| 31 | Superconducting phase diagram of HfS_2 under high magnetic fields. <i>Nature Communications</i> , 2019, 10, 2522. | 12.8 | 62 |
| 32 | Approaching the Intrinsic Limit in Transition Metal Diselenides via Point Defect Control. <i>Nano Letters</i> , 2019, 19, 4371-4379. | 9.1 | 161 |
| 33 | Superconductivity at 250 K in lanthanum hydride under high pressures. <i>Nature</i> , 2019, 569, 528-531. | 27.8 | 960 |
| 34 | Bulk Fermi surface of the Weyl type-II semimetallic candidate NbIrTe_4 . <i>Physical Review B</i> , 2019, 99, . | 3.2 | 20 |
| 35 | Raman and electrical transport properties of few-layered arsenic-doped black phosphorus. <i>Nanoscale</i> , 2019, 11, 18449-18463. | 5.6 | 27 |
| 36 | An ultrafast symmetry switch in a Weyl semimetal. <i>Nature</i> , 2019, 565, 61-66. | 27.8 | 307 |

| # | ARTICLE | IF | CITATIONS |
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| 55 | Bulk Fermi surface of the Weyl type-II semimetallic candidate TaAs . Physical Review B, 2017, 96, . | 3.2 | 20 |
| 56 | Passivating $1T\text{-MoTe}_2$ multilayers at elevated temperatures by encapsulation. Nanoscale, 2017, 9, 13910-13914. | 5.6 | 7 |
| 57 | Fermi surface of the Weyl type-II metallic candidate WTe_2 . Physical Review B, 2017, 96, . | 3.2 | 5 |
| 58 | van der Waals Schottky barriers as interface probes of the correlation between chemical potential shifts and charge density wave formation in TaAs and WTe_2 . Physical Review B, 2017, 96, . | 3.2 | 5 |
| 59 | Possible devil's staircase in the Kondo lattice CeSbSe . Physical Review B, 2017, 96, . | 3.2 | 20 |
| 60 | Electronic in-plane symmetry breaking at field-tuned quantum criticality in CeRhIn_5 . Nature, 2017, 548, 313-317. | 27.8 | 89 |
| 61 | Intricate Resonant Raman Response in Anisotropic ReS_2 . Nano Letters, 2017, 17, 5897-5907. | 9.1 | 66 |
| 62 | Spin excitations and the Fermi surface of superconducting FeS . Npj Quantum Materials, 2017, 2, . | 5.2 | 14 |
| 63 | Magnetic properties of the nanocomposite $\text{CoFe}_2\text{O}_4/\text{FeCo-FeO}$ at a high H/T regime. Journal of Magnetism and Magnetic Materials, 2017, 424, 323-326. | 2.3 | 14 |
| 64 | (Invited) Optoelectronic Components Based on Semiconducting Transition Metal Dichalcogenides. ECS Meeting Abstracts, 2017, , . | 0.0 | 0 |
| 65 | Very Low Temperature Magnetoresistance in the Quadrupole Ordered System $\text{PrV}_2\text{Al}_{20}$. Journal of Physics: Conference Series, 2016, 683, 012012. | 0.4 | 1 |
| 66 | Interplanar coupling-dependent magnetoresistivity in high-purity layered metals. Nature Communications, 2016, 7, 10903. | 12.8 | 44 |
| 67 | Fabrication and characterization of ultraviolet photosensors from ZnO nanowires prepared using chemical bath deposition method. Journal of Applied Physics, 2016, 119, 084306. | 2.5 | 33 |
| 68 | Uncovering the behavior of HfTe_2P and the candidate Dirac metal ZrTe_2P . Journal of Physics Condensed Matter, 2016, 28, 14LT01. | 1.8 | 10 |
| 69 | Hall effect within the colossal magnetoresistive semimetallic state of MoTe_2 . Physical Review B, 2016, 94, . | 3.2 | 69 |
| 70 | Non-Ising-like two-dimensional superconductivity in a bulk single crystal. Physical Review B, 2016, 94, . | 3.2 | 6 |
| 71 | Temperature-pressure phase diagram of cubic Laves phase Au_2Pb . Physical Review B, 2016, 93, . | 3.2 | 14 |
| 72 | Coexistence of Weyl physics and planar defects in the semimetals TaP and TaAs . Physical Review B, 2016, 93, . | 3.2 | 40 |

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| 73 | Photoconductivity of few-layered p -WSe ₂ phototransistors via multi-terminal measurements. 2D Materials, 2016, 3, 041004. | 4.4 | 21 |
| 74 | Atypical Exciton-Phonon Interactions in WS ₂ and WSe ₂ Monolayers Revealed by Resonance Raman Spectroscopy. Nano Letters, 2016, 16, 2363-2368. | 9.1 | 118 |
| 75 | Spin-orbital liquid and quantum critical point in Y Physical Review B, 2015, 91, . | 3.2 | 11 |
| 76 | Field-induced quadrupolar quantum criticality in PrV Physical Review B, 2015, 91, . | 3.2 | 30 |
| 77 | Role of spin-orbit coupling and evolution of the electronic structure of WTe_2 an external magnetic field. Physical Review B, 2015, 92, . | 3.2 | 15 |
| 78 | Hall and field-effect mobilities in few layered p -WSe ₂ field-effect transistors. Scientific Reports, 2015, 5, 8979. | 3.3 | 107 |
| 79 | An Optoelectronic Switch Based on Intrinsic Dual Schottky Diodes in Ambipolar MoSe ₂ Field-Effect Transistors. Advanced Electronic Materials, 2015, 1, 1500215. | 5.1 | 18 |
| 80 | Shubnikov-de Haas Oscillation in the cubic Γ^3 -based heavy fermion superconductor PrV_2Al_{20} . Journal of Physics: Conference Series, 2015, 592, 012026. | 0.4 | 4 |
| 81 | High Photoresponsivity and Short Photoresponse Times in Few-Layered WSe ₂ Transistors. ACS Applied Materials & Interfaces, 2015, 7, 12080-12088. | 8.0 | 111 |
| 82 | Gate-modulated conductance of few-layer WSe ₂ field-effect transistors in the subgap regime: Schottky barrier transistor and subgap impurity states. Applied Physics Letters, 2015, 106, 152104. | 3.3 | 29 |
| 83 | Composite fermions and broken symmetries in graphene. Nature Communications, 2015, 6, 5838. | 12.8 | 84 |
| 84 | Unconventional Fermi surface in an insulating state. Science, 2015, 349, 287-290. | 12.6 | 229 |
| 85 | Field-induced density wave in the heavy-fermion compound CeRhIn ₅ . Nature Communications, 2015, 6, 6663. | 12.8 | 36 |
| 86 | Pronounced Photovoltaic Response from Multilayered Transition-Metal Dichalcogenides PN-Junctions. Nano Letters, 2015, 15, 7532-7538. | 9.1 | 98 |
| 87 | Metal to Insulator Quantum-Phase Transition in Few-Layered ReS ₂ . Nano Letters, 2015, 15, 8377-8384. | 9.1 | 101 |
| 88 | Quantum oscillations in $EuFe_2As_2$ single crystals. Physical Review B, 2014, 90, . | 3.2 | 4 |
| 89 | $CeCu_2$ Challenging our understanding of quantum criticality. Physical Review B, 2014, 90, . | 3.2 | 12 |
| 90 | Entropy of the quantum soliton lattice and multiple magnetization steps in $BiCu_2PO_6$. Physical Review B, 2014, 90, . | 3.2 | 19 |

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| 91 | Critical Current Oscillations in the Intrinsic Hybrid Vortex State of SmFeAs(O,F). Physical Review Letters, 2014, 113, 186402. | 7.8 | 7 |
| 92 | Universal ac conduction in large area atomic layers of CVD-grown MoS ₂ . Physical Review B, 2014, 89, . | 3.2 | 27 |
| 93 | Manifestation of magnetic quantum fluctuations in the dielectric properties of a multiferroic. Nature Communications, 2014, 5, 4419. | 12.8 | 21 |
| 94 | Ambipolar Molybdenum Diselenide Field-Effect Transistors: Field-Effect and Hall Mobilities. ACS Nano, 2014, 8, 7923-7929. | 14.6 | 121 |
| 95 | Field-Effect Transistors Based on Few-Layered \pm -MoTe ₂ . ACS Nano, 2014, 8, 5911-5920. | 14.6 | 333 |
| 96 | CVD-grown monolayered MoS ₂ as an effective photosensor operating at low-voltage. 2D Materials, 2014, 1, 011004. | 4.4 | 195 |
| 97 | New First Order Raman-active Modes in Few Layered Transition Metal Dichalcogenides. Scientific Reports, 2014, 4, 4215. | 3.3 | 367 |
| 98 | Tunable Electronics in Large-Area Atomic Layers of Boron-Nitrogen-Carbon. Nano Letters, 2013, 13, 3476-3481. | 9.1 | 65 |
| 99 | Small and nearly isotropic hole-like Fermi surfaces in LiFeAs detected through de Haas-van Alphen effect. Physical Review B, 2013, 88, . | 3.2 | 14 |
| 100 | Surface electronic structure of the topological Kondo-insulator candidate correlated electron system SmB ₆ . Nature Communications, 2013, 4, 2991. | 12.8 | 308 |
| 101 | Transition from slow Abrikosov to fast moving Josephson vortices in iron pnictide superconductors. Nature Materials, 2013, 12, 134-138. | 27.5 | 43 |
| 102 | Controlled Synthesis and Transfer of Large-Area WS ₂ Sheets: From Single Layer to Few Layers. ACS Nano, 2013, 7, 5235-5242. | 14.6 | 534 |
| 103 | Anomalous hysteresis as evidence for a magnetic-field-induced chiral superconducting state in LiFeAs. Physical Review B, 2013, 87, . | 3.2 | 14 |
| 104 | Intrinsic carrier mobility of multi-layered MoS ₂ field-effect transistors on SiO ₂ . Applied Physics Letters, 2013, 102, 123105. | 3.3 | 108 |
| 105 | Magnetic field-tuned anisotropic multiband superconductivity in Nb ₃ PdSe _{0.7} . Physical Review B, 2013, 87, . | 3.2 | 27 |
| 106 | Vortex lock-in transition and evidence for transitions among commensurate kinked vortex configurations in single-layered Fe arsenides. Physical Review B, 2013, 87, . | 3.2 | 3 |
| 107 | Magnetic field-tuned localization of the f orbitals in URu ₂ Si ₂ . Physical Review B, 2013, 87, . | 3.2 | 14 |
| 108 | Bulk evidence for a time-reversal symmetry broken superconducting state in URu ₂ Si ₂ . Physical Review B, 2013, 88, . | 3.2 | 24 |

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| 109 | Superconductivity with extremely large upper critical fields in Nb ₂ Pd _{0.81} S ₅ . Scientific Reports, 2013, 3, 1446. Orbital, charge, and spin couplings in Ru | 3.3 | 64 |
| 110 | High Pressure Sequence of | 3.2 | 18 |
| 111 | Chemical Pressure Effects on Pyrochlore Spin Ice. Physical Review Letters, 2012, 108, 207206. | 7.8 | 67 |
| 112 | High superconducting anisotropy and weak vortex pinning in Co-doped LaFeAsO. Physical Review B, 2012, 86, . | 3.2 | 11 |
| 113 | Anomalous insulator-metal transition in boron nitride-graphene hybrid atomic layers. Physical Review B, 2012, 86, . | 3.2 | 42 |
| 114 | Superconducting Pairs with Extreme Uniaxial Anisotropy in | 7.8 | 40 |
| 115 | Anisotropic Cascade of Field-Induced Phase Transitions in the Frustrated Spin-Ladder System | 7.8 | 37 |
| 116 | Artificially Stacked Atomic Layers: Toward New van der Waals Solids. Nano Letters, 2012, 12, 3518-3525. | 9.1 | 211 |
| 117 | Sequential Spin Polarization of the Fermi Surface Pockets in | 7.8 | 70 |
| 118 | New | 7.8 | 133 |
| 119 | Lattice | 7.8 | 128 |
| 120 | SC-to-AFM transition in CeCo(In _{1-x} Cdx) ₅ : de Haas-van Alphen Measurements. Journal of Physics: Conference Series, 2011, 273, 012113. | 0.4 | 3 |
| 121 | Floating zone crystal growth and structural distortion of Pb ₂ V ₃ O ₉ . Journal of Crystal Growth, 2011, 321, 120-123. | 1.5 | 3 |
| 122 | Disorder-dependent superconducting phase diagram at high magnetic fields in Fe | 3.2 | 14 |
| 123 | Rearrangement of the antiferromagnetic ordering at high magnetic fields in SmFeAsO and | 3.2 | 189 |
| 124 | Multiband superconductivity in LaFeAsO _{0.9} F _{0.1} single crystals probed by high-field vortex torque magnetometry. Physical Review B, 2011, 83, . | 3.2 | 6 |
| 125 | Anisotropic Hysteretic Hall Effect and Magnetic Control of Chiral Domains in the Chiral Spin States of | 7.8 | 53 |
| 126 | Reorganization of the antiferromagnetic ordering at high magnetic fields in SmFeAsO and | 7.8 | 112 |

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| 127 | Short range ordering in the modified honeycomb lattice compound SrHo ₂ O ₄ . Journal of Physics Condensed Matter, 2011, 23, 164203. | 1.8 | 16 |
| 128 | Magnetoelectric Feedback among Magnetic Order, Polarization, and Lattice in Multiferroic BiFeO ₃ . Journal of the Physical Society of Japan, 2011, 80, 114714. | 1.6 | 40 |
| 129 | High pressure route to generate magnetic monopole dimers in spin ice. Nature Communications, 2011, 2, 478. | 12.8 | 65 |
| 130 | Zooming on the quantum critical point in Nd-LSCO. Physica C: Superconductivity and Its Applications, 2010, 470, S12-S13. | 1.2 | 11 |
| 131 | Atomic layers of hybridized boron nitride and graphene domains. Nature Materials, 2010, 9, 430-435. | 27.5 | 2,002 |
| 132 | Metamagnetic transition in single-crystal Bi_4Mn_5 Physical Review B, 2010, 82, . | 3.2 | 5 |
| 133 | Low-temperature spin dynamics in the kagome system Pr_3Mn_4 Physical Review B, 2010, 81, . | 3.2 | 17 |
| 134 | Possible Bose-Einstein condensate of magnons in single-crystalline $\text{Pb}_2\text{Mn}_2\text{M}_2$ Physical Review B, 2010, 81, . | 3.2 | 17 |
| 135 | Fermi surface evolution through a heavy-fermion superconductor-to-antiferromagnet transition: de Haas-van Alphen effect in Cd-substituted CeCoIn_5 Physical Review B, 2010, 82, . | 3.2 | 14 |
| 136 | Anisotropic phase diagram of the frustrated spin dimer compound $\text{Ba}_3\text{Mn}_3\text{M}_2$ Physical Review B, 2010, 81, . | 3.2 | 16 |
| 137 | Magnetic field induced quantum phase transition of the $S=12$ antiferromagnet K_2NaCrO_8 . Physical Review B, 2010, 81, . | 3.2 | 7 |
| 138 | Unusual metamagnetism in CeIrIn_5 . Physical Review B, 2009, 80, . | 3.2 | 14 |
| 139 | Hall plateaus at magic angles in bismuth beyond the quantum limit. Physical Review B, 2009, 79, . | 3.2 | 19 |
| 140 | Role of f Electrons in the Fermi Surface of the Heavy Fermion Superconductor YbAlB_4 Physical Review Letters, 2009, 102, 216402. | 7.8 | 29 |
| 141 | Chemical Pressure Induced Spin Freezing Phase Transition in Kagome Pr Langasites. Physical Review Letters, 2009, 102, 067203. | 7.8 | 22 |
| 142 | Magnetic-field-induced log-T-insulating behavior in the resistivity of fluorine-doped $\text{SmFeAsO}_{1-x}\text{F}_x$. Physical Review B, 2009, 79, . | 3.2 | 16 |
| 143 | Bose-Einstein condensation of triplons in $\text{Ba}_3\text{Mn}_3\text{M}_2$ Physical Review B, 2009, 79, . | 3.2 | 55 |
| 144 | High-field de Haas-van Alphen studies of the Fermi surfaces of LaMIn_5 ($M=\text{Co}, \text{Rh}, \text{Ir}$). Physical Review B, 2009, 79, . | 3.2 | 7 |

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| 145 | Small anisotropy, weak thermal fluctuations, and high field superconductivity in Co-doped iron pnictide $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$. Applied Physics Letters, 2009, 94, . | 3.3 | 337 |
| 146 | Tracking anisotropic scattering in overdoped $\text{Tl}_2\text{Ba}_2\text{CuO}_{6+\delta}$ above 100K . New Journal of Physics, 2009, 11, 055057. | 2.9 | 31 |
| 147 | Physical Properties of Single-Crystalline CaRuO_3 Grown by a Floating-Zone Method. Journal of the Physical Society of Japan, 2009, 78, 014701. | 1.6 | 21 |
| 148 | Itinerant spin excitations near the hidden order transition in URu_2Si_2 . Journal of Physics Condensed Matter, 2009, 21, 192202. | 1.8 | 24 |
| 149 | Linear temperature dependence of resistivity and change in the Fermi surface at the pseudogap critical point of a high-Tc superconductor. Nature Physics, 2009, 5, 31-34. | 16.7 | 185 |
| 150 | High-field phase-diagram of Fe arsenide superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 566-574. | 1.2 | 30 |
| 151 | $\text{Ba}_3\text{NbFe}_3\text{Si}_2\text{O}_{14}$: A New Multiferroic with a 2D Triangular Fe^{3+} Motif. Chemistry of Materials, 2009, 21, 156-159. | 6.7 | 62 |
| 152 | 3:1 magnetization plateau and suppression of ferroelectric polarization in an Ising chain multiferroic. Physical Review B, 2009, 79, . | 3.2 | 49 |
| 153 | Metamagnetism in CeIrIn_5 : Magnetoresistance and dHvA investigation. Physica B: Condensed Matter, 2008, 403, 797-799. | 2.7 | 2 |
| 154 | Normal state anisotropic scattering in overdoped $\text{Tl}_2\text{Ba}_2\text{CuO}_{6+\delta}$. Physica B: Condensed Matter, 2008, 403, 982-985. | 2.7 | 3 |
| 155 | Anisotropic scattering and superconductivity in high- cuprates. Journal of Physics and Chemistry of Solids, 2008, 69, 3191-3194. | 4.0 | 0 |
| 156 | Pressure effect on the magnetic field-temperature phase diagram of. Physica B: Condensed Matter, 2008, 403, 749-751. | 2.7 | 4 |
| 157 | Local Moment, Itinerancy, and Deviation from Fermi Liquid Behavior in CoO . Physical Review Letters, 2008, 100, 126405. | 7.8 | 32 |
| 158 | Superconductivity and quantum criticality in the heavy-fermion system YbAlB_4 . Nature Physics, 2008, 4, 603-607. | 16.7 | 307 |
| 159 | Upper critical fields and thermally-activated transport of NdFeAsO crystal. Physical Review B. 2008, 78, . | 3.2 | 303 |
| 160 | Dynamic Spin Ice: Pr_2O_7 . Physical Review Letters, 2008, 101, 227204. | 7.8 | 92 |
| 161 | Ordered magnetic phases of the frustrated spin-dimer compound $\text{Ba}_3\text{Cu}_2\text{Sb}_7$. Physical Review B, 2008, 77, . | 3.2 | 38 |
| 162 | Dynamic Spin correlations in stuffed spin ice $\text{Ho}_2\text{Ti}_2\text{O}_7$. Physical Review B, 2008, 77, . | 16 | 16 |

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| 163 | Magnetic transitions and spin dynamics in the $3d1$ system K_2NaCrO_8 investigated by magnetization and ^{23}Na NMR. Physical Review B, 2008, 78, . | 3.2 | 4 |
| 164 | Magnetic-polaron-driven magnetoresistance in the pyrochlore $Lu_2V_2O_7$. Physical Review B, 2008, 77, . | 3.2 | 24 |
| 165 | Intrinsic spin-disordered ground state of the Ising garnet $Ho_3Ga_5O_{12}$. Physical Review B, 2008, 78, . | 3.2 | 12 |
| 166 | Low temperature physical properties of a Ni-Mo-Cr alloy $Haynes\hat{\otimes} 242_{\hat{a}}$. Journal of Applied Physics, 2007, 101, 123710. | 2.5 | 5 |
| 167 | Partial Field-Induced Magnetic Order in the Spin-Liquid Kagomé Cd_3As_2 . Physical Review Letters, 2007, 99, 236401. | 7.8 | 29 |
| 168 | Correlation between the Superconducting Transition Temperature and Anisotropic Quasiparticle Scattering in $Ba_2Tl_2Cu_3O_{7-x}$. Physical Review Letters, 2007, 99, 107002. | 7.8 | 78 |
| 169 | Orbital-dependent metamagnetic response in $Sr_4Ru_3O_{10}$. Physical Review B, 2007, 75, . | 3.2 | 18 |
| 170 | 1H -NMR spin-echo measurements of the spin dynamic properties in $(BETS)_2FeCl_4$. Physical Review B, 2007, 75, . | 3.2 | 1 |
| 171 | Angle-dependent magnetoresistance measurements in $Tl_2Ba_2CuO_6 + \hat{f}$ and the need for anisotropic scattering. Physical Review B, 2007, 76, . | 3.2 | 32 |
| 172 | Evolution of the Fermi Surface and Quasiparticle Renormalization through a van Hove Singularity in $Sr_2Cu_2O_7$. Physical Review Letters, 2007, 99, 187001. | 7.8 | 56 |
| 173 | Orbital-Ordering Transition in V_2O_8 . Physical Review Letters, 2007, 99, 136403. | 7.8 | 16 |
| 174 | Field-Induced Fermi Surface Reconstruction and Adiabatic Continuity between Antiferromagnetism and the Hidden-Order State in URu_2Si_2 . Physical Review Letters, 2007, 98, 166404. | 7.8 | 66 |
| 175 | Anisotropic superconductivity in bulk Ca_6C_6 . Physical Review B, 2007, 76, . | 3.2 | 19 |
| 176 | Unique f-level resonant state within the gap in $Ce_3Au_3Sb_4$ single crystals: Magnetic, thermal, and transport properties. Physical Review B, 2007, 76, . | 3.2 | 5 |
| 177 | Signatures of Electron Fractionalization in Ultraquantum Bismuth. Science, 2007, 317, 1729-1731. | 12.6 | 144 |
| 178 | The origin of persistent spin dynamics and residual entropy in the stuffed spin ice $Ho_2.3Ti_{1.7}O_7$. Journal of Physics Condensed Matter, 2007, 19, 342201. | 1.8 | 18 |
| 179 | Field induced metastabilities in $U(Ru_{0.96}Rh_{0.04})_2Si_2$. Physica C: Superconductivity and Its Applications, 2007, 460-462, 682-683. | 1.2 | 0 |
| 180 | BEC phase boundary in. Journal of Magnetism and Magnetic Materials, 2007, 310, e460-e462. | 2.3 | 4 |

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| 181 | Gapped itinerant spin excitations account for missing entropy in the hidden-order state of URu ₂ Si ₂ . Nature Physics, 2007, 3, 96-99. | 16.7 | 162 |
| 182 | Electron pockets in the Fermi surface of hole-doped high-T _c superconductors. Nature, 2007, 450, 533-536. | 27.8 | 443 |
| 183 | Magnetic Field-Induced Quantum Critical Point in CeAuSb ₂ . AIP Conference Proceedings, 2006, , . | 0.4 | 1 |
| 184 | Metallic Spin-Liquid Behavior of the Geometrically Frustrated Kondo Lattice Pr ₂ Ir ₂ O ₇ . Physical Review Letters, 2006, 96, 087204. | 7.8 | 312 |
| 185 | Metamagnetism and Non-Fermi Liquid Behavior in CeIrIn ₅ . AIP Conference Proceedings, 2006, , . | 0.4 | 0 |
| 186 | Bose-Einstein condensation in BaCuSi ₂ O ₆ . Journal of Physics: Conference Series, 2006, 51, 9-14. | 0.4 | 3 |
| 187 | Shubnikov-de Haas effect across a metamagnetic transition in high quality single crystals of Sr ₄ Ru ₃ O ₁₀ . Journal of Physics: Conference Series, 2006, 51, 247-250. | 0.4 | 2 |
| 188 | Field-Induced Fermi Surface Reconstruction in Na _{0.5} CoO ₂ . AIP Conference Proceedings, 2006, , . | 0.4 | 0 |
| 189 | Anisotropic scattering and anomalous normal-state transport in a high-temperature superconductor. Nature Physics, 2006, 2, 821-825. | 16.7 | 148 |
| 190 | Dimensional reduction at a quantum critical point. Nature, 2006, 441, 617-620. | 27.8 | 211 |
| 191 | Lattice involvement in low temperature phase of U(Ru,Rh) ₂ Si ₂ . Physica B: Condensed Matter, 2006, 378-380, 82-83. | 2.7 | 0 |
| 192 | Sr ₂ RhO ₄ : a new, clean correlated electron metal. New Journal of Physics, 2006, 8, 175-175. | 2.9 | 54 |
| 193 | Shubnikov-de Haas Effect in the Metallic State of Na _{0.3} CoO ₂ . Physical Review Letters, 2006, 97, 126401. | 7.8 | 29 |
| 194 | Proton NMR measurements of the local magnetic field in the paramagnetic metal and antiferromagnetic insulator phases of (BETS) ₂ FeCl ₄ . Physical Review B, 2006, 74, . | 3.2 | 9 |
| 195 | Specific heat of geometrically frustrated and multiferroic RMn _{1-x} Ga _x O ₃ (R=Ho,Y). Physical Review B, 2006, 74, . | 3.2 | 20 |
| 196 | Irreversible Dynamics of the Phase Boundary in U(Ru _{0.96} Rh _{0.04}) ₂ Si ₂ and Implications for Ordering. Physical Review Letters, 2006, 96, 136403. | 7.8 | 21 |
| 197 | Suppression of the $\sqrt{3} \times \sqrt{3}$ structural phase transition in Ce _{0.8} La _{0.1} Th _{0.1} by large magnetic fields. Journal of Physics Condensed Matter, 2005, 17, L77-L83. | 1.8 | 33 |
| 198 | Characteristic Bose-Einstein condensation scaling close to a quantum critical point in BaCuSi ₂ O ₆ . Physical Review B, 2005, 72, . | 3.2 | 76 |

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|-----|--|------|-----------|
| 199 | Shubnikovâ€™de Haas Oscillations and the Magnetic-Field-Induced Suppression of the Charge Ordered State in Na _{0.5} CoO ₂ . Physical Review Letters, 2005, 94, 236402. | 7.8 | 32 |
| 200 | Severe Fermi Surface Reconstruction at a Metamagnetic Transition in Ca ₂ âˆ™xSrxRuO ₄ (for 0.2â‰‰xâ‰‰0.5). Physical Review Letters, 2005, 95, 196407. | 7.8 | 23 |
| 201 | de Haasâ€™van Alphen effect investigation of the electronic structure of Al-substituted MgB ₂ . Physical Review B, 2005, 72, . | 3.2 | 18 |
| 202 | Magnetic field-tuned quantum critical point in CeAuSb ₂ . Physical Review B, 2005, 72, . | 3.2 | 60 |
| 203 | Pressure-induced enhancement of the transition temperature of the magnetic-field-induced superconducting state in Î»âˆ™(BETS) ₂ FeCl ₄ . Physical Review B, 2004, 70, . | 3.2 | 7 |
| 204 | Extension of the temperature-magnetic field phase diagram of CeB ₆ . Physical Review B, 2004, 69, . | 3.2 | 32 |
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