

Raquel A. Ribeiro

List of Publications by Year in descending order

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times ranked

2299
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Small-moment antiferromagnetic ordering in single-crystalline LaMnO_2 . Physical Review B, 2022, 105, . | 8.2 | 16 |
| 2 | Effects of external pressure on the narrow-gap semiconductor CeMn_3Sb_7 . Physical Review B, 2022, 105, . | 3.3 | 11 |
| 3 | Tuning of Cr-Cr Magnetic Exchange through Chalcogenide Linkers in Cr_2 Molecular Dimers. Inorganic Chemistry, 2022, 61, 6160-6174. | 4.0 | 1 |
| 4 | Pseudo-Polymorphism in Layered FeS Intercalates: A Competition between Charged and Neutral Guest Species. Chemistry of Materials, 2022, 34, 5397-5408. | 6.7 | 4 |
| 5 | Lithium nickel borides: evolution of [NiB] layers driven by Li pressure. Inorganic Chemistry Frontiers, 2021, 8, 1675-1685. | 6.0 | 7 |
| 6 | Solution Growth of Intermetallic Single Crystals. , 2021, , 49-66. | | 0 |
| 7 | Topochemical Deintercalation of Li from Layered LiNiB: toward 2D MBene. Journal of the American Chemical Society, 2021, 143, 4213-4223. | 13.7 | 28 |
| 8 | Flat band carrier confinement in magic-angle twisted bilayer graphene. Nature Communications, 2021, 12, 4180. | 12.8 | 22 |
| 9 | Study of the magnetic properties of YbMn_2Sb_2 single crystals by ^1H NMR. Journal of Magnetism and Magnetic Materials, 2021, 537, 168149. | 2.3 | 0 |
| 10 | Characterization of the pressure coefficient of manganin and temperature evolution of pressure in piston-cylinder cells. Review of Scientific Instruments, 2020, 91, 095103. | 1.3 | 7 |
| 11 | Impact of nematicity on the relationship between antiferromagnetic fluctuations and superconductivity in FeSe . Physical Review B, 2020, 101, . | 1.3 | 7 |
| 12 | Enhancement of interlayer exchange in an ultrathin two-dimensional magnet. Nature Physics, 2019, 15, 1255-1260. | 16.7 | 165 |
| 13 | A Hydride Route to Ternary Alkali Metal Borides: A Case Study of Lithium Nickel Borides. Chemistry - A European Journal, 2019, 25, 4123-4135. | 3.3 | 22 |
| 14 | Anomalous magnetotransport properties of high-quality single crystals of Weyl semimetal WTe_2 : Sign change of Hall resistivity. Physica B: Condensed Matter, 2018, 536, 68-71. | 2.7 | 4 |
| 15 | Pressure-induced multiple phase transformations of the BaBi_3 superconductor. Physical Review B, 2018, 98, . | 3.2 | 8 |
| 16 | Anisotropy in the electronic transport properties of Weyl semimetal WTe_2 single crystals. AIP Advances, 2018, 8, 101332. | 1.3 | 9 |
| 17 | Structure, magnetism, and transport of single-crystalline RNi_2S_2 ($\text{R} = \text{Y}, \text{Gd}, \text{Tm}, \text{Lu}$). Physical Review B, 2017, 95, . | 2.4 | 6 |
| 18 | Magnetic order of intermetallic FeGa_3 . Physical Review B, 2017, 95, . | 3.2 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Hydrostatic pressure effect on the superconducting properties of BaBi3 and SrBi3 single crystals. Superconductor Science and Technology, 2017, 30, 025015. | 3.5 | 11 |
| 20 | Temperature-independent band structure of WTe_2 as observed from angle-resolved photoemission spectroscopy. Physical Review B, 2017, 96, . | 3.2 | 18 |
| 21 | - and $Yb_{1-x}Fe_x$ -doped hexagonal $NaYF_4$ | 3.2 | 12 |
| 22 | An uncompensated semimetal with extremely large magnetoresistance. Physical Review B, 2017, 95, . | 3.2 | 11 |
| 23 | Emergence of competing magnetic interactions induced by Ge doping in the semiconductor $FeGa_3$. Physical Review B, 2016, 94, . | 3.2 | 9 |
| 24 | Tuning the electronic hybridization in the heavy fermion cage compound $YbFe_2Zn_{20}$ with Cd doping. Journal of Physics Condensed Matter, 2016, 28, 375601. | 1.8 | 9 |
| 25 | Low temperature transport and thermodynamic properties of the Zintl compound $Yb_{11}AlSb_9$: A new Kondo lattice semiconductor. Journal of Alloys and Compounds, 2016, 669, 60-65. | 5.5 | 5 |
| 26 | Magnetic properties of Gd_3T_5 | 3.2 | 5 |
| 27 | Single Crystal Growth and Magnetic Characterization of $RNiSi_3$ (R = Dy, Ho). Physics Procedia, 2015, 75, 545-551. | 1.2 | 4 |
| 28 | Electronic structure of $YbNi_3X_3$ (X = Si, Ge) studied by hard X-ray photoemission spectroscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 620-623. | 0.8 | 2 |
| 29 | Conduction electron spin resonance in the $Yb_{1-x}Fe_xAlB_4$ ($0 \leq x \leq 0.50$) and $LuAlB_4$ compounds. Journal of Physics Condensed Matter, 2015, 27, 255601. | 1.8 | 2 |
| 30 | Gd^{3+} spin lattice relaxation via multi-band conduction electrons in Y_3GdIn_3 : an electron spin resonance study. Journal of Physics Condensed Matter, 2014, 26, 175501. | 1.8 | 10 |
| 31 | Yb_3In_3 investigated by resonant x-ray emission spectroscopy at the Yb L ₃ edge. Physical Review B, 2014, 89, . | 3.2 | 20 |
| 32 | Thermodynamic and Transport Study of Electron- and Hole-Doped MGa_3 Single Crystals ($M = Fe, Co$). Journal of Electronic Materials, 2014, 43, 1988-1992. | 2.2 | 8 |
| 33 | Magnetotransport properties and Seebeck effect in the superconductor $FeSe_{0.5}Te_{0.5}$. Journal of Physics: Conference Series, 2014, 480, 012016. | 0.4 | 1 |
| 34 | Synthesis and Characterization of $BaFe_2As_2$ Single Crystals Grown by In-flux Technique. Brazilian Journal of Physics, 2013, 43, 223-229. | 1.4 | 17 |
| 35 | $EuGa_8$ | 3.2 | 9 |
| 36 | Conduction electron spin resonance in AlB_2 . Journal of Physics Condensed Matter, 2013, 25, 216001. | 1.8 | 5 |

| # | ARTICLE | IF | CITATIONS |
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| 37 | Complex mixed state of the Pauli-limited superconductor CeCoIn ₅ . Physical Review B, 2012, 85, . | 3.2 | 7 |
| 38 | Electron spin resonance of the intermetallic antiferromagnet EuIn ₂ As ₂ . Physical Review B, 2012, 86, . | 3.2 | 20 |
| 39 | Single crystal flux growths of thermoelectric materials. Philosophical Magazine, 2012, 92, 2492-2507. | 1.6 | 29 |
| 40 | Twofold surface of the decagonal Al-Cu-Co quasicrystal. Physical Review B, 2009, 80, . | 3.2 | 14 |
| 41 | Magnetic properties of R Pd ₅ Al ₂ (R =Y, Ce, Pr, Nd, Sm, Gd). Physica B: Condensed Matter, 2009, 404, 2946-2948. | 2.7 | 15 |
| 42 | Giant Uniaxial Anisotropy in the Magnetic and Transport Properties of CePd ₅ Al ₂ . Journal of the Physical Society of Japan, 2008, 77, 074708. | 1.6 | 23 |
| 43 | Low-temperature thermoelectric properties of Yb ₁₄ MSb ₁₁ (M = Mn, Zn). Journal of Physics Condensed Matter, 2007, 19, 376211. | 1.8 | 10 |
| 44 | A Kondo Lattice Antiferromagnet CePd ₅ Al ₂ . Journal of the Physical Society of Japan, 2007, 76, 123710. | 1.6 | 27 |
| 45 | Scanning tunnelling microscopy and spectroscopy of MgB ₂ . Journal of Physics: Conference Series, 2007, 61, 278-282. | 0.4 | 30 |
| 46 | Tribological properties of quasicrystals: Effect of aperiodic versus periodic surface order. Physical Review B, 2006, 74, . | 3.2 | 39 |
| 47 | Tunneling spectroscopy of single-crystal clathrate Ba ₈ Ga ₁₆ Sn ₃₀ . Physica B: Condensed Matter, 2006, 383, 126-127. | 2.7 | 1 |
| 48 | Adhesion properties of decagonal quasicrystals in ultrahigh vacuum. Philosophical Magazine, 2006, 86, 945-950. | 1.6 | 19 |
| 49 | Effect of pressure and chemical substitutions on the charge-density-wave in LaAgSb ₂ . Physical Review B, 2006, 73, . | 3.2 | 20 |
| 50 | Point-contact spectroscopy measurements of binary superconductor MgB ₂ . Physica C: Superconductivity and Its Applications, 2005, 426-431, 300-303. | 1.2 | 4 |
| 51 | Break-junction tunneling spectra of MgB ₂ : Influence of boron quality. Physica C: Superconductivity and Its Applications, 2005, 426-431, 450-453. | 1.2 | 1 |
| 52 | Electrical resistivity and tunneling anomalies in CeCuAs ₂ . Physica B: Condensed Matter, 2005, 359-361, 108-110. | 2.7 | 11 |
| 53 | Current carrier localization and Coulomb gap observed in SrPbO ₃ by transport measurements and tunnel spectroscopy. Journal of Physics Condensed Matter, 2005, 17, 7407-7416. | 1.8 | 5 |
| 54 | High Frictional Anisotropy of Periodic and Aperiodic Directions on a Quasicrystal Surface. Science, 2005, 309, 1354-1356. | 12.6 | 189 |

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| 55 | Publisher's Note: Elastic and inelastic deformations of ethylene-passivated tenfold decagonal Al-Ni-Co quasicrystal surfaces [Phys. Rev. B 71, 144203 (2005)]. Physical Review B, 2005, 71, . | 3.2 | 0 |
| 56 | Magnetic-field-induced density of states in MgB ₂ : Spin susceptibility measured by conduction-electron spin resonance. Physical Review B, 2005, 72, . | 3.2 | 9 |
| 57 | Elastic and inelastic deformations of ethylene-passivated tenfold decagonal Al-Ni-Co quasicrystal surfaces. Physical Review B, 2005, 71, . | 3.2 | 34 |
| 58 | Thermodynamics of MgB ₂ by Calorimetry and Knudsen Thermogravimetry. IEEE Transactions on Applied Superconductivity, 2005, 15, 3227-3229. | 1.7 | 13 |
| 59 | Sensing Dipole Fields at Atomic Steps with Combined Scanning Tunneling and Force Microscopy. Physical Review Letters, 2005, 95, 136802. | 7.8 | 48 |
| 60 | Atomic scale coexistence of periodic and quasiperiodic order in a 2-fold Al-Ni-Co decagonal quasicrystal surface. Physical Review B, 2005, 72, . | 3.2 | 26 |
| 61 | Anisotropy and internal-field distribution of MgB ₂ in the mixed state at low temperatures. Physical Review B, 2004, 70, . | 3.2 | 27 |
| 62 | Absence of a boron isotope effect in the magnetic penetration depth of MgB ₂ . Physical Review B, 2004, 70, . | 3.2 | 16 |
| 63 | Energy gaps in carbon-substituted MgB ₂ . Physica C: Superconductivity and Its Applications, 2004, 408-410, 610-611. | 1.2 | 4 |
| 64 | Critical fluctuations in the carbon-doped magnesium diboride. Physica C: Superconductivity and Its Applications, 2004, 404, 195-199. | 1.2 | 31 |
| 65 | Growth and physical properties of the decagonal Al-Cu-Co quasicrystal grown from the ternary melt. Philosophical Magazine, 2004, 84, 1291-1302. | 1.6 | 15 |
| 66 | Detailed study of the magnetic phase transitions in single crystalline HoNi ₂ B ₂ C and DyNi ₂ B ₂ C. Journal of Magnetism and Magnetic Materials, 2003, 267, 216-223. | 2.3 | 16 |
| 67 | Synthesis and Properties of YbB ₂ . ChemInform, 2003, 34, no. | 0.0 | 0 |
| 68 | Disorder effects at low temperatures in La _{0.7-x} Y _x Ca _{0.3} MnO ₃ manganites. Solid State Communications, 2003, 127, 683-687. | 1.9 | 8 |
| 69 | Effects of boron purity, Mg stoichiometry and carbon substitution on properties of polycrystalline MgB ₂ . Physica C: Superconductivity and Its Applications, 2003, 385, 16-23. | 1.2 | 72 |
| 70 | Carbon doping of superconducting magnesium diboride. Physica C: Superconductivity and Its Applications, 2003, 384, 227-236. | 1.2 | 162 |
| 71 | Crystal chemistry of carbon-substituted MgB ₂ . Physica C: Superconductivity and Its Applications, 2003, 387, 301-306. | 1.2 | 218 |
| 72 | Synthesis and properties of YbB ₂ . Journal of Alloys and Compounds, 2003, 358, 56-64. | 5.5 | 25 |

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|----|--|-----|-----------|
| 73 | Evolution from long-range order to Kondo lattice in $Gd_{1-x}Yb_xNi_2B_2C$. <i>Physical Review B</i> , 2003, 68, . | 3.2 | 4 |
| 74 | Two-band/two-gap superconductivity in carbon-substituted MgB_2 evidenced by point-contact spectroscopy. <i>Physical Review B</i> , 2003, 68, . | 3.2 | 53 |
| 75 | Effects of stoichiometry, purity, etching and distilling on resistance of MgB_2 pellets and wire segments. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 382, 194-202. | 1.2 | 44 |
| 76 | Scaling of nonlinear complex susceptibility applied to the study of type-II superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 354, 165-172. | 1.2 | 8 |
| 77 | Scaling analysis of magnetization curves based on collective flux creep for YBCO. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 354, 227-231. | 1.2 | 0 |
| 78 | Josephson coupling between superconducting clusters in high- T_c materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 367-369. | 2.3 | 2 |
| 79 | Irreversible magnetization under rotating fields and lock-in effect on a $ErBa_2Cu_3O_{7-\delta}$ single crystal with columnar defects. <i>Physical Review B</i> , 2001, 64, . | 3.2 | 14 |
| 80 | Angular dependence of the bulk nucleation field H_{c2} of aligned MgB_2 crystallites. <i>Physical Review B</i> , 2001, 64, . | 3.2 | 18 |
| 81 | Anisotropic Superconducting Properties of Aligned MgB_2 Crystallites. <i>Physical Review Letters</i> , 2001, 86, 5974-5977. | 7.8 | 135 |
| 82 | Critical current study using ac susceptibility measurements in $ErBa_2Cu_3O_{7-\delta}$ crystal showing the fishtail effect. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 1291-1292. | 1.2 | 2 |
| 83 | Josephson coupling between superconducting clusters in $Bi_2Sr_2CaCu_2O_{8+\delta}$ crystals. <i>Europhysics Letters</i> , 2000, 51, 174-180. | 2.0 | 8 |
| 84 | Diamagnetic peaks in magnetization versus temperature curves caused by flux trapped relaxation observed in $YBa_2Cu_3O_{7-\delta}$ samples. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 282-287, 2251-2252. | 1.2 | 0 |
| 85 | Path Less Traveled: A Contemporary Twist on Synthesis and Traditional Structure Solution of Metastable $LiNi_{12}B_8$. <i>ACS Materials Au</i> , 0, . | 6.0 | 3 |