

# Sebastian Vieira

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4241131/publications.pdf>

Version: 2024-02-01

185  
papers

6,265  
citations

76326

40  
h-index

74163

75  
g-index

185  
all docs

185  
docs citations

185  
times ranked

4314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic-Sized Metallic Contacts: Mechanical Properties and Electronic Transport. Physical Review Letters, 1996, 76, 2302-2305.	7.8	539
2	Conductance steps and quantization in atomic-size contacts. Physical Review B, 1993, 47, 12345-12348.	3.2	402
3	Mechanical Properties and Formation Mechanisms of a Wire of Single Gold Atoms. Physical Review Letters, 2001, 87, .	7.8	379
4	Plastic Deformation of Nanometer-Scale Gold Connective Necks. Physical Review Letters, 1995, 74, 3995-3998.	7.8	283
5	Onset of Energy Dissipation in Ballistic Atomic Wires. Physical Review Letters, 2002, 88, 216803.	7.8	239
6	Superconducting Density of States and Vortex Cores of $2H\text{-NbS}_2$ . Physical Review Letters, 2008, 101, 166407.	7.8	183
7	Quantitative Assessment of the Effects of Orientational and Positional Disorder on Glassy Dynamics. Physical Review Letters, 1997, 78, 82-85.	7.8	162
8	Tunneling Spectroscopy in Small Grains of Superconducting $\text{MgB}_2$ . Physical Review Letters, 2001, 86, 5582-5584.	7.8	160
9	Calibration of the length of a chain of single gold atoms. Physical Review B, 2002, 66, .	3.2	132
10	Direct observation of melting in a two-dimensional superconducting vortex lattice. Nature Physics, 2009, 5, 651-655.	16.7	115
11	Experimental determination of the energy generated in nuclear cascades by a high energy beam. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 348, 697-709.	4.1	110
12	Pressure Induced Effects on the Fermi Surface of Superconducting $2H\text{-NbSe}_2$ . Physical Review Letters, 2005, 95, 117006.	7.8	107
13	Conductance step for a single-atom contact in the scanning tunneling microscope: Noble and transition metals. Physical Review B, 1996, 53, 16086-16090.	3.2	98
14	Low-temperature specific heat and glassy dynamics of a polymorphic molecular solid. Physical Review B, 1998, 58, 745-755.	3.2	98
15	Magnetic field-induced dissipation-free state in superconducting nanostructures. Nature Communications, 2013, 4, 1437.	12.8	90
16	Fabrication and characterization of metallic nanowires. Physical Review B, 1997, 56, 2154-2160.	3.2	88
17	Intrinsic atomic-scale modulations of the superconducting gap of $2H\text{-NbSe}_2$ . Physical Review B, 2008, 77, .	3.2	82
18	Imaging superconducting vortex cores and lattices with a scanning tunneling microscope. Superconductor Science and Technology, 2014, 27, 063001.	3.5	81

#	ARTICLE	IF	CITATIONS
19	STM study of multiband superconductivity in NbSe <sub>2</sub> using a superconducting tip. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 404, 306-310.	1.2	75
20	On the use of STM superconducting tips at very low temperatures. <i>European Physical Journal B</i> , 2004, 40, 483-488.	1.5	69
21	Results from the TARC experiment: spallation neutron phenomenology in lead and neutron-driven nuclear transmutation by adiabatic resonance crossing. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 478, 577-730.	1.6	67
22	Very-low-temperature tunneling spectroscopy in the heavy-fermion superconductor PrOs <sub>4</sub> Sb <sub>12</sub> . <i>Physical Review B</i> , 2004, 69, .	3.2	67
23	Nanoscale superconducting properties of amorphous W-based deposits grown with a focused-ion-beam. <i>New Journal of Physics</i> , 2008, 10, 093005.	2.9	66
24	Low-temperature specific heat of amorphous, orientational glass, and crystal phases of ethanol. <i>Physical Review B</i> , 2002, 66, .	3.2	63
25	Pressure dependence of superconducting critical temperature and upper critical field of $2\text{-H-TaS}_2$ . <i>Physical Review B</i> , 2012, 87, .	3.2	63
26	Electron transport and phonons in atomic wires. <i>Chemical Physics</i> , 2002, 281, 231-234.	1.9	62
27	Atomic-scale connective neck formation and characterization. <i>Physical Review B</i> , 1993, 48, 8499-8501.	3.2	61
28	Low-temperature specific heat of structural and orientational glasses of simple alcohols. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S1007-S1018.	1.8	55
29	Quantum interference in atomic-sized point contacts. <i>Physical Review B</i> , 2000, 62, 9962-9965.	3.2	54
30	Linear Isothermal Compressibilities of beta-Eucryptite. <i>Journal of the American Ceramic Society</i> , 1975, 58, 262-262.	3.8	51
31	Phonon-mediated anisotropic superconductivity in the Y and Lu nickel borocarbides. <i>Physical Review B</i> , 2003, 67, .	3.2	50
32	Pressure dependence of the upper critical field of MgB <sub>2</sub> and of YNi <sub>2</sub> B <sub>2</sub> C. <i>Physical Review B</i> , 2004, 70, .	3.2	47
33	Chiral charge order in the superconductor 2H-TaS <sub>2</sub> . <i>New Journal of Physics</i> , 2011, 13, 103020.	2.9	45
34	Tunneling measurements of the energy gap in Bi <sub>4</sub> Ca <sub>3</sub> Sr <sub>3</sub> Cu <sub>4</sub> O <sub>16</sub> ∓. <i>Physical Review B</i> , 1988, 38, 9295-9298.	3.2	44
35	On the phase diagram of polymorphic ethanol: Thermodynamic and structural studies. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4769-4775.	3.1	43
36	Compact very low temperature scanning tunneling microscope with mechanically driven horizontal linear positioning stage. <i>Review of Scientific Instruments</i> , 2011, 82, 033711.	1.3	43

#	ARTICLE	IF	CITATIONS
37	Experimental verification of neutron phenomenology in lead and transmutation by adiabatic resonance crossing in accelerator driven systems. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 458, 167-180.	4.1	42
38	Scanning tunneling spectroscopy in MgB <sub>2</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 2003, 385, 233-243.	1.2	42
39	Low-temperature specific heat of different B <sub>2</sub> O <sub>3</sub> glasses. <i>Physical Review B</i> , 1997, 56, 32-35.	3.2	41
40	Point-contact spectroscopy on URu <sub>2</sub> Si <sub>2</sub> . <i>Physical Review B</i> , 1997, 55, 14318-14322.	3.2	40
41	A nodeless superconducting gap in Sr <sub>2</sub> RuO <sub>4</sub> from tunneling spectroscopy. <i>New Journal of Physics</i> , 2009, 11, 093004.	2.9	39
42	STM study of the atomic contact between metallic electrodes. <i>Physica B: Condensed Matter</i> , 1996, 218, 238-241.	2.7	38
43	Superconducting nanostructures fabricated with the scanning tunnelling microscope. <i>Journal of Physics Condensed Matter</i> , 2004, 16, R1151-R1182.	1.8	38
44	Atomic Force Microscopy Studies of Photoisomerization of an Azobenzene Derivative on Langmuir-Blodgett Monolayers. <i>Langmuir</i> , 1997, 13, 870-872.	3.5	36
45	Tunneling spectroscopy in the magnetic superconductor TmNi <sub>2</sub> B <sub>2</sub> C. <i>Physical Review B</i> , 2001, 64, .	3.2	36
46	Chemical Isomerism as a Key to Explore Free-Energy Landscapes in Disordered Matter. <i>Physical Review Letters</i> , 2002, 88, 115506.	7.8	36
47	Proximity effect and strong-coupling superconductivity in nanostructures built with an STM. <i>Physical Review B</i> , 2002, 65, .	3.2	36
48	Plastic Deformation in Nanometer Scale Contacts. <i>Langmuir</i> , 1996, 12, 4505-4509.	3.5	35
49	Local Superconducting Density of States of ErNi <sub>2</sub> B <sub>2</sub> C. <i>Physical Review Letters</i> , 2006, 96, 027003.	7.8	35
50	Transition from the tunneling regime to point contact and proximity-induced Josephson effect in lead-normal-metal nanojunctions. <i>Physical Review B</i> , 1992, 46, 5814-5817.	3.2	34
51	Correlation of elastic, acoustic and thermodynamic properties in B <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of Non-Crystalline Solids</i> , 1997, 221, 170-180.	3.1	33
52	Low-temperature specific heat and thermal conductivity of glycerol. <i>Physical Review B</i> , 2001, 65, .	3.2	33
53	Scanning tunneling measurements of layers of superconducting $2 \times 2$ TaSe <sub>2</sub> : Evidence for a zero-bias anomaly in single layers. <i>Physical Review B</i> , 2013, 87, .	3.2	33
54	Anisotropy of the upper critical field near T <sub>c</sub> and the properties of URu <sub>2</sub> Si <sub>2</sub> and UBe <sub>13</sub> in the normal state. <i>Journal of Low Temperature Physics</i> , 1991, 85, 359-376.	1.4	32

#	ARTICLE	IF	CITATIONS
55	Nanosized superconducting constrictions. <i>Physical Review B</i> , 1998, 58, 11173-11176.	3.2	32
56	Scanning tunneling spectroscopy with superconducting tips of Al. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 537-542.	1.2	32
57	Silicon cell for the precise measurement of thermal expansion at low temperatures: Results for Cu and NaF. <i>Review of Scientific Instruments</i> , 1980, 51, 27-31.	1.3	30
58	Non-Linear Susceptibility in U <sub>0.9</sub> Th <sub>0.1</sub> Be <sub>13</sub> : Evidence of a Transition from a Paramagnetic to a Quadrupolar Kondo Ground State. <i>Europhysics Letters</i> , 1995, 32, 765-770.	2.0	29
59	Quantum Conductance in Semimetallic Bismuth Nanocontacts. <i>Physical Review Letters</i> , 2002, 88, 246801.	7.8	29
60	Plastic deformation in atomic size contacts. <i>Thin Solid Films</i> , 1994, 253, 199-203.	1.8	28
61	Thermodynamic and structural properties of the two isomers of solid propanol. <i>Journal of Non-Crystalline Solids</i> , 2001, 287, 226-230.	3.1	28
62	Superconductivity and magnetism on flux-grown single crystals of NiBi <sub>3</sub> . <i>Physical Review B</i> , 2013, 88, .	3.2	28
63	Direct Observation of Stress Accumulation and Relaxation in Small Bundles of Superconducting Vortices in Tungsten Thin Films. <i>Physical Review Letters</i> , 2011, 106, 077001.	7.8	27
64	HighT <sub>c</sub> superconductive materials: Bulk or twinned domain/grain boundary percolative network superconductors?. <i>European Physical Journal B</i> , 1988, 70, 9-13.	1.5	26
65	Single-channel transmission in gold one-atom contacts and chains. <i>Physical Review B</i> , 2003, 67, .	3.2	26
66	Andreev scattering in nanoscopic junctions in a magnetic field. <i>Europhysics Letters</i> , 2000, 50, 749-755.	2.0	25
67	The Boson peak in structural and orientational glasses of simple alcohols: specific heat at low temperatures. <i>Journal of Non-Crystalline Solids</i> , 2002, 307-310, 80-86.	3.1	25
68	Field-induced orientation of nonlevitated microcrystals of superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . <i>Physical Review Letters</i> , 1988, 60, 744-747.	7.8	23
69	Anomalous ground state of U <sub>0.9</sub> Th <sub>0.1</sub> Be <sub>13</sub> : Temperature dependence of the resistivity and magnetoresistance. <i>Solid State Communications</i> , 1994, 91, 775-778.	1.9	23
70	Scanning tunneling microscopy and spectroscopy at very low temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 369, 106-112.	1.2	23
71	Zero-bias conductance peak in detached flakes of superconducting TaS <sub>2</sub> probed by scanning tunneling spectroscopy. <i>Physical Review B</i> , 2014, 89, .	3.2	22
72	Mechanisms of heat conductivity in high-T <sub>c</sub> superconductors. <i>Physical Review B</i> , 1995, 51, 15474-15477.	3.2	21

#	ARTICLE	IF	CITATIONS
73	Molecular Order within Langmuir-Blodgett Films of Two Amphiphilic Octasubstituted Phthalocyanines Studied by Atomic Force Microscopy. <i>Langmuir</i> , 1998, 14, 4227-4231.	3.5	21
74	Are the high T <sub>c</sub> superconducting materials bulk superconductors or grain boundary percolating network superconductors? (abstract). <i>Journal of Applied Physics</i> , 1988, 63, 4213-4213.	2.5	20
75	On the transition from tunneling regime to point-contact: graphite. <i>Ultramicroscopy</i> , 1992, 42-44, 177-183.	1.9	20
76	Incommensurate and commensurate magnetic structures of the ternary germanide CeNiGe <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , 2003, 15, 77-90.	1.8	20
77	Energy gap of the ground state of CeNiSn caused by local and long-range magnetic-moment interactions. <i>Physical Review B</i> , 1993, 47, 769-772.	3.2	19
78	Experimental verification of neutron phenomenology in lead and of transmutation by adiabatic resonance crossing in accelerator driven systems. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 463, 586-592.	1.6	19
79	Topological Superconducting State of Lead Nanowires in an External Magnetic Field. <i>Physical Review Letters</i> , 2012, 109, 237003.	7.8	19
80	Spontaneous Polarization of Ferroelectric Triglycine Sulfate between 2.2 and 20 K. <i>Physical Review Letters</i> , 1978, 41, 1822-1824.	7.8	18
81	Low temperature specific heat of single-domain and polydomain ferroelectric NaNO <sub>2</sub> . <i>Solid State Communications</i> , 1981, 38, 807-808.	1.9	18
82	Tunneling measurements of the energy gap in the high-T <sub>c</sub> superconductor Tl <sub>2</sub> Ba <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10</sub> + $\delta$ . <i>Physical Review B</i> , 1989, 40, 11403-11405.	3.2	17
83	Superconducting nanobridges under magnetic fields. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 237, 386-393.	1.5	17
84	Intrinsic granularity in nanocrystalline boron-doped diamond films measured by scanning tunneling microscopy. <i>Physical Review B</i> , 2009, 80, .	3.2	17
85	Anomalous ground state in U <sub>0.9</sub> Th <sub>0.1</sub> Be <sub>13</sub> . <i>Physica B: Condensed Matter</i> , 1995, 206-207, 454-456.	2.7	16
86	Supercurrent on a vortex core in 2H-NbSe <sub>2</sub> : Current-driven scanning tunneling spectroscopy measurements. <i>Physical Review B</i> , 2013, 88, .	3.2	15
87	Change of sign in the pyroelectric coefficient of KDP at 15.3 K. <i>Solid State Communications</i> , 1979, 31, 175-177.	1.9	14
88	The quadrupolar Kondo ground state in. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 9807-9814.	1.8	14
89	Experimental evidence of nonactivated creep in Pb(Zr <sub>x</sub> Ti <sub>1-x</sub> )O <sub>3</sub> ceramics at low temperatures. <i>Physical Review B</i> , 1997, 56, R2900-R2903.	3.2	14
90	Scanning tunneling microscopy in the superconductor LaSb. $\langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ . <i>Physical Review B</i> , 2013, 87, .	3.2	14

#	ARTICLE	IF	CITATIONS
91	Scanning Kelvin microscopy as a tool for visualization of optically induced molecular switching in azobenzene self assembling films. <i>Surface and Interface Analysis</i> , 2000, 30, 549-551.	1.8	13
92	Temperature dependence of the polarization of the dominant Raman lines in B <sub>2</sub> O <sub>3</sub> and (B <sub>2</sub> O <sub>3</sub> ) <sub>0.84</sub> (Na <sub>2</sub> O) <sub>0.16</sub> glasses. <i>Solid State Communications</i> , 1987, 64, 455-457.	1.9	12
93	Low temperature thermal expansion and specific heat of a high T <sub>c</sub> ceramic Y <sub>1</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . <i>Solid State Communications</i> , 1988, 65, 1555-1557.	1.9	12
94	A Superconducting Magnet: Tb <sub>2</sub> Mo <sub>3</sub> Si <sub>4</sub> . <i>Europhysics Letters</i> , 1994, 25, 143-148.	2.0	12
95	Josephson current at atomic scale: Tunneling and nanocontacts using a STM. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 437-438, 270-273.	1.2	12
96	A simple device for quick separation of high-T <sub>c</sub> superconducting materials. <i>Journal of Physics E: Scientific Instruments</i> , 1987, 20, 1292-1293.	0.7	11
97	Josephson effect in nanoscopic structures. <i>Physical Review B</i> , 1994, 50, 12788-12792.	3.2	11
98	Scanning tunneling spectroscopy under large current flow through the sample. <i>Review of Scientific Instruments</i> , 2011, 82, 073710.	1.3	11
99	Piezoelectric Behaviour of Several Ceramic Materials at Low Temperatures. <i>Japanese Journal of Applied Physics</i> , 1987, 26, 1711.	1.5	10
100	Evolution of the Local Superconducting Density of States in $\text{ErRh}_4\text{B}_4$ Close to the Ferromagnetic Transition. <i>Physical Review Letters</i> , 2009, 102, 237002.	7.8	10
101	Low temperature magnetic transitions of single crystal HoBi. <i>Solid State Communications</i> , 2013, 171, 59-63.	1.9	10
102	Low-temperature thermal conductivity of sodium borate glasses. <i>Physical Review B</i> , 1986, 34, 7394-7395.	3.2	9
103	Low temperature stm study on YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1988, 153-155, 1004-1005.	1.2	9
104	Tunneling measurements of the energy gap in Tl $\delta$ - and Bi $\delta$ -based oxide superconductors. <i>Journal of Applied Physics</i> , 1990, 67, 5026-5028.	2.5	9
105	Conductance regimes in superconducting junctions of atomic size. <i>Physical Review B</i> , 1994, 50, 374-379.	3.2	9
106	Atomic resolution and vortex lattice studies of magnetic superconductors: A first approach in the nickel borocarbide TmNi <sub>2</sub> B <sub>2</sub> C. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, 771-775.	1.2	9
107	Andreev reflection under high magnetic fields in ferromagnet-superconductor nanocontacts. <i>Physical Review B</i> , 2011, 84, .	3.2	9
108	Pyroelectric behavior of LiNbO <sub>3</sub> at low temperatures. <i>Applied Physics Letters</i> , 1981, 38, 472-473.	3.3	8

#	ARTICLE	IF	CITATIONS
109	Interfacial effects and superconductivity in high-T <sub>c</sub> materials. <i>Physical Review B</i> , 1989, 39, 334-338.	3.2	8
110	On the Hall effect in the two-channel Kondo ground state. <i>Europhysics Letters</i> , 1996, 34, 605-610.	2.0	8
111	Superconducting lead nanobridges under magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 332, 327-332.	1.2	8
112	Scanning Tunneling Microscopy and Spectroscopy of (LaSe) <sub>1.14</sub> (NbSe <sub>2</sub> ) at Very Low Temperatures and in Magnetic Field. <i>European Physical Journal D</i> , 2004, 54, 489-492.	0.4	8
113	Stabilization process effect on the Raman spectrum of vitreous boric oxide. <i>Journal of Non-Crystalline Solids</i> , 1981, 44, 387-389.	3.1	7
114	Experimental temperature measurements for the energy amplifier test. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 376, 89-103.	1.6	7
115	Low-temperature thermal properties of molecular glasses and crystals. <i>Phase Transitions</i> , 1997, 64, 87-102.	1.3	7
116	Superconducting density of states at the border of an amorphous thin film grown by focused-ion-beam. <i>Journal of Physics: Conference Series</i> , 2009, 150, 052064.	0.4	7
117	Tunneling spectroscopy of the superconducting state of URu <sub>2</sub> Si. <i>Physical Review B</i> , 2012, 85, .	3.2	7
118	Scanning microscopies of superconductors at very low temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 2012, 479, 19-23.	1.2	7
119	Tunneling spectroscopy at 4.2 K and 56 K on Bi <sub>4</sub> Ca <sub>3</sub> Sr <sub>3</sub> Cu <sub>4</sub> O <sub>16</sub> + $\hat{\Gamma}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 1045-1046.	1.2	6
120	Superconducting phonon structure in the transition from tunneling to contact regime. <i>Physical Review B</i> , 1994, 50, 7177-7179.	3.2	6
121	Thermal expansion of the disordered conductors MNiSn (M=Ti,Zr,Hf). <i>Physical Review B</i> , 1994, 50, 17881-17885.	3.2	6
122	Low-temperature thermal properties of molecular glasses. <i>European Physical Journal D</i> , 1996, 46, 2235-2236.	0.4	6
123	Magnetic and superconducting phase diagrams in ErNi <sub>2</sub> B <sub>2</sub> C. <i>Solid State Communications</i> , 2012, 152, 1076-1079.	1.9	6
124	Primary and secondary contributions to spontaneous polarization of LiNbO <sub>3</sub> below 50 K. <i>Physical Review B</i> , 1981, 24, 6694-6697.	3.2	5
125	Pyroelectric behavior of NaNO <sub>2</sub> between 2 and 85 K. <i>Ferroelectrics</i> , 1981, 33, 13-16.	0.6	5
126	A new design of the scanning tunneling microscope unit. <i>Surface Science</i> , 1987, 181, 376-379.	1.9	5



#	ARTICLE	IF	CITATIONS
127	Gapping of the electronic spectrum induced by magnetic instability in CeNiSn. <i>Physica B: Condensed Matter</i> , 1994, 199-200, 433-434.	2.7	5
128	Reversed metal replicas of freeze-dried proteins to be visualized with the scanning tunneling microscope. <i>Ultramicroscopy</i> , 1995, 60, 41-48.	1.9	5
129	Thermal properties of intrinsically disordered LiNbO <sub>3</sub> crystals at low temperatures. <i>Physical Review B</i> , 1998, 57, 13359-13362.	3.2	5
130	Nonequilibrium effects in superconducting necks of nanoscopic dimensions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 275, 299-305.	2.1	5
131	Anisotropic superconductivity in borocarbide superconductors and spin disorder. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 158-159.	2.3	5
132	Gap opening with ordering in PrFe <sub>4</sub> P <sub>12</sub> studied by local tunneling spectroscopy. <i>Physical Review B</i> , 2008, 77, .	3.2	5
133	Low temperature thermal expansion of NaNO <sub>2</sub> along the ferroelectric b-axis. <i>Solid State Communications</i> , 1982, 41, 103-105.	1.9	4
134	Low temperature thermal expansion of soda-borate glasses. <i>Solid State Communications</i> , 1983, 48, 143-145.	1.9	4
135	Low temperature thermal expansion and specific heat of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1988, 153-155, 1006-1007.	1.2	4
136	High resolution direct magnetostriction measurements of nearly-zero magnetostriction amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 110, 129-134.	2.3	4
137	Antiferromagnetism of superconducting Tb <sub>2</sub> Mo <sub>3</sub> Si <sub>4</sub> . <i>Physica B: Condensed Matter</i> , 1994, 194-196, 171-172.	2.7	4
138	Scanning Tunneling Spectroscopy in Anisotropic s-Wave Superconductors. <i>International Journal of Modern Physics B</i> , 2003, 17, 3300-3303.	2.0	4
139	Thermal expansion measured by STM in the magnetic superconductor. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 471-472.	2.7	4
140	Scanning tunneling spectroscopy of the vortex state in NbSe <sub>2</sub> using a superconducting tip. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 547-551.	1.2	4
141	In/extrinsic granularity in superconducting boron-doped diamond. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, 853-856.	1.2	4
142	Thermometry with a nearly temperature independent sensitivity using a normal-superconducting tunnel diode biased close to the superconducting gap. <i>Cryogenics</i> , 2010, 50, 397-400.	1.7	4
143	Topological superconductivity in metallic nanowires fabricated with a scanning tunneling microscope. <i>New Journal of Physics</i> , 2013, 15, 055020.	2.9	4
144	Nanostructuring superconducting vortex matter with focused ion beams. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 503, 70-74.	1.2	4

#	ARTICLE	IF	CITATIONS
145	The low-temperature thermal expansion and specific heat of glassy B <sub>2</sub> O <sub>3</sub> and two glassy sodium borates. <i>Journal of Physics C: Solid State Physics</i> , 1987, 20, 1-7.	1.5	3
146	Thermal expansion and infrared optical properties of heavy-fermion CeNiSn. <i>Physica B: Condensed Matter</i> , 1991, 171, 381-383.	2.7	3
147	STM study of independent mesoscopic superconducting particles. <i>Physica B: Condensed Matter</i> , 1996, 218, 265-268.	2.7	3
148	Evolution of calorimetric, magnetic and transport properties of U <sub>x</sub> Th <sub>1-x</sub> Be <sub>13</sub> (0.64 ≤ x ≤ 1) solid solutions. <i>Physica B: Condensed Matter</i> , 1996, 223-224, 464-466.	2.7	3
149	Phase transitions in silicon single crystals resulting from directional plastic deformation. <i>Physics of the Solid State</i> , 1998, 40, 687-690.	0.6	3
150	Low-temperature specific heat of molecular glasses and crystals. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1155-1156.	2.7	3
151	Observation of a spin-polarized current through single atom quantum point contacts. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 18, 264-265.	2.7	3
152	Intrinsic Josephson junction behaviour of the low T <sub>c</sub> superconductor (LaSe) <sub>1.14</sub> (NbSe <sub>2</sub> ). <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 543-546.	1.2	3
153	Temperature dependent tunneling spectroscopy in the heavy fermion CeRu <sub>2</sub> Si <sub>2</sub> and in the antiferromagnet CeRh <sub>2</sub> Si <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , 2012, 24, 475602.	1.8	3
154	Demonstration experiments for solid-state physics using a table-top mechanical Stirling refrigerator. <i>European Journal of Physics</i> , 2012, 33, 757-770.	0.6	3
155	Anharmonic contribution to the entropy of solids. Analysis of KF. <i>Journal of Physics C: Solid State Physics</i> , 1971, 4, 1703-1709.	1.5	2
156	A method for measuring isothermal compressibilities of solids. <i>Journal of Physics E: Scientific Instruments</i> , 1975, 8, 729-730.	0.7	2
157	Thermal expansion and heat capacity of Bi <sub>4</sub> Ca <sub>3</sub> Sr <sub>3</sub> Cu <sub>4</sub> O <sub>16</sub> at low temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 566-567.	1.2	2
158	COMPETITION BETWEEN GAPPING OF THE ELECTRONIC SPECTRUM AND MAGNETIC ORDER IN CeNiSn. <i>International Journal of Modern Physics B</i> , 1993, 07, 26-29.	2.0	2
159	ANOMALOUS LATTICE PROPERTIES OF ZrNiSn CAUSED BY ELECTRON LOCALIZATION. <i>International Journal of Modern Physics B</i> , 1993, 07, 383-386.	2.0	2
160	Localization induced transformation of the lattice modes of MNiSn (M=Zr, Hf, Ti) compounds. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 1089-1090.	2.7	2
161	Low-temperature thermal expansion of crystalline ortho-terphenyl. <i>Molecular Physics</i> , 1995, 85, 1037-1042.	1.7	2
162	Changes induced by annealing in the low temperature properties of linbo <sub>3</sub> . <i>Ferroelectrics</i> , 1996, 185, 17-20.	0.6	2

#	ARTICLE	IF	CITATIONS
163	Hall effect in the quadrupolar Kondo ground state. <i>Physical Review B</i> , 1996, 53, 11320-11323.	3.2	2
164	Comparative spectroscopic study of $\text{NiS}_{2-x}\text{Se}_x$ single crystals. <i>Physical Review B</i> , 1998, 58, 10256-10260.	3.2	2
165	Experimental study of the thermal expansion of $(\text{Ag})_{0.67}(\text{Ag})_2(\text{MoO}_4)_{0.33}$ ionic glass from 5 K to 300 K. <i>Philosophical Magazine</i> , 2008, 88, 3973-3978.	1.6	2
166	Thermal expansion of silver iodide-silver molybdate glasses at low temperatures. <i>Journal of Chemical Physics</i> , 2009, 130, 204508.	3.0	2
167	Low-frequency Gr $\frac{1}{4}$ neisen parameters of glasses: Model estimation. <i>Journal of Non-Crystalline Solids</i> , 1976, 21, 293-296.	3.1	1
168	On the low frequency Gr $\frac{1}{4}$ neisen parameter of glasses: A one-dimensional numerical analysis. <i>Solid State Communications</i> , 1976, 20, 1069-1072.	1.9	1
169	Low temperature measurements of spontaneous polarization in ferroelectrics. <i>Ferroelectrics</i> , 1980, 24, 101-106.	0.6	1
170	Thermal expansion of the heavy electron superconductor $\text{URu}_2\text{Si}_2$ . <i>Journal of Alloys and Compounds</i> , 1992, 181, 171-177.	5.5	1
171	TRANSFORMATION OF THE U GROUND STATE IN $\text{UXTh}_{1-x}\text{Be}_{13}$ ( $1 > x > 0.07$ ) COMPOUNDS. <i>International Journal of Modern Physics B</i> , 1993, 07, 22-25.	2.0	1
172	Nonlinear susceptibility in $\text{U}_{0.9}\text{Th}_{0.1}\text{Be}_{13}$ : Direct test of a quadrupolar Kondo ground state. <i>Physica B: Condensed Matter</i> , 1996, 223-224, 475-477.	2.7	1
173	Ground state properties of. <i>Physica B: Condensed Matter</i> , 1999, 259-261, 419-420.	2.7	1
174	Thermal expansion of the magnetic superconductor $\text{Er}_{0.4}\text{Ho}_{0.6}\text{Rh}_4\text{B}_4$ . <i>Physica B: Physics of Condensed Matter &amp; C: Atomic, Molecular and Plasma Physics, Optics</i> , 1987, 148, 141-144.	0.9	0
175	X-ray studies of field-induced orientation of small superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ particles. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 153-155, 986-987.	1.2	0
176	Measurement of magnetic forces on small high $T_c$ superconductor single crystals in magnetic field gradients. <i>Cryogenics</i> , 1993, 33, 266-269.	1.7	0
177	Low temperature specific heat of ferroelectric trisarcosine calcium chloride. <i>Ferroelectrics, Letters Section</i> , 1996, 20, 127-130.	1.0	0
178	Quadrupolar kondo ground state in $\text{U}_{0.9}\text{Th}_{0.1}\text{Be}_{13}$ . <i>European Physical Journal D</i> , 1996, 46, 2585-2586.	0.4	0
179	Topographical studies of bacteriophage $\phi_29$ connector bidimensional crystals using scanning tunneling microscopy. <i>Micron</i> , 1996, 27, 375-380.	2.2	0
180	Polymorphic ethyl alcohol as a model system for the quantitative study of glassy behavior. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 433-434.	2.7	0

#	ARTICLE	IF	CITATIONS
181	Ground state properties of $\text{Ce}_{1-x}\text{Y}_x\text{Ni}_{0.8}\text{Pt}_{0.2}$ for $0 \leq x \leq 0.3$ near ferromagnetic instability. <i>Physica B: Condensed Matter</i> , 1999, 259-261, 40-41.	2.7	0
182	Ground-state crossover in $\text{U}_{1-x}\text{Th}_x\text{Be}_{13}$ ( $0 \leq x \leq 0.15$ ). <i>Journal of Physics Condensed Matter</i> , 2000, 12, 4187-4193.	1.8	0
183	The evanescence of ferromagnetic order in the $\text{Ce}_{1-x}\text{Y}_x\text{Ni}_x\text{Pt}_{0.2}$ dense Kondo system. <i>European Physical Journal B</i> , 2002, 28, 103-109.	1.5	0
184	Low-Temperature Specific Heat and Brillouin Scattering Measurements on Hydrogen-Bonded Glasses. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	0
185	Mechanical Properties of Metallic Nanocontacts. <i>Nanoscience and Technology</i> , 2015, , 333-361.	1.5	0