

# Marcelo Jaime

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/172340/publications.pdf>

Version: 2024-02-01

180  
papers

9,907  
citations

53794

45  
h-index

36028

97  
g-index

190  
all docs

190  
docs citations

190  
times ranked

7389  
citing authors

#	ARTICLE	IF	CITATIONS
1	The physics of manganites: Structure and transport. <i>Reviews of Modern Physics</i> , 2001, 73, 583-628.	45.6	2,207
2	A new heavy-fermion superconductor CeIrIn 5 : A relative of the cuprates?. <i>Europhysics Letters</i> , 2001, 53, 354-359.	2.0	476
3	Critical examination of heat capacity measurements made on a Quantum Design physical property measurement system. <i>Cryogenics</i> , 2003, 43, 369-378.	1.7	428
4	Unconventional Superconductivity in CeIrIn5 and CeCoIn5: Specific Heat and Thermal Conductivity Studies. <i>Physical Review Letters</i> , 2001, 86, 5152-5155.	7.8	399
5	High-temperature thermopower in La <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> films: Evidence for polaronic transport. <i>Physical Review B</i> , 1996, 54, 11914-11917.	3.2	345
6	Bose-Einstein condensation in quantum magnets. <i>Reviews of Modern Physics</i> , 2014, 86, 563-614.	45.6	292
7	Hall-Effect Sign Anomaly and Small-Polaron Conduction in (La <sub>1-x</sub> Gdx) <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> . <i>Physical Review Letters</i> , 1997, 78, 951-954.	7.8	274
8	Magnetic-Field-Induced Condensation of Triplons in Han Purple Pigment BaCuSi <sub>2</sub> O <sub>6</sub> . <i>Physical Review Letters</i> , 2004, 93, 087203.	7.8	260
9	Dimensional reduction at a quantum critical point. <i>Nature</i> , 2006, 441, 617-620.	27.8	211
10	Bose-Einstein Condensation of S=1 Nickel Spin Degrees of Freedom in NiCl <sub>2</sub> ·4SC(NH <sub>2</sub> ) <sub>2</sub> . <i>Physical Review Letters</i> , 2006, 96, 077204.	7.8	206
11	Direct Transition from a Disordered to a Multiferroic Phase on a Triangular Lattice. <i>Physical Review Letters</i> , 2007, 98, 267205.	7.8	188
12	Coexistence of localized and itinerant carriers near T <sub>C</sub> in calcium-doped manganites. <i>Physical Review B</i> , 1999, 60, 1028-1032.	3.2	169
13	Magnetothermopower in La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , 1996, 68, 1576-1578.	3.3	167
14	Hot isostatic pressing of powder in tube MgB <sub>2</sub> wires. <i>Applied Physics Letters</i> , 2003, 82, 2847-2849.	3.3	137
15	A magnetic topological semimetal Sr <sub>1-y</sub> Mn <sub>1-z</sub> Sb <sub>2</sub> (y, z < 0.1). <i>Nature Materials</i> , 2017, 16, 905-910.	27.5	135
16	Low-temperature electrical transport and double exchange in La <sub>0.67</sub> (Pb,Ca) <sub>0.33</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , 1998, 58, R5901-R5904.	3.2	132
17	Superconductivity and magnetism in a new class of heavy-fermion materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 5-10.	2.3	129
18	Magnetostriction and magnetic texture to 100.75 Tesla in frustrated SrCu <sub>2</sub> (BO) <sub>3</sub> . <i>Physical Review Letters</i> , 2012, 109, 12404-12407.	7.1	118

#	ARTICLE	IF	CITATIONS
19	Magnetic Excitations in the Spin-1 Anisotropic Heisenberg Antiferromagnetic Chain System $\text{NiCl}_2 \cdot 4\text{SC}(\text{NH}_2)_2$ . <i>Physical Review Letters</i> , 2007, 98, 047205.	7.8	114
20	Closing the spin gap in the Kondo insulator $\text{Ce}_3\text{Bi}_4\text{Pt}_3$ at high magnetic fields. <i>Nature</i> , 2000, 405, 160-163.	27.8	111
21	High Magnetic Field Studies of the Hidden Order Transition in $\text{URu}_2\text{Si}_2$ . <i>Physical Review Letters</i> , 2002, 89, 287201.	7.8	101
22	Magnetic-Field-Induced Quantum Critical Point and Competing Order Parameters in $\text{URu}_2\text{Si}_2$ . <i>Physical Review Letters</i> , 2003, 91, 256401.	7.8	101
23	Electronic in-plane symmetry breaking at field-tuned quantum criticality in $\text{CeRhIn}_5$ . <i>Nature</i> , 2017, 548, 313-317.	27.8	89
24	Understanding High Critical Currents in $\text{YBa}_2\text{Cu}_3\text{O}_7$ Thin Films and Coated Conductors. <i>Journal of Low Temperature Physics</i> , 2004, 135, 87-98.	1.4	84
25	Anisotropic superconductivity in epitaxial $\text{MgB}_2$ films. <i>Chemical Physics Letters</i> , 2001, 343, 447-451.	2.6	82
26	Field-controlled magnetic order in the quantum spin-ladder system $\text{Sr}_2\text{Cu}_2\text{O}_7$ . <i>Physical Review B</i> , 2009, 79, .	3.2	80
27	Characteristic Bose-Einstein condensation scaling close to a quantum critical point in $\text{BaCuSi}_2\text{O}_6$ . <i>Physical Review B</i> , 2005, 72, .	3.2	76
28	Correlated enhancement of $H_c2$ and $J_c$ in carbon nanotube doped $\text{MgB}_2$ . <i>Superconductor Science and Technology</i> , 2007, 20, L12-L15.	3.5	74
29	Field-induced Bose-Einstein Condensation of Triplons up to 8 K in $\text{Sr}_2\text{Cu}_2\text{O}_7$ . <i>Physical Review Letters</i> , 2009, 103, 207203.	3.4	73
30	Low-Temperature Anomaly in Thermal Conductivity of $\text{Bi}_2\text{Sr}_2\text{Ca}(\text{Cu}_{1-x}\text{Ni}_x)_2\text{O}_8$ : Second Superconducting Phase?. <i>Physical Review Letters</i> , 1998, 80, 1968-1971.	7.8	69
31	Fermi surface reconstruction and multiple quantum phase transitions in the antiferromagnet $\text{CeRhIn}_5$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 673-678.	7.1	67
32	Reentrant Hidden Order at a Metamagnetic Quantum Critical End Point. <i>Physical Review Letters</i> , 2003, 90, 096402.	7.8	66
33	Low Temperature Spin Dynamics of the Geometrically Frustrated Antiferromagnetic Garnet $\text{Gd}_3\text{Ga}_5\text{O}_{12}$ . <i>Physical Review Letters</i> , 2000, 85, 3504-3507.	7.8	62
34	Successive Magnetic-Field-Induced Transitions and Colossal Magnetoelectric Effect in $\text{Ni}_3\text{V}_2\text{O}_{11}$ . <i>Physical Review Letters</i> , 2015, 115, 137201.	7.8	58
35	Field-induced Bose-Einstein Condensation of Triplons up to 8 K in $\text{Sr}_2\text{Cu}_2\text{O}_7$ . <i>Physical Review Letters</i> , 2009, 103, 207203.	7.8	57
36	$\text{SiC}$ and carbon nanotube distinctive effects on the superconducting properties of bulk $\text{MgB}_2$ . <i>Journal of Applied Physics</i> , 2008, 103, 023907.	2.5	56

#	ARTICLE	IF	CITATIONS
37	Cascade of Magnetic Field Induced Spin Transitions in LaCoO <sub>3</sub> . Physical Review Letters, 2012, 109, 037201.	7.8	56
38	Bose-Einstein condensation of triplons in Ba <sub>3</sub> Bi <sub>2</sub> VO <sub>8</sub> . Physical Review B, 2009, 79, .	3.2	55
39	Anisotropy reversal of the upper critical field at low temperatures and spin-locked superconductivity in K <sub>2</sub> CuF <sub>4</sub> . Physical Review B, 2015, 91, .	3.2	55
40	Emergent Fluctuation Hot Spots on the Fermi Surface of CeIn <sub>3</sub> in Strong Magnetic Fields. Physical Review Letters, 2004, 93, 246401.	7.8	53
41	Piezomagnetism and magnetoelastic memory in uranium dioxide. Nature Communications, 2017, 8, 99.	12.8	52
42	Unusual Kondo behavior in the indium-rich heavy-fermion antiferromagnet Ce <sub>3</sub> Pt <sub>4</sub> In <sub>13</sub> . Physical Review B, 2001, 65, .	3.2	49
43	Origin of the zero-resistance anomaly in heavy fermion superconducting CeIrIn <sub>5</sub> : A clue from magnetic-field and Rh-doping studies. Physical Review B, 2001, 64, .	3.2	48
44	AC measurement of heat capacity and magnetocaloric effect for pulsed magnetic fields. Review of Scientific Instruments, 2010, 81, 104902.	1.3	48
45	Observation of a multiferroic critical end point. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15573-15576.	7.1	47
46	Non-Gaussian noise in a colossal magnetoresistive film. Journal of Applied Physics, 1997, 81, 272-275.	2.5	45
47	Geometric Frustration and Dimensional Reduction at a Quantum Critical Point. Physical Review Letters, 2007, 98, 257201.	7.8	44
48	Direct measurement of spin correlations using magnetostriction. Physical Review B, 2008, 77, .	3.2	43
49	Heavy holes as a precursor to superconductivity in antiferromagnetic CeIn <sub>3</sub> . Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7741-7744.	7.1	40
50	Character of magnetic excitations in a quasi-one-dimensional antiferromagnet near the quantum critical points: Impact on magnetoacoustic properties. Physical Review B, 2008, 78, .	3.2	38
51	Ordered magnetic phases of the frustrated spin-dimer compound Ba <sub>3</sub> Bi <sub>2</sub> VO <sub>8</sub> . Physical Review B, 2009, 79, .	3.2	38
52	Asymmetric Quintuplet Condensation in the Frustrated Spin Dimer Compound Sr <sub>2</sub> VO <sub>4</sub> . Physical Review Letters, 2012, 109, 167204.	7.8	37
53	Anisotropic Cascade of Field-Induced Phase Transitions in the Frustrated Spin-Ladder System BiCu <sub>2</sub> PO. Physical Review Letters, 2012, 109, 167204.	7.8	37
54	Magnetic nanopantograph in the SrCu <sub>2</sub> (BO <sub>3</sub> ) <sub>2</sub> Sutherland lattice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1971-1976.	7.1	36

#	ARTICLE	IF	CITATIONS
55	<a href="#">Dynamics of <math>\begin{matrix} \langle \text{mml:math} \text{ xmlns:mml=} \\ \text{http://www.w3.org/1998/Math/MathML} \\ \text{display=} \\ \text{inline} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \\ \text{mathvariant=} \\ \text{normal} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \\ \text{mathvariant=} \\ \text{normal} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \\ \langle \text{mml:msub} \rangle \langle \text{mml:mtext} \rangle \hat{a} \langle \text{mml:mtext} \rangle \\ \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \\ \text{mathvariant=} \\ \text{normal} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mi} \end{matrix}</math></a>		

#	ARTICLE	IF	CITATIONS
73	Second Low-Temperature Phase Transition in Frustrated UNi4B. Physical Review Letters, 1999, 83, 2065-2068.	7.8	23
74	Effects of unreacted Mg impurities on the transport properties of MgB2. Physica C: Superconductivity and Its Applications, 2002, 377, 21-25.	1.2	23
75	Adiabatic physics of an exchange-coupled spin-dimer system: Magnetocaloric effect, zero-point fluctuations, and possible two-dimensional universal behavior. Physical Review B, 2017, 95, .	3.2	23
76	Tricritical point of the $f$ -electron antiferromagnet $\text{US}_{2-x}\text{Mg}_x\text{Ni}_2$ . Physical Review B, 2017, 95, .	3.2	23
77	Chain candidate $\text{BaNd}_2\text{O}_4$ . Physical Review B, 2014, 90, .	3.2	22
78	Quantum Critical 5f Electrons Avoid Singularities in $\text{U}(\text{Ru,Rh})_2\text{Si}_2$ . Physical Review Letters, 2005, 95, 026403.	7.8	21
79	Irreversible Dynamics of the Phase Boundary in $\text{U}(\text{Ru}_{0.96}\text{Rh}_{0.04})_2\text{Si}_2$ and Implications for Ordering. Physical Review Letters, 2006, 96, 136403.	7.8	21
80	Smectic Vortex Phase in Optimally Doped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Thin Films. Physical Review Letters, 2008, 100, 027004.	7.8	19
81	Enhanced Hybridization Sets the Stage for Electronic Nematicity in $\text{CeRhIn}_5$ . Physical Review Letters, 2019, 122, 016402.	7.8	19
82	A boiling heat transfer paradox. American Journal of Physics, 1992, 60, 593-597.	0.7	18
83	Thermodynamic and transport properties of the one-dimensional $S=12$ antiferromagnet $\text{Yb}_4\text{As}_3$ . Physica B: Condensed Matter, 2002, 312-313, 315-320.	2.7	18
84	Transport and thermodynamic properties of $\text{Sr}_3\text{Ru}_2\text{O}_7$ near the quantum critical point. Physical Review B, 2004, 69, .	3.2	18
85	Tricritical point from high-field magnetoelastic and metamagnetic effects in UN. Scientific Reports, 2017, 7, 6642.	3.3	18
86	Hall coefficient and $H_{c2}$ in underdoped $\text{LaFeAsO}_{0.95}\text{F}_{0.05}$ . Europhysics Letters, 2008, 84, 37005.	2.0	17
87	Critical Properties at the Field-Induced Bose-Einstein Condensation in $\text{NiCl}_2\text{SC}(\text{NH}_2)_2$ . Physical Review Letters, 2009, 102, 077204.	7.8	17
88	High-Magnetic-Field Lattice Length Changes in $\text{Sr}_2\text{Ca}_3\text{S}_8$ . Physical Review Letters, 2012, 109, 246405.	7.8	17
89	Metastable states in the frustrated triangular compounds $\text{Ca}_3\text{Co}_2\text{O}_6$ and $\text{Ca}_3\text{Ni}_2\text{O}_6$ . Physical Review B, 2018, 98, .	3.2	17

#	ARTICLE	IF	CITATIONS
91	Specific heat at the magnetic order transitions in RbFe (MoO). Physica B: Condensed Matter, 2004, 354, 297-299.	2.7	16
92	Magnetization Process of Atacamite: A Case of Weakly Coupled $S=1$ Sawtooth Chains. Physical Review Letters, 2021, 126, 207201.	7.8	16
93	Thermal and magnetoelastic properties of $\text{Fe}^{\pm}$ in the field-induced low-temperature states. Physical Review B, 2020, 102, .	3.2	16
94	Pressure effects in high temperature superconductors. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2093-2094.	1.2	15
95	Anomalous Hall effect in Gd-doped $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ . Journal of Applied Physics, 1997, 81, 4958-4960.	2.5	15
96	Unconventional superconductivity in $\text{CeIrIn}_5$ and $\text{CeCoIn}_5$ . Physica B: Condensed Matter, 2002, 312-313, 7-12.	2.7	15
97	Inhomogeneous Level Splitting in $\text{Pr}_2\text{xBiRu}_2\text{O}_7$ . Physical Review Letters, 2005, 94, 177201.	7.8	15
98	Nonlocal Magnetic Field-Tuned Quantum Criticality in Cubic $\text{CeIn}_3\text{xSn}_x$ ( $x=0.25$ ). Physical Review Letters, 2006, 96, 206401.	7.8	15
99	Neutron study of the magnetism in $\text{NiCl}_2\text{x}4\text{SC}(\text{NH}_2)_2$ . Journal of Physics Condensed Matter, 2013, 25, 216008.	1.8	15
100	High-field behavior of the spin gap compound $\text{Sr}_2\text{Cu}(\text{BO}_3)_2$ . Physical Review B, 2005, 71, .	3.2	14
101	Magnetostriction in the Bose-Einstein condensate quantum magnet $\text{NiCl}_2\text{x}4\text{SC}(\text{NH}_2)_2$ (Invited). Journal of Applied Physics, 2007, 101, 09E106.	2.5	14
102	Upper Critical Field and Kondo Effects in $\text{Fe}(\text{Te}_{0.9}\text{Se}_{0.1})$ Thin Films by Pulsed Field Measurements. Scientific Reports, 2016, 6, 21469.	3.3	14
103	Magnetic phase diagram and electronic structure of $\text{UPt}_2\text{Si}_2$ at high magnetic fields: A possible field-induced Lifshitz transition. Physical Review B, 2017, 95, .	3.2	13
104	The influence of pressure on the superconducting properties of the $(\text{Cu}_x\text{Cl}_{1-x})\text{Ba}_2\text{Can}_{1-x}\text{Cu}_x\text{O}_y$ family of HTSC materials. Solid State Communications, 1996, 97, 131-135.	1.9	12
105	Comment on "Bose-Einstein Condensation of Magnons in $\text{Cs}_2\text{CuCl}_4$ ". Physical Review Letters, 2006, 96, 189703; author reply 189704.	7.8	12
106	Spin-liquid ground state in the frustrated $\text{BaTb}_2\text{O}_7$ chain system. Physical Review B, 2015, 92, .	3.2	12
107	Emergent bound states and impurity pairs in chemically doped Shastry-Sutherland system. Nature Communications, 2019, 10, 2439.	12.8	12
108	Oxygen diffusion in C60 films. Applied Physics A: Materials Science and Processing, 1995, 60, 289-292.	2.3	11

#	ARTICLE	IF	CITATIONS
109	Metamagnetism, quantum criticality, hidden order and crystal electric fields in URu <sub>2</sub> Si <sub>2</sub> . Physica B: Condensed Matter, 2004, 346-347, 92-98.	2.7	11
110	Quasi-two-dimensional Bose-Einstein condensation of spin triplets in the dimerized quantum magnet $\text{Ba}_{1-x}\text{K}_x\text{Cu}_2\text{O}_6\text{Cl}_2$ . Physical Review B, 2016, 94, .	3.2	10
111	quasiparticles and avoided quantum criticality in U(Ru,Rh) <sub>2</sub> Si <sub>2</sub> . Physica B: Condensed Matter, 2006, 378-380, 373-375.	2.7	10
112	Reduction of the low-temperature bulk gap in samarium hexaboride under high magnetic fields. Physical Review B, 2017, 95, .	3.2	10
113	Missing magnetism in Sr <sub>4</sub> Ru <sub>3</sub> O <sub>10</sub> : Indication for Antisymmetric Exchange Interaction. Scientific Reports, 2017, 7, 3867.	3.3	10
114	Enhanced spin correlations in the Bose-Einstein condensate compound $\text{Sr}_3\text{O}_8$ . Physical Review B, 2020, 102, .	3.2	10
115	Revealing three-dimensional quantum criticality by Sr substitution in Han purple. Physical Review Research, 2021, 3, .	3.6	10
116	An FBG Optical Approach to Thermal Expansion Measurements under Hydrostatic Pressure. Sensors, 2017, 17, 2543.	3.8	9
117	Piezomagnetic switching and complex phase equilibria in uranium dioxide. Communications Materials, 2021, 2, .	6.9	9
118	Reduction of Néel temperature of by La doping. Journal of Magnetism and Magnetic Materials, 2007, 310, 300-302.	2.3	8
119	Observation of two-magnon bound states in the spin-1 anisotropic Heisenberg antiferromagnetic chain system. Physica B: Condensed Matter, 2008, 403, 1497-1499.	2.7	8
120	Selective mass enhancement close to the quantum critical point in BaFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> . Scientific Reports, 2017, 7, 4589.	3.3	8
121	Phase stabilization by electronic entropy in plutonium. Nature Communications, 2019, 10, 3159.	12.8	8
122	Magnetoelastic coupling in URu <sub>2</sub> Si <sub>2</sub> : Probing multipolar correlations in the hidden order state. Physical Review B, 2019, 99, .	3.2	8
123	High magnetic field magnetization and specific heat of the 2D spin dimer system SrCu <sub>2</sub> (BO <sub>3</sub> ) <sub>2</sub> . Journal of Alloys and Compounds, 2004, 369, 90-92.	5.5	7
124	Comprehensive magnetic phase diagrams of the polar metal $\text{CaC}_2$ .		



#	ARTICLE	IF	CITATIONS
127	Two energy scales in YbInCu <sub>4</sub> from specific heat in high magnetic fields. <i>Physica B: Condensed Matter</i> , 2002, 312-313, 344-345.	2.7	6
128	The National High Magnetic Field Laboratory. <i>Journal of Physics: Conference Series</i> , 2006, 51, 643-646.	0.4	6
129	Measurement of the angle dependence of magnetostriction in pulsed magnetic fields using a piezoelectric strain gauge. <i>Review of Scientific Instruments</i> , 2018, 89, 085109.	1.3	6
130	Growth of nematic susceptibility in the field-induced normal state of an iron-based superconductor revealed by elastoresistivity measurements in a 65 ÅT pulsed magnet. <i>Physical Review B</i> , 2019, 100, .	3.2	6
131	Low-temperature phase transition in Bi <sub>2</sub> Sr <sub>2</sub> Ca(Cu <sub>1-x</sub> Ni <sub>x</sub> ) <sub>208</sub> . <i>Journal of Physics and Chemistry of Solids</i> , 1998, 59, 2100-2104.	4.0	5
132	Hall effect of a layered manganite single crystal. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1442-1443.	2.7	5
133	Acoustical measurements on the heavy fermion compound URu <sub>2</sub> Si <sub>2</sub> in pulsed magnetic fields. <i>Physica B: Condensed Matter</i> , 2002, 312-313, 224-225.	2.7	5
134	Magnetic-field-induced critical behavior in the hidden-order compound URu <sub>2</sub> Si <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2004, 369, 33-35.	5.5	5
135	SINGLE-WALL CARBON NANOTUBES ADDITION EFFECTS ON THE SUPERCONDUCTING PROPERTIES OF MgB <sub>2</sub> . <i>International Journal of Modern Physics B</i> , 2009, 23, 3465-3469.	2.0	5
136	Critical behavior of the magnetization in the spin-gapped system NiCl <sub>2</sub> ·4SC(NH <sub>2</sub> ) <sub>2</sub> . <i>Journal of Applied Physics</i> , 2009, 105, 07D501.	2.5	5
137	Magnetostriction and thermal expansion on 1D quantum spin system azurite. <i>Journal of Physics: Conference Series</i> , 2009, 150, 042030.	0.4	5
138	Thermal conductivity of high temperature superconductors. <i>Physica B: Condensed Matter</i> , 1991, 169, 631-632.	2.7	4
139	Thermodynamic properties of excess-oxygen-doped La <sub>2</sub> CuO <sub>4.11</sub> near a simultaneous transition to superconductivity and long-range magnetic order. <i>Physical Review B</i> , 2004, 69, .	3.2	4
140	BEC phase boundary in. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, e460-e462.	2.3	4
141	Ultrasonic investigation of NiCl <sub>2</sub> ·4SC(NH <sub>2</sub> ) <sub>2</sub> in the vicinity of the quantum critical points. <i>Journal of Physics: Conference Series</i> , 2009, 145, 012069.	0.4	4
142	Ultrasonic investigation of NiCl <sub>2</sub> ·4SC(NH <sub>2</sub> ) <sub>2</sub> . <i>Journal of Physics: Conference Series</i> , 2009, 150, 042016.	0.4	4
143	Magnetic and electronic phases of $U$ . <i>Physical Review B</i> , 2021, 103, .	3.2	4
144	Thermal conductivity of high temperature superconductor TlBaCaCuO. <i>Solid State Communications</i> , 1991, 79, 967-970.	1.9	3

#	ARTICLE	IF	CITATIONS
145	Low-temperature thermal transport in high-temperature superconducting Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> via a Y-doped insulating analogue. Physical Review B, 2002, 65, .	3.2	3
146	Dimerization Transition in Phenalenyl-based Neutral Radicals at High Magnetic Fields. AIP Conference Proceedings, 2006, , .	0.4	3
147	Bose-Einstein condensation in BaCuSi <sub>2</sub> O <sub>6</sub> . Journal of Physics: Conference Series, 2006, 51, 9-14.	0.4	3
148	Magnetoelastic standing waves induced in UO <sub>2</sub> by microsecond magnetic field pulses. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	3
149	Heat capacity of Ni-doped Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> single crystals. Physica B: Condensed Matter, 2000, 284-288, 1069-1070.	2.7	2
150	Magnetic enhancement of superconductivity. Nature, 2004, 427, 802-802.	27.8	2
151	Magnetic order in the induced magnetic moment system. Physica B: Condensed Matter, 2008, 403, 1368-1370.	2.7	2
152	Low-energy excitations in DTN below $T_c$ ESR studies. Journal of Physics: Conference Series, 2009, 150, 042244.	0.4	2
153	Suppression of antiferromagnetic ordering by magnetic field in Ce <sub>0.6</sub> La <sub>0.4</sub> In <sub>3</sub> . Journal of Physics: Conference Series, 2015, 592, 012079.	0.4	2
154	In-depth study of the $H-T$ phase diagram of $Sr_4CeRhIn_5$ .  $H-T$ phase diagram of $Sr_4CeRhIn_5$ . 	2.7	2
155	Magnetoelastics of High Field Phenomena in Antiferromagnets UO <sub>2</sub> and CeRhIn <sub>5</sub> . , 2018, , .		2
156	Record-Breaking Magnetoresistance at the Edge of a Microflake of Natural Graphite. Advanced Engineering Materials, 2019, 21, 1900991.	3.5	2
157	Field Angle Tuned Metamagnetism and Lifschitz Transitions in UPt <sub>3</sub> . Scientific Reports, 2019, 9, 8162.	3.3	2
158	Heat capacity measured up to 60 T in Ce <sub>3</sub> Bi <sub>4</sub> Pt <sub>3</sub> Kondo insulator. Physica B: Condensed Matter, 2000, 280, 563-564.	2.7	1
159	HIGH-FIELD HALL EFFECT AND BAND STRUCTURE OF HALF-METALLIC CrO <sub>2</sub> FILMS. International Journal of Modern Physics B, 2002, 16, 3334-3337.	2.0	1
160	Mg AS A MAIN SOURCE FOR THE DIVERSE MAGNETOTRANSPORT PROPERTIES OF MgB <sub>2</sub> . International Journal of Modern Physics B, 2002, 16, 3185-3188.	2.0	1
161	Metamagnetism and quantum criticality in URu <sub>2</sub> Si <sub>2</sub> . Journal of Magnetism and Magnetic Materials, 2004, 272-276, E135-E136.	2.3	1
162	Novel competing orders near the field-induced quantum critical point in URu <sub>2</sub> Si <sub>2</sub> . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 50-51.	2.3	1

#	ARTICLE	IF	CITATIONS
163	Link between magnetic field-induced quantum criticality and phase formation in. Physica B: Condensed Matter, 2005, 359-361, 32-34.	2.7	1
164	Emergent phases near the metamagnetic quantum critical point in. Physica B: Condensed Matter, 2006, 378-380, 31-35.	2.7	1
165	Spin-triplet excitons and anisotropy effects in the gapped antiferromagnet BaCuSi <sub>2</sub> O <sub>6</sub> . Journal of Magnetism and Magnetic Materials, 2007, 310, 1206-1208.	2.3	1
166	Magnetic field-dependent resistance measurements in the superconducting ferromagnet (Ru <sub>1-x</sub> Nb <sub>x</sub> )Sr <sub>2</sub> Eu <sub>1.4</sub> Ce <sub>0.6</sub> Cu <sub>2</sub> O <sub>10</sub> . Journal of Applied Physics, 2009, 105, 07E314.	2.5	1
167	Insight into fiber Bragg sensor response at 100-MHz interrogation rates under various dynamic loading conditions. Proceedings of SPIE, 2015, , .	0.8	1
168	Proximity to a critical point driven by electronic entropy in URu <sub>2</sub> Si <sub>2</sub> . Npj Quantum Materials, 2021, 6, .	5.2	1
169	ULTRASONIC MEASUREMENTS AT THE METAMAGNETIC TRANSITION IN URu <sub>2</sub> Si <sub>2</sub> . International Journal of Modern Physics B, 2002, 16, 3037-3040.	2.0	0
170	Electronic Transport in La-Ca Manganites. , 2002, , 243-267.		0
171	Magnetotransport of the low-carrier density one-dimensional S=1/2 antiferromagnet Yb <sub>4</sub> As <sub>3</sub> . Pramana -Journal of Physics, 2002, 58, 715-723.	1.8	0
172	Origin of Diversified Transport Properties of MgB <sub>2</sub> . International Journal of Modern Physics B, 2003, 17, 3672-3674.	2.0	0
173	Spin Density Wave Excitations in the Specific Heat of La <sub>2</sub> CuO <sub>4</sub> .11Single Crystals. Journal of Low Temperature Physics, 2004, 135, 123-126.	1.4	0
174	Field-induced Bose-Einstein condensation of a strongly correlated spin liquid in BaCuSi <sub>2</sub> O <sub>6</sub> . Physica B: Condensed Matter, 2005, 359-361, 1369-1371.	2.7	0
175	Lattice involvement in low temperature phase of U(Ru,Rh) <sub>2</sub> Si <sub>2</sub> . Physica B: Condensed Matter, 2006, 378-380, 82-83.	2.7	0
176	Approaching field tuned quantum criticality in. Physica B: Condensed Matter, 2006, 378-380, 90-91.	2.7	0
177	Field induced metastabilities in U(Ru <sub>0.96</sub> Rh <sub>0.04</sub> ) <sub>2</sub> Si <sub>2</sub> . Physica C: Superconductivity and Its Applications, 2007, 460-462, 682-683.	1.2	0
178	Physical properties at high magnetic fields in. Journal of Magnetism and Magnetic Materials, 2007, 310, 298-299.	2.3	0
179	Critical magnetic fields in the rutheno-cuprates Ru(1-x)Nb <sub>x</sub> Sr <sub>2</sub> Eu <sub>1.4</sub> Ce <sub>0.6</sub> Cu <sub>2</sub> O <sub>10</sub> . Journal of Applied Physics, 2012, 111, 07D713.	2.5	0
180	Mg AS A MAIN SOURCE FOR THE DIVERSE MAGNETOTRANSPORT PROPERTIES OF MgB <sub>2</sub> . , 2002, , .		0