Sebastian Vieira

List of Publications by Citations

184 papers	5,657 citations	38 h-index	70 g-index
185 ext. papers	5,932 ext. citations	3 avg, IF	5.11 L-index

#	Paper	IF	Citations
184	Atomic-sized metallic contacts: Mechanical properties and electronic transport. *Physical Review Letters*, **1996**, 76, 2302-2305	7.4	500
183	Conductance steps and quantization in atomic-size contacts. *Physical Review B*, **1993**, 47, 12345-12348	3.3	378
182	Mechanical Properties and Formation Mechanisms of a Wire of Single Gold Atoms. *Physical Review Letters*, **2001**, 87,	7.4	347
181	Plastic Deformation of Nanometer-Scale Gold Connective Necks. *Physical Review Letters*, **1995**, 74, 3995-3998	7.4	262
180	Onset of energy dissipation in ballistic atomic wires. *Physical Review Letters*, **2002**, 88, 216803	7.4	223
179	Quantitative Assessment of the Effects of Orientational and Positional Disorder on Glassy Dynamics. *Physical Review Letters*, **1997**, 78, 82-85	7.4	154
178	Tunneling spectroscopy in small grains of superconducting MgB(2). *Physical Review Letters*, **2001**, 86, 5582-4	7.4	154
177	Superconducting density of states and vortex cores of 2H-NbS2. *Physical Review Letters*, **2008**, 101, 166407	7.4	140
176	Calibration of the length of a chain of single gold atoms. *Physical Review B*, **2002**, 66,	3.3	112
175	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	4.2	96
174	Conductance step for a single-atom contact in the scanning tunneling microscope: Noble and transition metals. *Physical Review B*, **1996**, 53, 16086-16090	3.3	94
173	Direct observation of melting in a two-dimensional superconducting vortex lattice. *Nature Physics*, **2009**, 5, 651-655	16.2	92
172	Pressure induced effects on the Fermi surface of superconducting 2H-NbSe2. *Physical Review Letters*, **2005**, 95, 117006	7.4	90
171	Low-temperature specific heat and glassy dynamics of a polymorphic molecular solid. *Physical Review B*, **1998**, 58, 745-755	3.3	88
170	Fabrication and characterization of metallic nanowires. *Physical Review B*, **1997**, 56, 2154-2160	3.3	83
169	Magnetic field-induced dissipation-free state in superconducting nanostructures. *Nature Communications*, **2013**, 4, 1437	17.4	75
168	Intrinsic atomic-scale modulations of the superconducting gap of 2H-NbSe2. *Physical Review B*, **2008**, 77,	3.3	74

167	STM study of multiband superconductivity in NbSe2 using a superconducting tip. *Physica C: Superconductivity and Its Applications*, **2004**, 404, 306-310	1.3	68
166	Very-low-temperature tunneling spectroscopy in the heavy-fermion superconductor PrOs4Sb12. *Physical Review B*, **2004**, 69,	3.3	65
165	Results from the TARC experiment: spallation neutron phenomenology in lead and neutron-driven nuclear transmutation by adiabatic resonance crossing. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2002**, 478, 577-730	1.2	63
164	On the use of STM superconducting tips at very low temperatures. *European Physical Journal B*, **2004**, 40, 483-488	1.2	60
163	Low-temperature specific heat of amorphous, orientational glass, and crystal phases of ethanol. *Physical Review B*, **2002**, 66,	3.3	60
162	Electron transport and phonons in atomic wires. *Chemical Physics*, **2002**, 281, 231-234	2.3	59
161	Nanoscale superconducting properties of amorphous W-based deposits grown with a focused-ion-beam. *New Journal of Physics*, **2008**, 10, 093005	2.9	58
160	Atomic-scale connective neck formation and characterization. *Physical Review B*, **1993**, 48, 8499-8501	3.3	57
159	Imaging superconducting vortex cores and lattices with a scanning tunneling microscope. *Superconductor Science and Technology*, **2014**, 27, 063001	3.1	56
158	Quantum interference in atomic-sized point contacts. *Physical Review B*, **2000**, 62, 9962-9965	3.3	51
157	Pressure dependence of superconducting critical temperature and upper critical field of 2H-NbS2. *Physical Review B*, **2013**, 87,	3.3	48
156	Low-temperature specific heat of structural and orientational glasses of simple alcohols. *Journal of Physics Condensed Matter*, **2003**, 15, S1007-S1018	1.8	48
155	Phonon-mediated anisotropic superconductivity in the Y and Lu nickel borocarbides. *Physical Review B*, **2003**, 67,	3.3	48
154	Linear Isothermal Compressibilities of Eucryptite. *Journal of the American Ceramic Society*, **1975**, 58, 262-262	3.8	48
153	Pressure dependence of the upper critical field of MgB2 and of YNi2B2C. *Physical Review B*, **2004**, 70,	3.3	43
152	On the phase diagram of polymorphic ethanol: Thermodynamic and structural studies. *Journal of Non-Crystalline Solids*, **2006**, 352, 4769-4775	3.9	42
151	Tunneling measurements of the energy gap in Bi4Ca3Sr3Cu4O16+ delta. *Physical Review B*, **1988**, 38, 9295-9298	3.3	42
150	Compact very low temperature scanning tunneling microscope with mechanically driven horizontal linear positioning stage. *Review of Scientific Instruments*, **2011**, 82, 033711	1.7	40

149	Scanning tunneling spectroscopy in MgB2. *Physica C: Superconductivity and Its Applications*, **2003**, 385, 233-243	1.3	40
148	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	4.2	40
147	Point-contact spectroscopy on URu2Si2. *Physical Review B*, **1997**, 55, 14318-14322	3.3	38
146	Low-temperature specific heat of different B2O3 glasses. *Physical Review B*, **1997**, 56, 32-35	3.3	37
145	STM study of the atomic contact between metallic electrodes. *Physica B: Condensed Matter*, **1996**, 218, 238-241	2.8	36
144	Chiral charge order in the superconductor 2H-TaS2. *New Journal of Physics*, **2011**, 13, 103020	2.9	34
143	Atomic Force Microscopy Studies of Photoisomerization of an Azobenzene Derivative on LangmuirBlodgett Monolayers. *Langmuir*, **1997**, 13, 870-872	4	34
142	Superconducting nanostructures fabricated with the scanning tunnelling microscope. *Journal of Physics Condensed Matter*, **2004**, 16, R1151-R1182	1.8	34
141	Chemical isomerism as a key to explore free-energy landscapes in disordered matter. *Physical Review Letters*, **2002**, 88, 115506	7.4	34
140	Tunneling spectroscopy in the magnetic superconductor TmNi2B2C. *Physical Review B*, **2001**, 64,	3.3	33
139	Proximity effect and strong-coupling superconductivity in nanostructures built with an STM. *Physical Review B*, **2002**, 65,	3.3	32
138	A nodeless superconducting gap in Sr2RuO4from tunneling spectroscopy. *New Journal of Physics*, **2009**, 11, 093004	2.9	31
137	Correlation of elastic, acoustic and thermodynamic properties in B2O3 glasses. *Journal of Non-Crystalline Solids*, **1997**, 221, 170-180	3.9	31
136	Nanosized superconducting constrictions. *Physical Review B*, **1998**, 58, 11173-11176	3.3	31
135	Local superconducting density of States of ErNi2B2C. *Physical Review Letters*, **2006**, 96, 027003	7.4	30
134	Low-temperature specific heat and thermal conductivity of glycerol. *Physical Review B*, **2001**, 65,	3.3	30
133	Plastic Deformation in Nanometer Scale Contacts*Langmuir*, **1996**, 12, 4505-4509	4	30
132	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	3.3	30

131	Anisotropy of the upper critical field near Tc and the properties of URu2Si2 and UBe13 in the normal state. *Journal of Low Temperature Physics*, **1991**, 85, 359-376	1.3	29
130	Scanning tunneling spectroscopy with superconducting tips of Al. *Physica C: Superconductivity and Its Applications*, **2008**, 468, 537-542	1.3	28
129	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	1.6	28
128	Plastic deformation in atomic size contacts. *Thin Solid Films*, **1994**, 253, 199-203	2.2	28
127	Silicon cell for the precise measurement of thermal expansion at low temperatures: Results for Cu and NaF. *Review of Scientific Instruments*, **1980**, 51, 27-31	1.7	28
126	Thermodynamic and structural properties of the two isomers of solid propanol. *Journal of Non-Crystalline Solids*, **2001**, 287, 226-230	3.9	26
125	Andreev scattering in nanoscopic junctions in a magnetic field. *Europhysics Letters*, **2000**, 50, 749-755	1.6	25
124	HighT c superconductive materials: Bulk or twinned domain/grain boundary percolative network superconductors?. *European Physical Journal B*, **1988**, 70, 9-13	1.2	25
123	Scanning tunneling measurements of layers of superconducting 2H-TaSe2: Evidence for a zero-bias anomaly in single layers. *Physical Review B*, **2013**, 87,	3.3	24
122	Direct observation of stress accumulation and relaxation in small bundles of superconducting vortices in tungsten thin films. *Physical Review Letters*, **2011**, 106, 077001	7.4	24
121	Single-channel transmission in gold one-atom contacts and chains. *Physical Review B*, **2003**, 67,	3.3	24
120	Quantum conductance in semimetallic bismuth nanocontacts. *Physical Review Letters*, **2002**, 88, 246801	7.4	24
119	The Boson peak in structural and orientational glasses of simple alcohols: specific heat at low temperatures. *Journal of Non-Crystalline Solids*, **2002**, 307-310, 80-86	3.9	22
118	Field-induced orientation of nonlevitated microcrystals of superconducting YBa2Cu3O7-x. *Physical Review Letters*, **1988**, 60, 744-747	7.4	22
117	Molecular Order within Langmuir**B**lodgett Films of Two Amphiphilic Octasubstituted Phthalocyanines Studied by Atomic Force Microscopy. *Langmuir*, **1998**, 14, 4227-4231	4	21
116	Scanning tunneling microscopy and spectroscopy at very low temperatures. *Physica C: Superconductivity and Its Applications*, **2002**, 369, 106-112	1.3	20
115	Anomalous ground state of U0.9Th0.1Be13: Temperature dependence of the resistivity and magnetoresistance. *Solid State Communications*, **1994**, 91, 775-778	1.6	20
114	Are the high Tc superconducting materials bulk superconductors or grain boundary percolating network superconductors? (abstract). *Journal of Applied Physics*, **1988**, 63, 4213-4213	2.5	20

113	Energy gap of the ground state of CeNiSn caused by local and long-range magnetic-moment interactions. *Physical Review B*, **1993**, 47, 769-772	3.3	19
112	Mechanisms of heat conductivity in high-Tc superconductors. *Physical Review B*, **1995**, 51, 15474-15477	3.3	18
111	Low temperature specific heat of single-domain and polydomain ferroelectric NaNO2. *Solid State Communications*, **1981**, 38, 807-808	1.6	18
110	Spontaneous Polarization of Ferroelectric Triglycine Sulfate between 2.2 and 20 K. *Physical Review Letters*, **1978**, 41, 1822-1824	7.4	18
109	Intrinsic granularity in nanocrystalline boron-doped diamond films measured by scanning tunneling microscopy. *Physical Review B*, **2009**, 80,	3.3	17
108	Superconducting nanobridges under magnetic fields. *Physica Status Solidi (B): Basic Research*, **2003**, 237, 386-393	1.3	17
107	Experimental verification of neutron phenomenology in lead and of transmutation by adiabatic resonance crossing in accelerator driven systems: A summary of the TARC Project at CERN. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 463, 586-592	1.2	17
106	On the transition from tunneling regime to point-contact: graphite. *Ultramicroscopy*, **1992**, 42-44, 177-183	3.1	17
105	Tunneling measurements of the energy gap in the high-Tc superconductor Tl2Ba2Ca2Cu3O10+ delta. *Physical Review B*, **1989**, 40, 11403-11405	3.3	17
104	Topological superconducting state of lead nanowires in an external magnetic field. *Physical Review Letters*, **2012**, 109, 237003	7.4	16
103	Anomalous ground state in U0.9Th0.1Be13. *Physica B: Condensed Matter*, **1995**, 206-207, 454-456	2.8	16
102	Superconductivity and magnetism on flux-grown single crystals of NiBi3. *Physical Review B*, **2013**, 88,	3.3	15
101	Zero-bias conductance peak in detached flakes of superconducting 2H-TaS2 probed by scanning tunneling spectroscopy. *Physical Review B*, **2014**, 89,	3.3	14
100	Supercurrent on a vortex core in 2H-NbSe2: Current-driven scanning tunneling spectroscopy measurements. *Physical Review B*, **2013**, 88,	3.3	14
99	Incommensurate and commensurate magnetic structures of the ternary germanide CeNiGe3. *Journal of Physics Condensed Matter*, **2003**, 15, 77-90	1.8	14
98	Change of sign in the pyroelectric coefficient of KDP at 15.3 K. *Solid State Communications*, **1979**, 31, 175-177	1.6	14
97	The quadrupolar Kondo ground state in. *Journal of Physics Condensed Matter*, **1996**, 8, 9807-9814	1.8	12
96	A Superconducting Magnet: Tb 2 Mo 3 Si 4. *Europhysics Letters*, **1994**, 25, 143-148	1.6	12

95	Low temperature thermal expansion and specific heat of a high Tc ceramic Y1Ba2Cu3O7 *Solid State Communications*, **1988**, 65, 1555-1557	1.6	12
94	Scanning tunneling spectroscopy under large current flow through the sample. *Review of Scientific Instruments*, **2011**, 82, 073710	1.7	11
93	Experimental evidence of nonactivated creep in Pb(ZrxTi1)O3 ceramics at low temperatures. *Physical Review B*, **1997**, 56, R2900-R2903	3.3	11
92	Josephson current at atomic scale: Tunneling and nanocontacts using a STM. *Physica C: Superconductivity and Its Applications*, **2006**, 437-438, 270-273	1.3	11
91	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	1.5	11
90	Josephson effect in nanoscopic structures. *Physical Review B*, **1994**, 50, 12788-12792	3.3	11
89	Temperature dependence of the polarization of the dominant Raman lines in B2O3 and (B2O3)0.84(Na2O)0.16 glasses. *Solid State Communications*, **1987**, 64, 455-457	1.6	11
88	Evolution of the local superconducting density of states in ErRh4B4 close to the ferromagnetic transition. *Physical Review Letters*, **2009**, 102, 237002	7.4	10
87	A simple device for quick separation of high-Tcsuperconducting materials. *Journal of Physics E: Scientific Instruments*, **1987**, 20, 1292-1293		10
86	Scanning tunneling microscopy in the superconductor LaSb2. *Physical Review B*, **2013**, 87,	3.3	9
85	Conductance regimes in superconducting junctions of atomic size. *Physical Review B*, **1994**, 50, 374-379	3.3	9
84	Andreev reflection under high magnetic fields in ferromagnet-superconductor nanocontacts. *Physical Review B*, **2011**, 84,	3.3	8
83	Atomic resolution and vortex lattice studies of magnetic superconductors: A first approach in the nickel borocarbide TmNi2B2C. *Physica C: Superconductivity and Its Applications*, **2010**, 470, 771-775	1.3	8
82	On the Hall effect in the two-channel Kondo ground state. *Europhysics Letters*, **1996**, 34, 605-610	1.6	8
81	Scanning Tunneling Microscopy and Spectroscopy of (LaSe)1.14(NbSe2) at Very Low Temperatures and in Magnetic Field. *European Physical Journal D*, **2004**, 54, 489-492		8
80	Superconducting lead nanobridges under magnetic fields. *Physica C: Superconductivity and Its Applications*, **2000**, 332, 327-332	1.3	8
79	Interfacial effects and superconductivity in high-Tc materials. *Physical Review B*, **1989**, 39, 334-338	3.3	8
78	Tunneling measurements of the energy gap in Tl- and Bi-based oxide superconductors. *Journal of Applied Physics*, **1990**, 67, 5026-5028	2.5	8

77	Low-temperature thermal conductivity of sodium borate glasses. *Physical Review B*, **1986**, 34, 7394-7395	3.3	8
76	Pyroelectric behavior of LiNbO3 at low temperatures. *Applied Physics Letters*, **1981**, 38, 472-473	3.4	8
75	Low temperature stm study on YBa2Cu3O7. *Physica C: Superconductivity and Its Applications*, **1988**, 153-155, 1004-1005	1.3	7
74	Stabilization process effect on the Raman spectrum of vitreous boric oxide. *Journal of Non-Crystalline Solids*, **1981**, 44, 387-389	3.9	7
73	Scanning microscopies of superconductors at very low temperatures. *Physica C: Superconductivity and Its Applications*, **2012**, 479, 19-23	1.3	6
72	Tunneling spectroscopy of the superconducting state of URu2Si2. *Physical Review B*, **2012**, 85,	3.3	6
71	Low-temperature thermal properties of molecular glasses and crystals. *Phase Transitions*, **1997**, 64, 87-102	1.3	6
70	Low-temperature thermal properties of molecular glasses. *European Physical Journal D*, **1996**, 46, 2235-2236		6
69	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	1.2	6
68	Superconducting phonon structure in the transition from tunneling to contact regime. *Physical Review B*, **1994**, 50, 7177-7179	3.3	6
67	Thermal expansion of the disordered conductors MNiSn (M=Ti,Zr,Hf). *Physical Review B*, **1994**, 50, 17881-17885	3.3	6
66	Tunneling spectroscopy at 4.2 K and 56 K on Bi 4 Ca 3 Sr 3 Cu 4 O 16+□*Physica C: Superconductivity and Its Applications*, **1989**, 162-164, 1045-1046	1.3	6
65	Piezoelectric Behaviour of Several Ceramic Materials at Low Temperatures. *Japanese Journal of Applied Physics*, **1987**, 26, 1711	1.4	6
64	Low temperature magnetic transitions of single crystal HoBi. *Solid State Communications*, **2013**, 171, 59-63	1.6	5
63	Gap opening with ordering in PrFe4P12 studied by local tunneling spectroscopy. *Physical Review B*, **2008**, 77,	3.3	5
62	Anisotropic superconductivity in borocarbide superconductors and spin disorder. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 158-159	2.8	5
61	Nonequilibrium effects in superconducting necks of nanoscopic dimensions. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2000**, 275, 299-305	2.3	5
60	Gapping of the electronic spectrum induced by magnetic instability in CeNiSn. *Physica B: Condensed Matter*, **1994**, 199-200, 433-434	2.8	5

59	A new design of the scanning tunneling microscope unit. *Surface Science*, **1987**, 181, 376-379	1.8	5
58	Primary and secondary contributions to spontaneous polarization of LiNbO3 below 50 K. *Physical Review B*, **1981**, 24, 6694-6697	3.3	5
57	Pyroelectric behavior of NaNO2 between 2 and 85 K. *Ferroelectrics*, **1981**, 33, 13-16	0.6	5
56	Magnetic and superconducting phase diagrams in ErNi2B2C. *Solid State Communications*, **2012**, 152, 1076-1079	1.6	4
55	Nanostructuring superconducting vortex matter with focused ion beams. *Physica C: Superconductivity and Its Applications*, **2014**, 503, 70-74	1.3	4
54	Topological superconductivity in metallic nanowires fabricated with a scanning tunneling microscope. *New Journal of Physics*, **2013**, 15, 055020	2.9	4
53	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	0.3	4
52	Scanning tunneling spectroscopy of the vortex state in NbSe2 using a superconducting tip. *Physica C: Superconductivity and Its Applications*, **2008**, 468, 547-551	1.3	4
51	Thermal properties of intrinsically disordered LiNbO3 crystals at low temperatures. *Physical Review B*, **1998**, 57, 13359-13362	3.3	4
50	Reversed metal replicas of freeze-dried proteins to be visualized with the scanning tunneling microscope. *Ultramicroscopy*, **1995**, 60, 41-8	3.1	4
49	Antiferromagnetism of superconducting Tb2Mo3Si4. *Physica B: Condensed Matter*, **1994**, 194-196, 171-172	2.8	4
48	High resolution direct magnetostriction measurements of nearly-zero magnetostriction amorphous ribbons. *Journal of Magnetism and Magnetic Materials*, **1992**, 110, 129-134	2.8	4
47	Low temperature thermal expansion and specific heat of YBa2Cu3O7−δ. *Physica C: Superconductivity and Its Applications*, **1988**, 153-155, 1006-1007	1.3	4
46	Low temperature thermal expansion of NaNO2 along the ferroelectric b-axis. *Solid State Communications*, **1982**, 41, 103-105	1.6	4
45	In/extrinsic granularity in superconducting boron-doped diamond. *Physica C: Superconductivity and Its Applications*, **2010**, 470, 853-856	1.3	3
44	Thermometry with a nearly temperature independent sensitivity using a normal-superconducting tunnel diode biased close to the superconducting gap. *Cryogenics*, **2010**, 50, 397-400	1.8	3
43	Intrinsic Josephson junction behaviour of the low Tc superconductor (LaSe)1.14(NbSe2). *Physica C: Superconductivity and Its Applications*, **2008**, 468, 543-546	1.3	3
42	Thermal expansion measured by STM in the magnetic superconductor. *Physica B: Condensed Matter*, **2006**, 378-380, 471-472	2.8	3

41	Scanning Tunneling Spectroscopy in Anisotropic s-Wave Superconductors. *International Journal of Modern Physics B*, **2003**, 17, 3300-3303	1.1	3
40	Observation of a spin-polarized current through single atom quantum point contacts. *Physica E: Low-Dimensional Systems and Nanostructures*, **2003**, 18, 264-265	3	3
39	Low-temperature specific heat of molecular glasses and crystals. *Physica B: Condensed Matter*, **2000**, 284-288, 1155-1156	2.8	3
38	STM study of independent mesoscopic superconducting particles. *Physica B: Condensed Matter*, **1996**, 218, 265-268	2.8	3
37	Evolution of calorimetric, magnetic and transport properties of UxTh1−xBe13 (0.64 ⩽x ⩽1) solid solutions. *Physica B: Condensed Matter*, **1996**, 223-224, 464-466	2.8	3
36	Thermal expansion and infrared optical properties of heavy-fermion CeNiSn. *Physica B: Condensed Matter*, **1991**, 171, 381-383	2.8	3
35	The low-temperature thermal expansion and specific heat of glassy B2O3and two glassy sodium borates. *Journal of Physics C: Solid State Physics*, **1987**, 20, 1-7		3
34	Low temperature thermal expansion of soda-borate glasses. *Solid State Communications*, **1983**, 48, 143-145	1.6	3
33	Demonstration experiments for solid-state physics using a table-top mechanical Stirling refrigerator. *European Journal of Physics*, **2012**, 33, 757-770	0.8	2
32	Temperature dependent tunneling spectroscopy in the heavy fermion CeRu2Si2 and in the antiferromagnet CeRh2Si2. *Journal of Physics Condensed Matter*, **2012**, 24, 475602	1.8	2
31	Phase transitions in silicon single crystals resulting from directional plastic deformation. *Physics of the Solid State*, **1998**, 40, 687-690	0.8	2
30	Experimental study of the thermal expansion of (AgI)0.67(Ag2MoO4)0.33 ionic glass from 5 K to 300 K. *Philosophical Magazine*, **2008**, 88, 3973-3978	1.6	2
29	Comparative spectroscopic study of NiS2−xSex single crystals. *Physical Review B*, **1998**, 58, 10256-10260	3.3	2
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27	Changes induced by annealing in the low temperature properties of linbo3. *Ferroelectrics*, **1996**, 185, 17-20	0.6	2
26	COMPETITION BETWEEN GAPPING OF THE ELECTRONIC SPECTRUM AND MAGNETIC ORDER IN CeNiSn. *International Journal of Modern Physics B*, **1993**, 07, 26-29	1.1	2
25	ANOMALOUS LATTICE PROPERTIES OF ZrNiSn CAUSED BY ELECTRON LOCALIZATION. *International Journal of Modern Physics B*, **1993**, 07, 383-386	1.1	2
24	Localization induced transformation of the lattice modes of MNiSn (M=Zr, Hf, Ti) compounds.. *Physica B: Condensed Matter*, **1994**, 194-196, 1089-1090	2.8	2

23	Thermal expansion and heat capacity of Bi 4 Ca 3 Sr 3 Cu 4 O 16+□at low temperatures. *Physica C: Superconductivity and Its Applications*, **1989**, 162-164, 566-567	1.3	2
22	A method for measuring isothermal compressibilities of solids. *Journal of Physics E: Scientific Instruments*, **1975**, 8, 729-730		2
21	Anharmonic contribution to the entropy of solids. Analysis of KF. *Journal of Physics C: Solid State Physics*, **1971**, 4, 1703-1709		2
20	Thermal expansion of silver iodide-silver molybdate glasses at low temperatures. *Journal of Chemical Physics*, **2009**, 130, 204508	3.9	1
19	Ground state properties of. *Physica B: Condensed Matter*, **1999**, 259-261, 419-420	2.8	1
18	Nonlinear susceptibility in U0.9Th0.1Be13: Direct test of a quadrupolar Kondo ground state. *Physica B: Condensed Matter*, **1996**, 223-224, 475-477	2.8	1
17	Hall effect in the quadrupolar Kondo ground state. *Physical Review B*, **1996**, 53, 11320-11323	3.3	1
16	TRANSFORMATION OF THE U GROUND STATE IN UXTh1□Be13 (1 > X > 0.07) COMPOUNDS. *International Journal of Modern Physics B*, **1993**, 07, 22-25	1.1	1
15	Thermal expansion of the heavy electron superconductor URu2Si2. *Journal of Alloys and Compounds*, **1992**, 181, 171-177	5.7	1
14	Low temperature measurements of spontaneous polarization in ferroelectrics. *Ferroelectrics*, **1980**, 24, 101-106	0.6	1
13	Low-frequency Grüneisen parameters of glasses: Model estimation. *Journal of Non-Crystalline Solids*, **1976**, 21, 293-296	3.9	1
12	On the low frequency Grüneisen parameter of glasses: A one-dimensional numerical analysis. *Solid State Communications*, **1976**, 20, 1069-1072	1.6	1
11	Polymorphic ethyl alcohol as a model system for the quantitative study of glassy behavior. *Physica B: Condensed Matter*, **1997**, 234-236, 433-434	2.8	
10	The evanescence of ferromagnetic order in the Ce Y Ni Pt dense Kondo system. *European Physical Journal B*, **2002**, 28, 103-109	1.2	
9	Ground-state crossover in U1-xThxBe13(0?x?0.15). *Journal of Physics Condensed Matter*, **2000**, 12, 4187-4193	1.8	
8	Ground state properties of Ce1□YxNi0.8Pt0.2 for 0?x?0.3 near ferromagnetic instability. *Physica B: Condensed Matter*, **1999**, 259-261, 40-41	2.8	
7	Low temperature specific heat of ferroelectric trisarcosine calcium chloride. *Ferroelectrics, Letters Section*, **1996**, 20, 127-130	0.5	
6	Quadrupolar kondo ground state in U0.9Th0.1Be13. *European Physical Journal D*, **1996**, 46, 2585-2586		

5	Topographical studies of bacteriophage □29 connector bidimensional crystals using scanning tunneling microscopy. *Micron*, **1996**, 27, 375-380	2.3
4	Measurement of magnetic forces on small high Tc superconductor single crystals in magnetic field gradients. *Cryogenics*, **1993**, 33, 266-269	1.8
3	Thermal expansion of the magnetic superconductor Er0.4Ho0.6Rh4B4. *Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics*, **1987**, 148, 141-144	
2	X-ray studies of field-induced orientation of small superconducting YBa2Cu3O7□ particles. *Physica C: Superconductivity and Its Applications*, **1988**, 153-155, 986-987	1.3
1	Mechanical Properties of Metallic Nanocontacts. *Nanoscience and Technology*, **2015**, 333-361	0.6