

Raquel A. Ribeiro

List of Publications by Year in descending order

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87
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87
docs citations

87
times ranked

2299
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal chemistry of carbon-substituted MgB ₂ . Physica C: Superconductivity and Its Applications, 2003, 387, 301-306.	1.2	218
2	High Frictional Anisotropy of Periodic and Aperiodic Directions on a Quasicrystal Surface. Science, 2005, 309, 1354-1356.	12.6	189
3	Enhancement of interlayer exchange in an ultrathin two-dimensional magnet. Nature Physics, 2019, 15, 1255-1260.	16.7	165
4	Carbon doping of superconducting magnesium diboride. Physica C: Superconductivity and Its Applications, 2003, 384, 227-236.	1.2	162
5	Anisotropic Superconducting Properties of Aligned MgB ₂ Crystallites. Physical Review Letters, 2001, 86, 5974-5977.	7.8	135
6	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
7	Two-band/two-gap superconductivity in carbon-substituted MgB ₂ evidenced by point-contact spectroscopy. Physical Review B, 2003, 68, .	3.2	53
8	Sensing Dipole Fields at Atomic Steps with Combined Scanning Tunneling and Force Microscopy. Physical Review Letters, 2005, 95, 136802.	7.8	48
9	$\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{MoTe} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mdiv} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Te}$ An uncompensated semimetal with extremely large magnetoresistance. Physical Review B, 2017, 95, .	1.2	44
10	Effects of stoichiometry, purity, etching and distilling on resistance of MgB ₂ pellets and wire segments. Physica C: Superconductivity and Its Applications, 2002, 382, 194-202.	1.2	44
11	Tribological properties of quasicrystals: Effect of aperiodic versus periodic surface order. Physical Review B, 2006, 74, .	3.2	39
12	Elastic and inelastic deformations of ethylene-passivated tenfold decagonal Al ₇₀ Ni ₁₀ Co quasicrystal surfaces. Physical Review B, 2005, 71, .	3.2	34
13	Critical fluctuations in the carbon-doped magnesium diboride. Physica C: Superconductivity and Its Applications, 2004, 404, 195-199.	1.2	31
14	Scanning tunnelling microscopy and spectroscopy of MgB ₂ . Journal of Physics: Conference Series, 2007, 61, 278-282.	0.4	30
15	Single crystal flux growths of thermoelectric materials. Philosophical Magazine, 2012, 92, 2492-2507.	1.6	29
16	Topochemical Deintercalation of Li from Layered LiNiB: toward 2D MBene. Journal of the American Chemical Society, 2021, 143, 4213-4223.	13.7	28
17	Anisotropy and internal-field distribution of MgB ₂ in the mixed state at low temperatures. Physical Review B, 2004, 70, .	3.2	27
18	A Kondo Lattice Antiferromagnet CePd ₅ Al ₂ . Journal of the Physical Society of Japan, 2007, 76, 123710.	1.6	27

#	ARTICLE	IF	CITATIONS
19	Atomic scale coexistence of periodic and quasiperiodic order in a 2-fold Al-Ni-Co decagonal quasicrystal surface. <i>Physical Review B</i> , 2005, 72, .	3.2	26
20	Synthesis and properties of YbB ₂ . <i>Journal of Alloys and Compounds</i> , 2003, 358, 56-64.	5.5	25
21	Giant Uniaxial Anisotropy in the Magnetic and Transport Properties of CePd ₅ Al ₂ . <i>Journal of the Physical Society of Japan</i> , 2008, 77, 074708.	1.6	23
22	A Hydride Route to Ternary Alkali Metal Borides: A Case Study of Lithium Nickel Borides. <i>Chemistry - A European Journal</i> , 2019, 25, 4123-4135.	3.3	22
23	Flat band carrier confinement in magic-angle twisted bilayer graphene. <i>Nature Communications</i> , 2021, 12, 4180.	12.8	22
24	Effect of pressure and chemical substitutions on the charge-density-wave in LaAgSb ₂ . <i>Physical Review B</i> , 2006, 73, .	3.2	20
25	Electron spin resonance of the intermetallic antiferromagnet Euln ₂ As ₂ . <i>Physical Review B</i> , 2012, 86, .	3.2	20
26	Pressure-induced valence change of YbNiGe investigated by resonant x-ray emission spectroscopy at the Yb $L_{3/2}$ edge. <i>Physical Review B</i> , 2014, 89, .	3.2	20
27	Adhesion properties of decagonal quasicrystals in ultrahigh vacuum. <i>Philosophical Magazine</i> , 2006, 86, 945-950.	1.6	19
28	Angular dependence of the bulk nucleation field H_c2 of aligned MgB ₂ crystallites. <i>Physical Review B</i> , 2001, 64, .	3.2	18
29	Synthesis and Characterization of BaFe ₂ As ₂ Single Crystals Grown by In-flux Technique. <i>Brazilian Journal of Physics</i> , 2013, 43, 223-229.	1.4	17
30	Detailed study of the magnetic phase transitions in single crystalline HoNi ₂ B ₂ C and DyNi ₂ B ₂ C. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 267, 216-223.	2.3	16
31	Absence of a boron isotope effect in the magnetic penetration depth of MgB ₂ . <i>Physical Review B</i> , 2004, 70, .	3.2	16
32	Growth and physical properties of the decagonal Al ₁₃ Cu ₃ Co quasicrystal grown from the ternary melt. <i>Philosophical Magazine</i> , 2004, 84, 1291-1302.	1.6	15
33	Magnetic properties of R Pd ₅ Al ₂ (R = Y, Ce, Pr, Nd, Sm, Gd). <i>Physica B: Condensed Matter</i> , 2009, 404, 2946-2948.	2.7	15
34	Irreversible magnetization under rotating fields and lock-in effect on a ErBa ₂ Cu ₃ O _{7-δ} single crystal with columnar defects. <i>Physical Review B</i> , 2001, 64, .	3.2	14
35	Twofold surface of the decagonal Al-Cu-Co quasicrystal. <i>Physical Review B</i> , 2009, 80, .	3.2	14
36	Thermodynamics of MgB_2 by Calorimetry and Knudsen Thermogravimetry. <i>IEEE Transactions on Applied Superconductivity</i> , 2005, 15, 3227-3229.	1.7	13

#	ARTICLE	IF	CITATIONS
37	field effects in $\text{Yb}_{1-x}\text{Mn}_x\text{Sb}$ and $\text{Yb}_{1-x}\text{Zn}_x\text{Sb}$ doped hexagonal YbMnSb and YbZnSb . <i>Physical Review B</i> , 2017, 96, 080401.	2.7	11
38	Electrical resistivity and tunneling anomalies in CeCuAs_2 . <i>Physica B: Condensed Matter</i> , 2005, 359-361, 108-110.	2.7	11
39	Hydrostatic pressure effect on the superconducting properties of BaBi_3 and SrBi_3 single crystals. <i>Superconductor Science and Technology</i> , 2017, 30, 025015.	3.5	11
40	Low-temperature thermoelectric properties of $\text{Yb}_{14}\text{Mn}_{11}$ ($M = \text{Mn, Zn}$). <i>Journal of Physics Condensed Matter</i> , 2007, 19, 376211.	1.8	10
41	Gd^{3+} spin-lattice relaxation via multi-band conduction electrons in $\text{Y}_{1-x}\text{Gd}_x\text{In}_3$: an electron spin resonance study. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 175501.	1.8	10
42	Magnetic-field-induced density of states in MgB_2 : Spin susceptibility measured by conduction-electron spin resonance. <i>Physical Review B</i> , 2005, 72, .	3.2	9
43	Magnetic polaron effect in $\text{Sr}_{1-x}\text{Eu}_x\text{Mn}_2\text{O}_7$. <i>Physical Review B</i> , 2005, 72, .	3.2	9
44	Emergence of competing magnetic interactions induced by Ge doping in the semiconductor FeGa_3 . <i>Physical Review B</i> , 2016, 94, .	3.2	9
45	Tuning the electronic hybridization in the heavy fermion cage compound $\text{YbFe}_2\text{Zn}_{20}$ with Cd doping. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 375601.	1.8	9
46	Anisotropy in the electronic transport properties of Weyl semimetal WTe_2 single crystals. <i>AIP Advances</i> , 2018, 8, 101332.	1.3	9
47	Josephson coupling between superconducting clusters in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ crystals. <i>Europhysics Letters</i> , 2000, 51, 174-180.	2.0	8
48	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
49	Disorder effects at low temperatures in $\text{La}_{0.7-x}\text{Y}_x\text{Ca}_{0.3}\text{MnO}_3$ manganites. <i>Solid State Communications</i> , 2003, 127, 683-687.	1.9	8
50	Thermodynamic and Transport Study of Electron- and Hole-Doped MgGa_3 Single Crystals ($M = \text{Fe, Co}$). <i>Journal of Electronic Materials</i> , 2014, 43, 1988-1992.	2.2	8
51	Temperature-independent band structure of WTe_2 as observed from angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2017, 96, .	3.2	8
52	Pressure-induced multiple phase transformations of the BaBi_3 superconductor. <i>Physical Review B</i> , 2018, 98, .	3.2	8
53	Impact of nematicity on the relationship between antiferromagnetic fluctuations and superconductivity in FeSe . <i>Physical Review B</i> , 2020, 101, .	3.2	7
54	Complex mixed state of the Pauli-limited superconductor CeCoIn_5 . <i>Physical Review B</i> , 2012, 85, .	3.2	7

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55	Structure of the long-range order of intermetallic FeGa by $\frac{1}{4}$ SR. Physical Review B, 2017, 95, .	3.2	7
56	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
57	Lithium nickel borides: evolution of [NiB] layers driven by Li pressure. Inorganic Chemistry Frontiers, 2021, 8, 1675-1685.	6.0	7
58	Structure, magnetism, and transport of single-crystalline R_2NiSj ($\text{R} = \text{Y, Gd-Tm, Lu}$). Physical Review Materials, 2018, 2, .	2.4	6
59	Small-moment antiferromagnetic ordering in single-crystalline LaMn_2O_7 . Physical Review B, 2022, 105, .	2.2	6
60	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
61	Conduction electron spin resonance in AlB_2 . Journal of Physics Condensed Matter, 2013, 25, 216001.	1.8	5
62	Low temperature transport and thermodynamic properties of the Zintl compound $\text{Yb}_{11}\text{AlSb}_9$: A new Kondo lattice semiconductor. Journal of Alloys and Compounds, 2016, 669, 60-65.	5.5	5
63	Magnetic properties of Gd_2T_5 .	3.2	5
64	Evolution from long-range order to Kondo lattice in $\text{Gd}_{1-x}\text{Yb}_x\text{Ni}_2\text{B}_2\text{C}$. Physical Review B, 2003, 68, .	3.2	4
65	Energy gaps in carbon-substituted MgB_2 . Physica C: Superconductivity and Its Applications, 2004, 408-410, 610-611.	1.2	4
66	Point-contact spectroscopy measurements of binary superconductor MgB_2 . Physica C: Superconductivity and Its Applications, 2005, 426-431, 300-303.	1.2	4
67	Single Crystal Growth and Magnetic Characterization of RNiSi_3 ($\text{R} = \text{Dy, Ho}$). Physics Procedia, 2015, 75, 545-551.	1.2	4
68	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
69	Pseudo-Polymorphism in Layered FeS Intercalates: A Competition between Charged and Neutral Guest Species. Chemistry of Materials, 2022, 34, 5397-5408.	6.7	4
70	Path Less Traveled: A Contemporary Twist on Synthesis and Traditional Structure Solution of Metastable $\text{LiNi}_{12}\text{B}_8$. ACS Materials Au, 0, .	6.0	3
71	Critical current study using ac susceptibility measurements in $\text{ErBa}_2\text{Cu}_3\text{O}_7$ crystal showing the fishtail effect. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1291-1292.	1.2	2
72	Josephson coupling between superconducting clusters in high- T_c materials. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 367-369.	2.3	2

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73	Electronic structure of YbNi 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
74	Conduction electron spin resonance in the $\text{Yb}_{1-x}\text{FexAlB}_4$ ($0 \leq x \leq 0.50$) and LuAlB_4 compounds. Journal of Physics Condensed Matter, 2015, 27, 255601.	1.8	2
75	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
76	Tunneling spectroscopy of single-crystal clathrate Ba ₈ Ga ₁₆ Sn ₃₀ . Physica B: Condensed Matter, 2006, 383, 126-127.	2.7	1
77	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
78	Effects of external pressure on the narrow-gap semiconductor CeMn_3Sb_7 . Physical Review B, 2022, 105, .		
79	Tuning of Cr-Mg Magnetic Exchange through Chalcogenide Linkers in Cr ₂ Molecular Dimers. Inorganic Chemistry, 2022, 61, 6160-6174.	4.0	1
80	Diamagnetic peaks in magnetization versus temperature curves caused by flux trapped relaxation observed in YBa ₂ Cu ₃ O _{7-δ} samples. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2251-2252.	1.2	0
81	Scaling analysis of magnetization curves based on collective flux creep for YBCO. Physica C: Superconductivity and Its Applications, 2001, 354, 227-231.	1.2	0
82	Synthesis and Properties of YbB ₂ . ChemInform, 2003, 34, no.	0.0	0
83	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
84	Solution Growth of Intermetallic Single Crystals. , 2021, , 49-66.		0
85	Study of the magnetic properties of YbMn ₂ Sb ₂ single crystals by SR . Journal of Magnetism and Magnetic Materials, 2021, 537, 168149.	2.3	0