

Sebastian Vieira

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Mechanical Properties of Metallic Nanocontacts. <i>Nanoscience and Technology</i> , 2015 , 333-361	0.6	
183	Imaging superconducting vortex cores and lattices with a scanning tunneling microscope. <i>Superconductor Science and Technology</i> , 2014 , 27, 063001	3.1	56
182	Zero-bias conductance peak in detached flakes of superconducting 2H-TaS ₂ probed by scanning tunneling spectroscopy. <i>Physical Review B</i> , 2014 , 89,	3.3	14
181	Nanostructuring superconducting vortex matter with focused ion beams. <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 503, 70-74	1.3	4
180	Scanning tunneling measurements of layers of superconducting 2H-TaSe ₂ : Evidence for a zero-bias anomaly in single layers. <i>Physical Review B</i> , 2013 , 87,	3.3	24
179	Low temperature magnetic transitions of single crystal HoBi. <i>Solid State Communications</i> , 2013 , 171, 59-63	1.6	5
178	Magnetic field-induced dissipation-free state in superconducting nanostructures. <i>Nature Communications</i> , 2013 , 4, 1437	17.4	75
177	Pressure dependence of superconducting critical temperature and upper critical field of 2H-NbS ₂ . <i>Physical Review B</i> , 2013 , 87,	3.3	48
176	Scanning tunneling microscopy in the superconductor LaSb ₂ . <i>Physical Review B</i> , 2013 , 87,	3.3	9
175	Topological superconductivity in metallic nanowires fabricated with a scanning tunneling microscope. <i>New Journal of Physics</i> , 2013 , 15, 055020	2.9	4
174	Superconductivity and magnetism on flux-grown single crystals of NiBi ₃ . <i>Physical Review B</i> , 2013 , 88,	3.3	15
173	Supercurrent on a vortex core in 2H-NbSe ₂ : Current-driven scanning tunneling spectroscopy measurements. <i>Physical Review B</i> , 2013 , 88,	3.3	14
172	Magnetic and superconducting phase diagrams in ErNi ₂ B ₂ C. <i>Solid State Communications</i> , 2012 , 152, 1076-1079	4	
171	Topological superconducting state of lead nanowires in an external magnetic field. <i>Physical Review Letters</i> , 2012 , 109, 237003	7.4	16
170	Scanning microscopies of superconductors at very low temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 2012 , 479, 19-23	1.3	6
169	Demonstration experiments for solid-state physics using a table-top mechanical Stirling refrigerator. <i>European Journal of Physics</i> , 2012 , 33, 757-770	0.8	2
168	Temperature dependent tunneling spectroscopy in the heavy fermion CeRu ₂ Si ₂ and in the antiferromagnet CeRh ₂ Si ₂ . <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 475602	1.8	2

167	Tunneling spectroscopy of the superconducting state of URu ₂ Si ₂ . <i>Physical Review B</i> , 2012 , 85,	3.3	6
166	Compact very low temperature scanning tunneling microscope with mechanically driven horizontal linear positioning stage. <i>Review of Scientific Instruments</i> , 2011 , 82, 033711	1.7	40
165	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	7.4	24
164	Andreev reflection under high magnetic fields in ferromagnet-superconductor nanocontacts. <i>Physical Review B</i> , 2011 , 84,	3.3	8
163	Scanning tunneling spectroscopy under large current flow through the sample. <i>Review of Scientific Instruments</i> , 2011 , 82, 073710	1.7	11
162	Chiral charge order in the superconductor 2H-TaS ₂ . <i>New Journal of Physics</i> , 2011 , 13, 103020	2.9	34
161	Atomic resolution and vortex lattice studies of magnetic superconductors: A first approach in the nickel borocarbide TmNi ₂ B ₂ C. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, 771-775	1.3	8
160	In/extrinsic granularity in superconducting boron-doped diamond. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, 853-856	1.3	3
159	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	1.8	3
158	Intrinsic granularity in nanocrystalline boron-doped diamond films measured by scanning tunneling microscopy. <i>Physical Review B</i> , 2009 , 80,	3.3	17
157	Evolution of the local superconducting density of states in ErRh ₄ B ₄ close to the ferromagnetic transition. <i>Physical Review Letters</i> , 2009 , 102, 237002	7.4	10
156	A nodeless superconducting gap in Sr ₂ RuO ₄ from tunneling spectroscopy. <i>New Journal of Physics</i> , 2009 , 11, 093004	2.9	31
155	Direct observation of melting in a two-dimensional superconducting vortex lattice. <i>Nature Physics</i> , 2009 , 5, 651-655	16.2	92
154	Thermal expansion of silver iodide-silver molybdate glasses at low temperatures. <i>Journal of Chemical Physics</i> , 2009 , 130, 204508	3.9	1
153	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	0.3	4
152	Intrinsic atomic-scale modulations of the superconducting gap of 2H-NbSe ₂ . <i>Physical Review B</i> , 2008 , 77,	3.3	74
151	Superconducting density of states and vortex cores of 2H-NbS ₂ . <i>Physical Review Letters</i> , 2008 , 101, 166407	14.0	140
150	Experimental study of the thermal expansion of (AgI) _{0.67} (Ag ₂ MoO ₄) _{0.33} ionic glass from 5 K to 300 K. <i>Philosophical Magazine</i> , 2008 , 88, 3973-3978	1.6	2

149	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	58
148	Gap opening with ordering in PrFe ₄ P ₁₂ studied by local tunneling spectroscopy. <i>Physical Review B</i> , 2008 , 77,	3.3	5
147	Scanning tunneling spectroscopy of the vortex state in NbSe ₂ using a superconducting tip. <i>Physica C: Superconductivity and Its Applications</i> , 2008 , 468, 547-551	1.3	4
146	Intrinsic Josephson junction behaviour of the low T _c superconductor (LaSe) _{1.14} (NbSe ₂). <i>Physica C: Superconductivity and Its Applications</i> , 2008 , 468, 543-546	1.3	3
145	Scanning tunneling spectroscopy with superconducting tips of Al. <i>Physica C: Superconductivity and Its Applications</i> , 2008 , 468, 537-542	1.3	28
144	Local superconducting density of States of ErNi ₂ B ₂ C. <i>Physical Review Letters</i> , 2006 , 96, 027003	7.4	30
143	On the phase diagram of polymorphic ethanol: Thermodynamic and structural studies. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 4769-4775	3.9	42
142	Josephson current at atomic scale: Tunneling and nanocontacts using a STM. <i>Physica C: Superconductivity and Its Applications</i> , 2006 , 437-438, 270-273	1.3	11
141	Thermal expansion measured by STM in the magnetic superconductor. <i>Physica B: Condensed Matter</i> , 2006 , 378-380, 471-472	2.8	3
140	Pressure induced effects on the Fermi surface of superconducting 2H-NbSe ₂ . <i>Physical Review Letters</i> , 2005 , 95, 117006	7.4	90
139	Superconducting nanostructures fabricated with the scanning tunnelling microscope. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, R1151-R1182	1.8	34
138	Very-low-temperature tunneling spectroscopy in the heavy-fermion superconductor PrOs ₄ Sb ₁₂ . <i>Physical Review B</i> , 2004 , 69,	3.3	65
137	On the use of STM superconducting tips at very low temperatures. <i>European Physical Journal B</i> , 2004 , 40, 483-488	1.2	60
136	Scanning Tunneling Microscopy and Spectroscopy of (LaSe) _{1.14} (NbSe ₂) at Very Low Temperatures and in Magnetic Field. <i>European Physical Journal D</i> , 2004 , 54, 489-492		8
135	STM study of multiband superconductivity in NbSe ₂ using a superconducting tip. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 404, 306-310	1.3	68
134	Anisotropic superconductivity in borocarbide superconductors and spin disorder. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 158-159	2.8	5
133	Pressure dependence of the upper critical field of MgB ₂ and of YNi ₂ B ₂ C. <i>Physical Review B</i> , 2004 , 70,	3.3	43
132	Incommensurate and commensurate magnetic structures of the ternary germanide CeNiGe ₃ . <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 77-90	1.8	14

131	Scanning Tunneling Spectroscopy in Anisotropic s-Wave Superconductors. <i>International Journal of Modern Physics B</i> , 2003 , 17, 3300-3303	1.1	3
130	Scanning tunneling spectroscopy in MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 385, 233-243	1.3	40
129	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	3	3
128	Superconducting nanobridges under magnetic fields. <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 237, 386-393	1.3	17
127	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	48
126	Phonon-mediated anisotropic superconductivity in the Y and Lu nickel borocarbides. <i>Physical Review B</i> , 2003 , 67,	3.3	48
125	Single-channel transmission in gold one-atom contacts and chains. <i>Physical Review B</i> , 2003 , 67,	3.3	24
124	Scanning tunneling microscopy and spectroscopy at very low temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 369, 106-112	1.3	20
123	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	1.2	63
122	Electron transport and phonons in atomic wires. <i>Chemical Physics</i> , 2002 , 281, 231-234	2.3	59
121	The evanescence of ferromagnetic order in the Ce Y Ni Pt dense Kondo system. <i>European Physical Journal B</i> , 2002 , 28, 103-109	1.2	
120	Quantum conductance in semimetallic bismuth nanocontacts. <i>Physical Review Letters</i> , 2002 , 88, 246801	7.4	24
119	Chemical isomerism as a key to explore free-energy landscapes in disordered matter. <i>Physical Review Letters</i> , 2002 , 88, 115506	7.4	34
118	Calibration of the length of a chain of single gold atoms. <i>Physical Review B</i> , 2002 , 66,	3.3	112
117	Proximity effect and strong-coupling superconductivity in nanostructures built with an STM. <i>Physical Review B</i> , 2002 , 65,	3.3	32
116	Onset of energy dissipation in ballistic atomic wires. <i>Physical Review Letters</i> , 2002 , 88, 216803	7.4	223
115	Low-temperature specific heat of amorphous, orientational glass, and crystal phases of ethanol. <i>Physical Review B</i> , 2002 , 66,	3.3	60
114	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	3.9	22

113	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. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001 , 463, 586-592	1.2	17
112	Mechanical Properties and Formation Mechanisms of a Wire of Single Gold Atoms. <i>Physical Review Letters</i> , 2001 , 87,	7.4	347
111	Tunneling spectroscopy in small grains of superconducting MgB(2). <i>Physical Review Letters</i> , 2001 , 86, 5582-4	7.4	154
110	Low-temperature specific heat and thermal conductivity of glycerol. <i>Physical Review B</i> , 2001 , 65,	3.3	30
109	Tunneling spectroscopy in the magnetic superconductor TmNi2B2C. <i>Physical Review B</i> , 2001 , 64,	3.3	33
108	Thermodynamic and structural properties of the two isomers of solid propanol. <i>Journal of Non-Crystalline Solids</i> , 2001 , 287, 226-230	3.9	26
107	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	1.5	11
106	Low-temperature specific heat of molecular glasses and crystals. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1155-1156	2.8	3
105	Nonequilibrium effects in superconducting necks of nanoscopic dimensions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000 , 275, 299-305	2.3	5
104	Superconducting lead nanobridges under magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 332, 327-332	1.3	8
103	Andreev scattering in nanoscopic junctions in a magnetic field. <i>Europhysics Letters</i> , 2000 , 50, 749-755	1.6	25
102	Ground-state crossover in U _{1-x} Th _x Be ₁₃ (0 ≤ x ≤ 0.15). <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 4187-4193	1.93	41
101	Quantum interference in atomic-sized point contacts. <i>Physical Review B</i> , 2000 , 62, 9962-9965	3.3	51
100	Ground state properties of Ce _{1-x} Y _x Ni _{0.8} Pt _{0.2} for 0 ≤ x ≤ 0.3 near ferromagnetic instability. <i>Physica B: Condensed Matter</i> , 1999 , 259-261, 40-41	2.8	40
99	Ground state properties of. <i>Physica B: Condensed Matter</i> , 1999 , 259-261, 419-420	2.8	1
98	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	4.2	40
97	Phase transitions in silicon single crystals resulting from directional plastic deformation. <i>Physics of the Solid State</i> , 1998 , 40, 687-690	0.8	2
96	Molecular Order within Langmuir-Blodgett Films of Two Amphiphilic Octasubstituted Phthalocyanines Studied by Atomic Force Microscopy. <i>Langmuir</i> , 1998 , 14, 4227-4231	4	21

95	Low-temperature specific heat and glassy dynamics of a polymorphic molecular solid. <i>Physical Review B</i> , 1998 , 58, 745-755	3.3	88
94	Comparative spectroscopic study of NiS ₂ single crystals. <i>Physical Review B</i> , 1998 , 58, 10256-10260	3.3	2
93	Thermal properties of intrinsically disordered LiNbO ₃ crystals at low temperatures. <i>Physical Review B</i> , 1998 , 57, 13359-13362	3.3	4
92	Nanosized superconducting constrictions. <i>Physical Review B</i> , 1998 , 58, 11173-11176	3.3	31
91	Low-temperature specific heat of different B ₂ O ₃ glasses. <i>Physical Review B</i> , 1997 , 56, 32-35	3.3	37
90	Point-contact spectroscopy on URu ₂ Si ₂ . <i>Physical Review B</i> , 1997 , 55, 14318-14322	3.3	38
89	Experimental evidence of nonactivated creep in Pb(Zr _x Ti _{1-x})O ₃ ceramics at low temperatures. <i>Physical Review B</i> , 1997 , 56, R2900-R2903	3.3	11
88	Atomic Force Microscopy Studies of Photoisomerization of an Azobenzene Derivative on Langmuir-Blodgett Monolayers. <i>Langmuir</i> , 1997 , 13, 870-872	4	34
87	Fabrication and characterization of metallic nanowires. <i>Physical Review B</i> , 1997 , 56, 2154-2160	3.3	83
86	Correlation of elastic, acoustic and thermodynamic properties in B ₂ O ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 1997 , 221, 170-180	3.9	31
85	Low-temperature thermal properties of molecular glasses and crystals. <i>Phase Transitions</i> , 1997 , 64, 87-102	3.3	6
84	Quantitative Assessment of the Effects of Orientational and Positional Disorder on Glassy Dynamics. <i>Physical Review Letters</i> , 1997 , 78, 82-85	7.4	154
83	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	2.8	
82	On the Hall effect in the two-channel Kondo ground state. <i>Europhysics Letters</i> , 1996 , 34, 605-610	1.6	8
81	The quadrupolar Kondo ground state in. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 9807-9814	1.8	12
80	Plastic Deformation in Nanometer Scale Contacts. <i>Langmuir</i> , 1996 , 12, 4505-4509	4	30
79	Atomic-sized metallic contacts: Mechanical properties and electronic transport. <i>Physical Review Letters</i> , 1996 , 76, 2302-2305	7.4	500
78	Low temperature specific heat of ferroelectric trisarcosine calcium chloride. <i>Ferroelectrics, Letters Section</i> , 1996 , 20, 127-130	0.5	

77	Quadrupolar kondo ground state in $U_{0.9}Th_{0.1}Be_{13}$. <i>European Physical Journal D</i> , 1996 , 46, 2585-2586		
76	Low-temperature thermal properties of molecular glasses. <i>European Physical Journal D</i> , 1996 , 46, 2235-2236		6
75	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	1.2	6
74	STM study of the atomic contact between metallic electrodes. <i>Physica B: Condensed Matter</i> , 1996 , 218, 238-241	2.8	36
73	STM study of independent mesoscopic superconducting particles. <i>Physica B: Condensed Matter</i> , 1996 , 218, 265-268	2.8	3
72	Evolution of calorimetric, magnetic and transport properties of $U_xTh_{1-x}Be_{13}$ (0.64 $\leq x \leq 1$) solid solutions. <i>Physica B: Condensed Matter</i> , 1996 , 223-224, 464-466	2.8	3
71	Nonlinear susceptibility in $U_{0.9}Th_{0.1}Be_{13}$: Direct test of a quadrupolar Kondo ground state. <i>Physica B: Condensed Matter</i> , 1996 , 223-224, 475-477	2.8	1
70	Topographical studies of bacteriophage $\Phi 29$ connector bidimensional crystals using scanning tunneling microscopy. <i>Micron</i> , 1996 , 27, 375-380	2.3	
69	Changes induced by annealing in the low temperature properties of $LiNbO_3$. <i>Ferroelectrics</i> , 1996 , 185, 17-20	0.6	2
68	Hall effect in the quadrupolar Kondo ground state. <i>Physical Review B</i> , 1996 , 53, 11320-11323	3.3	1
67	Conductance step for a single-atom contact in the scanning tunneling microscope: Noble and transition metals. <i>Physical Review B</i> , 1996 , 53, 16086-16090	3.3	94
66	Experimental determination of the energy generated in nuclear cascades by a high energy beam. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 348, 697-709	4.2	96
65	Reversed metal replicas of freeze-dried proteins to be visualized with the scanning tunneling microscope. <i>Ultramicroscopy</i> , 1995 , 60, 41-8	3.1	4
64	Anomalous ground state in $U_{0.9}Th_{0.1}Be_{13}$. <i>Physica B: Condensed Matter</i> , 1995 , 206-207, 454-456	2.8	16
63	Plastic Deformation of Nanometer-Scale Gold Connective Necks. <i>Physical Review Letters</i> , 1995 , 74, 3995-3998	2.98	262
62	Mechanisms of heat conductivity in high- T_c superconductors. <i>Physical Review B</i> , 1995 , 51, 15474-15477	3.3	18
61	Low-temperature thermal expansion of crystalline ortho-terphenyl. <i>Molecular Physics</i> , 1995 , 85, 1037-1047	4.7	2
60	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. <i>Europhysics Letters</i> , 1995 , 32, 765-770	1.6	28

59	A Superconducting Magnet: Tb ₂ Mo ₃ Si ₄ . <i>Europhysics Letters</i> , 1994 , 25, 143-148	1.6	12
58	Josephson effect in nanoscopic structures. <i>Physical Review B</i> , 1994 , 50, 12788-12792	3.3	11
57	Conductance regimes in superconducting junctions of atomic size. <i>Physical Review B</i> , 1994 , 50, 374-379	3.3	9
56	Superconducting phonon structure in the transition from tunneling to contact regime. <i>Physical Review B</i> , 1994 , 50, 7177-7179	3.3	6
55	Antiferromagnetism of superconducting Tb ₂ Mo ₃ Si ₄ . <i>Physica B: Condensed Matter</i> , 1994 , 194-196, 171-172	2.8	4
54	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	2.8	2
53	Gapping of the electronic spectrum induced by magnetic instability in CeNiSn. <i>Physica B: Condensed Matter</i> , 1994 , 199-200, 433-434	2.8	5
52	Anomalous ground state of U _{0.9} Th _{0.1} Be ₁₃ : Temperature dependence of the resistivity and magnetoresistance. <i>Solid State Communications</i> , 1994 , 91, 775-778	1.6	20
51	Plastic deformation in atomic size contacts. <i>Thin Solid Films</i> , 1994 , 253, 199-203	2.2	28
50	Thermal expansion of the disordered conductors MNiSn (M=Ti,Zr,Hf). <i>Physical Review B</i> , 1994 , 50, 17881-17886	3.3	11
49	Conductance steps and quantization in atomic-size contacts. <i>Physical Review B</i> , 1993 , 47, 12345-12348	3.3	378
48	TRANSFORMATION OF THE U GROUND STATE IN UXTh _{1-X} Be ₁₃ (1 > X > 0.07) COMPOUNDS. <i>International Journal of Modern Physics B</i> , 1993 , 07, 22-25	1.1	1
47	COMPETITION BETWEEN GAPPING OF THE ELECTRONIC SPECTRUM AND MAGNETIC ORDER IN CeNiSn. <i>International Journal of Modern Physics B</i> , 1993 , 07, 26-29	1.1	2
46	ANOMALOUS LATTICE PROPERTIES OF ZrNiSn CAUSED BY ELECTRON LOCALIZATION. <i>International Journal of Modern Physics B</i> , 1993 , 07, 383-386	1.1	2
45	Atomic-scale connective neck formation and characterization. <i>Physical Review B</i> , 1993 , 48, 8499-8501	3.3	57
44	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	3.3	19
43	Measurement of magnetic forces on small high T _c superconductor single crystals in magnetic field gradients. <i>Cryogenics</i> , 1993 , 33, 266-269	1.8	
42	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	3.3	30

41	Thermal expansion of the heavy electron superconductor URu ₂ Si ₂ . <i>Journal of Alloys and Compounds</i> , 1992 , 181, 171-177	5.7	1
40	On the transition from tunneling regime to point-contact: graphite. <i>Ultramicroscopy</i> , 1992 , 42-44, 177-183	3.1	17
39	High resolution direct magnetostriction measurements of nearly-zero magnetostriction amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 110, 129-134	2.8	4
38	Thermal expansion and infrared optical properties of heavy-fermion CeNiSn. <i>Physica B: Condensed Matter</i> , 1991 , 171, 381-383	2.8	3
37	Anisotropy of the upper critical field near T _c and the properties of URu ₂ Si ₂ and UBe ₁₃ in the normal state. <i>Journal of Low Temperature Physics</i> , 1991 , 85, 359-376	1.3	29
36	Tunneling measurements of the energy gap in Tl- and Bi-based oxide superconductors. <i>Journal of Applied Physics</i> , 1990 , 67, 5026-5028	2.5	8
35	Interfacial effects and superconductivity in high-T _c materials. <i>Physical Review B</i> , 1989 , 39, 334-338	3.3	8
34	Tunneling measurements of the energy gap in the high-T _c superconductor Tl ₂ Ba ₂ Ca ₂ Cu ₃ O _{10+δ} . <i>Physical Review B</i> , 1989 , 40, 11403-11405	3.3	17
33	Tunneling spectroscopy at 4.2 K and 56 K on Bi ₄ Ca ₃ Sr ₃ Cu ₄ O _{16+δ} . <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 1045-1046	1.3	6
32	Thermal expansion and heat capacity of Bi ₄ Ca ₃ Sr ₃ Cu ₄ O _{16+δ} at low temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 566-567	1.3	2
31	X-ray studies of field-induced orientation of small superconducting YBa ₂ Cu ₃ O _{7-x} particles. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 986-987	1.3	
30	Low temperature stm study on YBa ₂ Cu ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 1004-1005	1.3	7
29	Low temperature thermal expansion and specific heat of YBa ₂ Cu ₃ O _{7-x} . <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 1006-1007	1.3	4
28	Low temperature thermal expansion and specific heat of a high T _c ceramic Y _{1-x} Ba _x Cu ₃ O _{7-x} . <i>Solid State Communications</i> , 1988 , 65, 1555-1557	1.6	12
27	High T _c superconductive materials: Bulk or twinned domain/grain boundary percolative network superconductors?. <i>European Physical Journal B</i> , 1988 , 70, 9-13	1.2	25
26	Are the high T _c superconducting materials bulk superconductors or grain boundary percolating network superconductors? (abstract). <i>Journal of Applied Physics</i> , 1988 , 63, 4213-4213	2.5	20
25	Field-induced orientation of nonlevitated microcrystals of superconducting YBa ₂ Cu ₃ O _{7-x} . <i>Physical Review Letters</i> , 1988 , 60, 744-747	7.4	22
24	Tunneling measurements of the energy gap in Bi ₄ Ca ₃ Sr ₃ Cu ₄ O _{16+δ} . <i>Physical Review B</i> , 1988 , 38, 9295-9298	3.3	42

23	The low-temperature thermal expansion and specific heat of glassy B ₂ O ₃ and two glassy sodium borates. <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, 1-7		3
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