

# Sebastian Vieira

## List of Publications by Year in descending order

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185  
papers

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76326

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185  
docs citations

185  
times ranked

4314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical Properties of Metallic Nanocontacts. <i>Nanoscience and Technology</i> , 2015, , 333-361.	1.5	0
2	Nanostructuring superconducting vortex matter with focused ion beams. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 503, 70-74.	1.2	4
3	Imaging superconducting vortex cores and lattices with a scanning tunneling microscope. <i>Superconductor Science and Technology</i> , 2014, 27, 063001.	3.5	81
4	Zero-bias conductance peak in detached flakes of superconducting $2 \times 2$ $\text{H-TaS}_2$ probed by scanning tunneling spectroscopy. <i>Physical Review B</i> , 2014, 89, .	3.2	22
5	$2 \times 2$ $\text{H-TaSe}$ : Evidence for a zero-bias anomaly in single layers. <i>Physical Review B</i> , 2013, 87, .	3.2	33
6	Low temperature magnetic transitions of single crystal $\text{HoBi}$ . <i>Solid State Communications</i> , 2013, 171, 59-63.	1.9	10
7	Magnetic field-induced dissipation-free state in superconducting nanostructures. <i>Nature Communications</i> , 2013, 4, 1437.	12.8	90
8	Pressure dependence of superconducting critical temperature and upper critical field of $2 \times 2$ $\text{H-NbS}$ . <i>Physical Review B</i> , 2013, 87, .	3.2	63
9	Scanning tunneling microscopy in the superconductor $2 \times 2$ $\text{LaSb}$ . <i>Physical Review B</i> , 2013, 87, .	3.2	14
10	Topological superconductivity in metallic nanowires fabricated with a scanning tunneling microscope. <i>New Journal of Physics</i> , 2013, 15, 055020.	2.9	4
11	Superconductivity and magnetism on flux-grown single crystals of $3 \times 3$ $\text{NiBi}$ . <i>Physical Review B</i> , 2013, 88, .	3.2	28
12	Supercurrent on a vortex core in $2\text{H-NbSe}_2$ : Current-driven scanning tunneling spectroscopy measurements. <i>Physical Review B</i> , 2013, 88, .	3.2	15
13	Temperature dependent tunneling spectroscopy in the heavy fermion $2 \times 2$ $\text{CeRu}_2\text{Si}_2$ and in the antiferromagnet $2 \times 2$ $\text{CeRh}_2\text{Si}_2$ . <i>Journal of Physics Condensed Matter</i> , 2012, 24, 475602.	1.8	3
14	Tunneling spectroscopy of the superconducting state of $2 \times 2$ $\text{URu}_2\text{Si}_2$ . <i>Physical Review B</i> , 2012, 85, .	3.2	7
15	Topological Superconducting State of Lead Nanowires in an External Magnetic Field. <i>Physical Review Letters</i> , 2012, 109, 237003.	7.8	19
16	Scanning microscopies of superconductors at very low temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 2012, 479, 19-23.	1.2	7
17	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
18	Magnetic and superconducting phase diagrams in $\text{ErNi}_2\text{B}_2\text{C}$ . <i>Solid State Communications</i> , 2012, 152, 1076-1079.	1.9	6

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19	Compact very low temperature scanning tunneling microscope with mechanically driven horizontal linear positioning stage. Review of Scientific Instruments, 2011, 82, 033711.	1.3	43
20	Direct Observation of Stress Accumulation and Relaxation in Small Bundles of Superconducting Vortices in Tungsten Thin Films. Physical Review Letters, 2011, 106, 077001.	7.8	27
21	Andreev reflection under high magnetic fields in ferromagnet-superconductor nanocontacts. Physical Review B, 2011, 84, .	3.2	9
22	Scanning tunneling spectroscopy under large current flow through the sample. Review of Scientific Instruments, 2011, 82, 073710.	1.3	11
23	Chiral charge order in the superconductor $2\text{H-TaS}_2$ . New Journal of Physics, 2011, 13, 103020.	2.9	45
24	Atomic resolution and vortex lattice studies of magnetic superconductors: A first approach in the nickel borocarbide $\text{TmNi}_2\text{B}_2\text{C}$ . Physica C: Superconductivity and Its Applications, 2010, 470, 771-775.	1.2	9
25	In/extrinsic granularity in superconducting boron-doped diamond. Physica C: Superconductivity and Its Applications, 2010, 470, 853-856.	1.2	4
26	Thermometry with a nearly temperature independent sensitivity using a normal-superconducting tunnel diode biased close to the superconducting gap. Cryogenics, 2010, 50, 397-400.	1.7	4
27	Intrinsic granularity in nanocrystalline boron-doped diamond films measured by scanning tunneling microscopy. Physical Review B, 2009, 80, .	3.2	17
28	Evolution of the Local Superconducting Density of States in $\text{ErRh}_4\text{B}_4$ Close to the Ferromagnetic Transition. Physical Review Letters, 2009, 102, 237002.	7.8	10
29	A nodeless superconducting gap in $\text{Sr}_2\text{RuO}_4$ from tunneling spectroscopy. New Journal of Physics, 2009, 11, 093004.	2.9	39
30	Direct observation of melting in a two-dimensional superconducting vortex lattice. Nature Physics, 2009, 5, 651-655.	16.7	115
31	Thermal expansion of silver iodide-silver molybdate glasses at low temperatures. Journal of Chemical Physics, 2009, 130, 204508.	3.0	2
32	Superconducting density of states at the border of an amorphous thin film grown by focused-ion-beam. Journal of Physics: Conference Series, 2009, 150, 052064.	0.4	7
33	Scanning tunneling spectroscopy of the vortex state in $\text{NbSe}_2$ using a superconducting tip. Physica C: Superconductivity and Its Applications, 2008, 468, 547-551.	1.2	4
34	Intrinsic Josephson junction behaviour of the low $T_c$ superconductor $(\text{LaSe})_{1.14}(\text{NbSe}_2)$ . Physica C: Superconductivity and Its Applications, 2008, 468, 543-546.	1.2	3
35	Scanning tunneling spectroscopy with superconducting tips of Al. Physica C: Superconductivity and Its Applications, 2008, 468, 537-542.	1.2	32
36	Intrinsic atomic-scale modulations of the superconducting gap of $\text{HgBa}_2\text{CuO}_8$ . Physical Review B, 2008, 77, .	3.2	82

#	ARTICLE	IF	CITATIONS
37	Superconducting Density of States and Vortex Cores of $2H\text{-NbS}_2$ . Physical Review Letters, 2008, 101, 166407.	7.8	183
38	Experimental study of the thermal expansion of $(\text{Ag})_{0.67}(\text{Ag})_2\text{MoO}_4$ ionic glass from 5 K to 300 K. Philosophical Magazine, 2008, 88, 3973-3978.	1.6	2
39	Nanoscale superconducting properties of amorphous W-based deposits grown with a focused-ion-beam. New Journal of Physics, 2008, 10, 093005.	2.9	66
40	Gap opening with ordering in $\text{PrFe}_4\text{P}_{12}$ studied by local tunneling spectroscopy. Physical Review B, 2008, 77, .	3.2	5
41	On the phase diagram of polymorphic ethanol: Thermodynamic and structural studies. Journal of Non-Crystalline Solids, 2006, 352, 4769-4775.	3.1	43
42	Josephson current at atomic scale: Tunneling and nanocontacts using a STM. Physica C: Superconductivity and Its Applications, 2006, 437-438, 270-273.	1.2	12
43	Thermal expansion measured by STM in the magnetic superconductor. Physica B: Condensed Matter, 2006, 378-380, 471-472.	2.7	4
44	Local Superconducting Density of States of $\text{ErNi}_2\text{B}_2\text{C}$ . Physical Review Letters, 2006, 96, 027003.	7.8	35
45	Pressure Induced Effects on the Fermi Surface of Superconducting $2H\text{-NbSe}_2$ . Physical Review Letters, 2005, 95, 117006.	7.8	107
46	Superconducting nanostructures fabricated with the scanning tunnelling microscope. Journal of Physics Condensed Matter, 2004, 16, R1151-R1182.	1.8	38
47	Very-low-temperature tunneling spectroscopy in the heavy-fermion superconductor $\text{PrOs}_4\text{Sb}_{12}$ . Physical Review B, 2004, 69, .	3.2	67
48	Low-Temperature Specific Heat and Brillouin Scattering Measurements on Hydrogen-Bonded Glasses. AIP Conference Proceedings, 2004, , .	0.4	0
49	On the use of STM superconducting tips at very low temperatures. European Physical Journal B, 2004, 40, 483-488.	1.5	69
50	Scanning Tunneling Microscopy and Spectroscopy of $(\text{LaSe})_{1.14}(\text{NbSe}_2)$ at Very Low Temperatures and in Magnetic Field. European Physical Journal D, 2004, 54, 489-492.	0.4	8
51	STM study of multiband superconductivity in $\text{NbSe}_2$ using a superconducting tip. Physica C: Superconductivity and Its Applications, 2004, 404, 306-310.	1.2	75
52	Anisotropic superconductivity in borocarbide superconductors and spin disorder. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 158-159.	2.3	5
53	Pressure dependence of the upper critical field of $\text{MgB}_2$ and of $\text{YNi}_2\text{B}_2\text{C}$ . Physical Review B, 2004, 70, .	3.2	47
54	Scanning tunneling spectroscopy in $\text{MgB}_2$ . Physica C: Superconductivity and Its Applications, 2003, 385, 233-243.	1.2	42

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55	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
56	Superconducting nanobridges under magnetic fields. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 237, 386-393.	1.5	17
57	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
58	Phonon-mediated anisotropic superconductivity in the Y and Lu nickel borocarbides. <i>Physical Review B</i> , 2003, 67, .	3.2	50
59	Single-channel transmission in gold one-atom contacts and chains. <i>Physical Review B</i> , 2003, 67, .	3.2	26
60	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
61	Scanning Tunneling Spectroscopy in Anisotropic s-Wave Superconductors. <i>International Journal of Modern Physics B</i> , 2003, 17, 3300-3303.	2.0	4
62	Quantum Conductance in Semimetallic Bismuth Nanocontacts. <i>Physical Review Letters</i> , 2002, 88, 246801.	7.8	29
63	Chemical Isomerism as a Key to Explore Free-Energy Landscapes in Disordered Matter. <i>Physical Review Letters</i> , 2002, 88, 115506.	7.8	36
64	Calibration of the length of a chain of single gold atoms. <i>Physical Review B</i> , 2002, 66, .	3.2	132
65	Proximity effect and strong-coupling superconductivity in nanostructures built with an STM. <i>Physical Review B</i> , 2002, 65, .	3.2	36
66	Onset of Energy Dissipation in Ballistic Atomic Wires. <i>Physical Review Letters</i> , 2002, 88, 216803.	7.8	239
67	Low-temperature specific heat of amorphous, orientational glass, and crystal phases of ethanol. <i>Physical Review B</i> , 2002, 66, .	3.2	63
68	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
69	Scanning tunneling microscopy and spectroscopy at very low temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 369, 106-112.	1.2	23
70	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
71	Electron transport and phonons in atomic wires. <i>Chemical Physics</i> , 2002, 281, 231-234.	1.9	62
72	The evanescence of ferromagnetic order in the Ce $\text{Ce}_{1-x}\text{Y}_x\text{Ni}_{0.8}\text{Pt}_{0.2}$ dense Kondo system. <i>European Physical Journal B</i> , 2002, 28, 103-109.	1.5	0

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73	Thermodynamic and structural properties of the two isomers of solid propanol. Journal of Non-Crystalline Solids, 2001, 287, 226-230.	3.1	28
74	Experimental verification of neutron phenomenology in lead and of transmutation by adiabatic resonance crossing in accelerator driven systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 463, 586-592.	1.6	19
75	Mechanical Properties and Formation Mechanisms of a Wire of Single Gold Atoms. Physical Review Letters, 2001, 87, .	7.8	379
76	Tunneling Spectroscopy in Small Grains of Superconducting MgB <sub>2</sub> . Physical Review Letters, 2001, 86, 5582-5584.	7.8	160
77	Low-temperature specific heat and thermal conductivity of glycerol. Physical Review B, 2001, 65, .	3.2	33
78	Tunneling spectroscopy in the magnetic superconductor TmNi <sub>2</sub> B <sub>2</sub> C. Physical Review B, 2001, 64, .	3.2	36
79	Scanning Kelvin microscopy as a tool for visualization of optically induced molecular switching in azobenzene self assembling films. Surface and Interface Analysis, 2000, 30, 549-551.	1.8	13
80	Low-temperature specific heat of molecular glasses and crystals. Physica B: Condensed Matter, 2000, 284-288, 1155-1156.	2.7	3
81	Nonequilibrium effects in superconducting necks of nanoscopic dimensions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 275, 299-305.	2.1	5
82	Superconducting lead nanobridges under magnetic fields. Physica C: Superconductivity and Its Applications, 2000, 332, 327-332.	1.2	8
83	Andreev scattering in nanoscopic junctions in a magnetic field. Europhysics Letters, 2000, 50, 749-755.	2.0	25
84	Ground-state crossover in U <sub>1-x</sub> Th <sub>x</sub> Be <sub>13</sub> (0 ≤ x ≤ 0.15). Journal of Physics Condensed Matter, 2000, 12, 4187-4193.	1.8	0
85	Quantum interference in atomic-sized point contacts. Physical Review B, 2000, 62, 9962-9965.	3.2	54
86	Ground state properties of Ce <sub>1-x</sub> Y <sub>x</sub> Ni <sub>0.8</sub> Pt <sub>0.2</sub> for 0 ≤ x ≤ 0.3 near ferromagnetic instability. Physica B: Condensed Matter, 1999, 259-261, 40-41.	2.7	0
87	Ground state properties of. Physica B: Condensed Matter, 1999, 259-261, 419-420.	2.7	1
88	Experimental verification of neutron phenomenology in lead and transmutation by adiabatic resonance crossing in accelerator driven systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 167-180.	4.1	42
89	Phase transitions in silicon single crystals resulting from directional plastic deformation. Physics of the Solid State, 1998, 40, 687-690.	0.6	3
90	Molecular Order within Langmuir-Blodgett Films of Two Amphiphilic Octasubstituted Phthalocyanines Studied by Atomic Force Microscopy. Langmuir, 1998, 14, 4227-4231.	3.5	21

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91	Low-temperature specific heat and glassy dynamics of a polymorphic molecular solid. Physical Review B, 1998, 58, 745-755.	3.2	98
92	Comparative spectroscopic study of $\text{NiS}_{2-x}\text{Se}_x$ single crystals. Physical Review B, 1998, 58, 10256-10260.	3.2	2
93	Thermal properties of intrinsically disordered $\text{LiNbO}_3$ crystals at low temperatures. Physical Review B, 1998, 57, 13359-13362.	3.2	5
94	Nanosized superconducting constrictions. Physical Review B, 1998, 58, 11173-11176.	3.2	32
95	Low-temperature specific heat of different $\text{B}_2\text{O}_3$ glasses. Physical Review B, 1997, 56, 32-35.	3.2	41
96	Point-contact spectroscopy on $\text{URu}_2\text{Si}_2$ . Physical Review B, 1997, 55, 14318-14322.	3.2	40
97	Experimental evidence of nonactivated creep in $\text{Pb}(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$ ceramics at low temperatures. Physical Review B, 1997, 56, R2900-R2903.	3.2	14
98	Atomic Force Microscopy Studies of Photoisomerization of an Azobenzene Derivative on Langmuir-Blodgett Monolayers. Langmuir, 1997, 13, 870-872.	3.5	36
99	Fabrication and characterization of metallic nanowires. Physical Review B, 1997, 56, 2154-2160.	3.2	88
100	Correlation of elastic, acoustic and thermodynamic properties in $\text{B}_2\text{O}_3$ glasses. Journal of Non-Crystalline Solids, 1997, 221, 170-180.	3.1	33
101	Low-temperature thermal properties of molecular glasses and crystals. Phase Transitions, 1997, 64, 87-102.	1.3	7
102	Quantitative Assessment of the Effects of Orientational and Positional Disorder on Glassy Dynamics. Physical Review Letters, 1997, 78, 82-85.	7.8	162
103	Polymorphic ethyl alcohol as a model system for the quantitative study of glassy behavior. Physica B: Condensed Matter, 1997, 234-236, 433-434.	2.7	0
104	Plastic Deformation in Nanometer Scale Contacts. Langmuir, 1996, 12, 4505-4509.	3.5	35
105	Atomic-Sized Metallic Contacts: Mechanical Properties and Electronic Transport. Physical Review Letters, 1996, 76, 2302-2305.	7.8	539
106	Low temperature specific heat of ferroelectric trisarcosine calcium chloride. Ferroelectrics, Letters Section, 1996, 20, 127-130.	1.0	0
107	Quadrupolar kondo ground state in $\text{U}_{0.9}\text{Th}_{0.1}\text{Be}_{13}$ . European Physical Journal D, 1996, 46, 2585-2586.	0.4	0
108	Low-temperature thermal properties of molecular glasses. European Physical Journal D, 1996, 46, 2235-2236.	0.4	6

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109	Experimental temperature measurements for the energy amplifier test. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 376, 89-103.	1.6	7
110	STM study of the atomic contact between metallic electrodes. Physica B: Condensed Matter, 1996, 218, 238-241.	2.7	38
111	STM study of independent mesoscopic superconducting particles. Physica B: Condensed Matter, 1996, 218, 265-268.	2.7	3
112	Evolution of calorimetric, magnetic and transport properties of $U_xTh_{1-x}Be_{13}$ ( $0.64 \leq x \leq 1$ ) solid solutions. Physica B: Condensed Matter, 1996, 223-224, 464-466.	2.7	3
113	Nonlinear susceptibility in $U_{0.9}Th_{0.1}Be_{13}$ : Direct test of a quadrupolar Kondo ground state. Physica B: Condensed Matter, 1996, 223-224, 475-477.	2.7	1
114	Topographical studies of bacteriophage $\lambda$ 29 connector bidimensional crystals using scanning tunneling microscopy. Micron, 1996, 27, 375-380.	2.2	0
115	Changes induced by annealing in the low temperature properties of $LiNbO_3$ . Ferroelectrics, 1996, 185, 17-20.	0.6	2
116	Hall effect in the quadrupolar Kondo ground state. Physical Review B, 1996, 53, 11320-11323.	3.2	2
117	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
118	On the Hall effect in the two-channel Kondo ground state. Europhysics Letters, 1996, 34, 605-610.	2.0	8
119	The quadrupolar Kondo ground state in. Journal of Physics Condensed Matter, 1996, 8, 9807-9814.	1.8	14
120	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
121	Reversed metal replicas of freeze-dried proteins to be visualized with the scanning tunneling microscope. Ultramicroscopy, 1995, 60, 41-48.	1.9	5
122	Anomalous ground state in $U_{0.9}Th_{0.1}Be_{13}$ . Physica B: Condensed Matter, 1995, 206-207, 454-456.	2.7	16
123	Plastic Deformation of Nanometer-Scale Gold Connective Necks. Physical Review Letters, 1995, 74, 3995-3998.	7.8	283
124	Mechanisms of heat conductivity in high- $T_c$ superconductors. Physical Review B, 1995, 51, 15474-15477.	3.2	21
125	Low-temperature thermal expansion of crystalline ortho-terphenyl. Molecular Physics, 1995, 85, 1037-1042.	1.7	2
126	Non-Linear Susceptibility in $U_{0.9}Th_{0.1}Be_{13}$ : Evidence of a Transition from a Paramagnetic to a Quadrupolar Kondo Ground State. Europhysics Letters, 1995, 32, 765-770.	2.0	29



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127	A Superconducting Magnet: Tb <sub>2</sub> Mo <sub>3</sub> Si <sub>4</sub> . Europhysics Letters, 1994, 25, 143-148.	2.0	12
128	Josephson effect in nanoscopic structures. Physical Review B, 1994, 50, 12788-12792.	3.2	11
129	Conductance regimes in superconducting junctions of atomic size. Physical Review B, 1994, 50, 374-379.	3.2	9
130	Superconducting phonon structure in the transition from tunneling to contact regime. Physical Review B, 1994, 50, 7177-7179.	3.2	6
131	Antiferromagnetism of superconducting Tb <sub>2</sub> Mo <sub>3</sub> Si <sub>4</sub> . Physica B: Condensed Matter, 1994, 194-196, 171-172.	2.7	4
132	Localization induced transformation of the lattice modes of MNiSn (M=Zr, Hf, Ti) compounds.. Physica B: Condensed Matter, 1994, 194-196, 1089-1090.	2.7	2
133	Gapping of the electronic spectrum induced by magnetic instability in CeNiSn. Physica B: Condensed Matter, 1994, 199-200, 433-434.	2.7	5
134	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. Solid State Communications, 1994, 91, 775-778.	1.9	23
135	Plastic deformation in atomic size contacts. Thin Solid Films, 1994, 253, 199-203.	1.8	28
136	Thermal expansion of the disordered conductors MNiSn (M=Ti,Zr,Hf). Physical Review B, 1994, 50, 17881-17885.	3.2	6
137	Measurement of magnetic forces on small high T <sub>c</sub> superconductor single crystals in magnetic field gradients. Cryogenics, 1993, 33, 266-269.	1.7	0
138	Conductance steps and quantization in atomic-size contacts. Physical Review B, 1993, 47, 12345-12348.	3.2	402
139	TRANSFORMATION OF THE U GROUND STATE IN U <sub>X</sub> Th <sub>1-<math>\hat{X}</math></sub> Be <sub>13</sub> (1 > X > 0.07) COMPOUNDS. International Journal of Modern Physics B, 1993, 07, 22-25.	2.0	1
140	COMPETITION BETWEEN GAPPING OF THE ELECTRONIC SPECTRUM AND MAGNETIC ORDER IN CeNiSn. International Journal of Modern Physics B, 1993, 07, 26-29.	2.0	2
141	ANOMALOUS LATTICE PROPERTIES OF ZrNiSn CAUSED BY ELECTRON LOCALIZATION. International Journal of Modern Physics B, 1993, 07, 383-386.	2.0	2
142	Atomic-scale connective neck formation and characterization. Physical Review B, 1993, 48, 8499-8501.	3.2	61
143	Energy gap of the ground state of CeNiSn caused by local and long-range magnetic-moment interactions. Physical Review B, 1993, 47, 769-772.	3.2	19
144	Transition from the tunneling regime to point contact and proximity-induced Josephson effect in lead-normal-metal nanojunctions. Physical Review B, 1992, 46, 5814-5817.	3.2	34

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145	Thermal expansion of the heavy electron superconductor URu <sub>2</sub> Si <sub>2</sub> . Journal of Alloys and Compounds, 1992, 181, 171-177.	5.5	1
146	On the transition from tunneling regime to point-contact: graphite. Ultramicroscopy, 1992, 42-44, 177-183.	1.9	20
147	High resolution direct magnetostriction measurements of nearly-zero magnetostriction amorphous ribbons. Journal of Magnetism and Magnetic Materials, 1992, 110, 129-134.	2.3	4
148	Thermal expansion and infrared optical properties of heavy-fermion CeNiSn. Physica B: Condensed Matter, 1991, 171, 381-383.	2.7	3
149	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. Journal of Low Temperature Physics, 1991, 85, 359-376.	1.4	32
150	Tunneling measurements of the energy gap in Tl <sub>2</sub> Bi <sub>2</sub> based oxide superconductors. Journal of Applied Physics, 1990, 67, 5026-5028.	2.5	9
151	Interfacial effects and superconductivity in high-T <sub>c</sub> materials. Physical Review B, 1989, 39, 334-338.	3.2	8
152	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> + $\delta$ . Physical Review B, 1989, 40, 11403-11405.	3.2	17
153	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> + $\delta$ . Physica C: Superconductivity and Its Applications, 1989, 162-164, 1045-1046.	1.2	6
154	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> + $\delta$ at low temperatures. Physica C: Superconductivity and Its Applications, 1989, 162-164, 566-567.	1.2	2
155	X-ray studies of field-induced orientation of small superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> particles. Physica C: Superconductivity and Its Applications, 1988, 153-155, 986-987.	1.2	0
156	Low temperature stm study on YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Physica C: Superconductivity and Its Applications, 1988, 153-155, 1004-1005.	1.2	9
157	Low temperature thermal expansion and specific heat of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . Physica C: Superconductivity and Its Applications, 1988, 153-155, 1006-1007.	1.2	4
158	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-x</sub> . Solid State Communications, 1988, 65, 1555-1557.	1.9	12
159	High T <sub>c</sub> superconductive materials: Bulk or twinned domain/grain boundary percolative network superconductors?. European Physical Journal B, 1988, 70, 9-13.	1.5	26
160	Are the high T <sub>c</sub> superconducting materials bulk superconductors or grain boundary percolating network superconductors? (abstract). Journal of Applied Physics, 1988, 63, 4213-4213.	2.5	20
161	Field-induced orientation of nonlevitated microcrystals of superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . Physical Review Letters, 1988, 60, 744-747.	7.8	23
162	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> + $\delta$ . Physical Review B, 1988, 38, 9295-9298.	3.2	44

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	Piezoelectric Behaviour of Several Ceramic Materials at Low Temperatures. <i>Japanese Journal of Applied Physics</i> , 1987, 26, 1711.	1.5	10
166	A new design of the scanning tunneling microscope unit. <i>Surface Science</i> , 1987, 181, 376-379.	1.9	5
167	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
168	Thermal expansion of the magnetic superconductor Er <sub>0.4</sub> Ho <sub>0.6</sub> Rh <sub>4</sub> B <sub>4</sub> . <i>Physica B: Physics of Condensed Matter &amp; C: Atomic, Molecular and Plasma Physics, Optics</i> , 1987, 148, 141-144.	0.9	0
169	Low-temperature thermal conductivity of sodium borate glasses. <i>Physical Review B</i> , 1986, 34, 7394-7395.	3.2	9
170	Low temperature thermal expansion of soda-borate glasses. <i>Solid State Communications</i> , 1983, 48, 143-145.	1.9	4
171	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
172	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
173	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
174	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
175	Pyroelectric behavior of LiNbO <sub>3</sub> at low temperatures. <i>Applied Physics Letters</i> , 1981, 38, 472-473.	3.3	8
176	Pyroelectric behavior of NaNO <sub>2</sub> between 2 and 85 K. <i>Ferroelectrics</i> , 1981, 33, 13-16.	0.6	5
177	Low temperature measurements of spontaneous polarization in ferroelectrics. <i>Ferroelectrics</i> , 1980, 24, 101-106.	0.6	1
178	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
179	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
180	Spontaneous Polarization of Ferroelectric Triglycine Sulfate between 2.2 and 20 K. <i>Physical Review Letters</i> , 1978, 41, 1822-1824.	7.8	18

#	ARTICLE	IF	CITATIONS
181	Low-frequency Gr <sup>1/4</sup> neisen parameters of glasses: Model estimation. Journal of Non-Crystalline Solids, 1976, 21, 293-296.	3.1	1
182	On the low frequency Gr <sup>1/4</sup> neisen parameter of glasses: A one-dimensional numerical analysis. Solid State Communications, 1976, 20, 1069-1072.	1.9	1
183	Linear Isothermal Compressibilities of beta-Eucryptite. Journal of the American Ceramic Society, 1975, 58, 262-262.	3.8	51
184	A method for measuring isothermal compressibilities of solids. Journal of Physics E: Scientific Instruments, 1975, 8, 729-730.	0.7	2
185	Anharmonic contribution to the entropy of solids. Analysis of KF. Journal of Physics C: Solid State Physics, 1971, 4, 1703-1709.	1.5	2