

Peter Samuely

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125
papers

2,034
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132
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2,160
ext. citations

2.7
avg, IF

4.01
L-index

#	Paper	IF	Citations
125	Evidence for two superconducting energy gaps in MgB(2) by point-contact spectroscopy. <i>Physical Review Letters</i> , 2001 , 87, 137005	7.4	445
124	Anisotropy of the upper critical field and critical current in single crystal MgB2. <i>Physical Review B</i> , 2002 , 66,	3.3	161
123	Evidence for two-gap superconductivity in Ba0.55K0.45Fe2As2 from directional point-contact Andreev-reflection spectroscopy. <i>Physical Review B</i> , 2009 , 79,	3.3	91
122	Tunneling in the ab plane of the high-Tc superconductor Bi2Sr2CaCu2O8+ delta in high magnetic fields. <i>Physical Review B</i> , 1994 , 49, 9823-9830	3.3	66
121	Possible two-gap superconductivity in NdFeAsO0.9F0.1 probed by point-contact Andreev-reflection spectroscopy. <i>Superconductor Science and Technology</i> , 2009 , 22, 014003	3.1	61
120	Point contact Andreev reflection spectroscopy of superconducting energy gaps in 122-type family of iron pnictides. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 507-511	1.3	58
119	Systematic study of two-band/two-gap superconductivity in carbon-substituted MgB2 by point-contact spectroscopy. <i>Physical Review B</i> , 2004 , 70,	3.3	51
118	Two-band/two-gap superconductivity in carbon-substituted MgB2 evidenced by point-contact spectroscopy. <i>Physical Review B</i> , 2003 , 68,	3.3	50
117	Specific heat measurements of a superconducting NbS2 single crystal in an external magnetic field: Energy gap structure. <i>Physical Review B</i> , 2010 , 82,	3.3	44
116	Energy gap of intermediate-valent SmB6 studied by point-contact spectroscopy. <i>Physical Review B</i> , 2001 , 64,	3.3	42
115	Point-contact spectroscopy of Al- and C-doped MgB2: Superconducting energy gaps and scattering studies. <i>Physical Review B</i> , 2007 , 75,	3.3	39
114	Point-contact spectroscopy of MgB2. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 385, 244-254.	3.3	36
113	Low Temperature Properties and Superconductivity of LuB12. <i>Journal of Low Temperature Physics</i> , 2005 , 140, 339-353	1.3	35
112	Tunneling measurements of the electron-phonon interaction in Ba1-xKxBiO3. <i>Physical Review B</i> , 1993 , 48, 13904-13910	3.3	35
111	Coherent one-particle excitation spectrum and strong-coupling features in the tunneling conductance with the high-Tc superconductor Bi2Sr2CaCu2Ox. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 198, 47-52	1.3	34
110	Vortex-glass transition in the (K,Ba)BiO3 cubic superconductor. <i>Physical Review B</i> , 1998 , 58, 12411-12415.	3.3	33
109	Influence of Al doping on the critical fields and gap values in magnesium diboride single crystals. <i>Physical Review B</i> , 2006 , 73,	3.3	32

108	Superconducting phase diagram of single-crystal MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 385, 154-161	1.3	32
107	Single-gap superconductivity in Bi ₂ Pd. <i>Physical Review B</i> , 2016 , 93,	3.3	31
106	Critical fluctuations in the carbon-doped magnesium diboride. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 404, 195-199	1.3	31
105	Comment on "Band filling and interband scattering effects in MgB ₂ : carbon versus aluminium doping". <i>Physical Review Letters</i> , 2005 , 95, 099701; discussion 099702	7.4	27
104	Fermionic scenario for the destruction of superconductivity in ultrathin MoC films evidenced by STM measurements. <i>Physical Review B</i> , 2016 , 93,	3.3	24
103	Anomalous magnetic field dependence of the thermodynamic transition line in the isotropic superconductor (K,Ba)BiO ₃ . <i>Physical Review Letters</i> , 2002 , 88, 177201	7.4	22
102	Upper critical field in Ba _{1-x} K _x BiO ₃ : Magnetotransport vs. magnetotunneling. <i>Europhysics Letters</i> , 1998 , 41, 207-212	1.6	21
101	Half-metallic Ni ₂ MnSn Heusler alloy prepared by rapid quenching. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 386, 98-101	2.8	18
100	Finite quasiparticle lifetime in disordered superconductors. <i>Physical Review B</i> , 2015 , 92,	3.3	18
99	Interlayer transport in the highly anisotropic misfit-layer superconductor [(LaSe) _{1.14}](NbSe ₂). <i>Physical Review Letters</i> , 2001 , 86, 5990-3	7.4	18
98	Superconducting Ferromagnetic Nanodiamond. <i>ACS Nano</i> , 2017 , 11, 5358-5366	16.7	17
97	Heat capacity of single-crystal Cu _x TiSe ₂ superconductors. <i>Physical Review B</i> , 2013 , 88,	3.3	17
96	High-pressure effect on the superconductivity of YB ₆ . <i>Physical Review B</i> , 2014 , 90,	3.3	17
95	Superconducting energy gap in URu ₂ Si ₂ . <i>Physica B: Condensed Matter</i> , 1995 , 206-207, 612-614	2.8	16
94	Two-dimensional behavior of the naturally layered superconductor (LaSe) _{1.14} (NbSe ₂). <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 369, 61-67	1.3	15
93	Gap formation in Kondo insulator FeSi: Point contact spectroscopy. <i>Physica B: Condensed Matter</i> , 1996 , 218, 185-188	2.8	15
92	Point-contact spectroscopy of the electron-phonon interaction in single-crystal LaB ₆ . <i>Journal of Low Temperature Physics</i> , 1988 , 71, 49-61	1.3	15
91	Bosonic Confinement and Coherence in Disordered Nanodiamond Arrays. <i>ACS Nano</i> , 2017 , 11, 11746-11754	16.7	14

90	Far-infrared electrodynamics of thin superconducting NbN film in magnetic fields. <i>Superconductor Science and Technology</i> , 2014 , 27, 055009	3.1	13
89	Upper critical magnetic fields in single crystal MgB ₂ . <i>Superconductor Science and Technology</i> , 2003 , 16, 193-198	3.1	13
88	Scaling of the superconducting order parameter in Bi cuprates with T _c . <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 246, 163-168	1.3	13
87	Superconducting energy gap in MgCNi ₃ single crystals: Point-contact spectroscopy and specific-heat measurements. <i>Physical Review B</i> , 2011 , 83,	3.3	12
86	Magnetic pair breaking in superconducting Ba _{1-x} KxBiO ₃ investigated by magnetotunneling. <i>Physical Review B</i> , 2000 , 62, 3502-3507	3.3	12
85	Conventional superconductivity in SrPd ₂ Ge ₂ . <i>Physical Review B</i> , 2012 , 85,	3.3	11
84	Intraband scattering studies in carbon- and aluminium-doped MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2006 , 435, 71-73	1.3	11
83	Enhanced Superconductivity in Nanosized Tips of Scanning Tunnelling Microscope. <i>Acta Physica Polonica A</i> , 2010 , 118, 1038-1039	0.6	10
82	Pressure effect on the superconducting and the normal state of Bi ₂ Pd. <i>Physical Review B</i> , 2018 , 97,	3.3	9
81	Superconducting and normal state properties of carbon doped and neutron irradiated MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 456, 108-116	1.3	9
80	Magnetic properties and gap formation in FeSi. <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 157-158, 637-638	2.8	9
79	Tunneling measurements on a BiSrCuO single crystal up to the critical magnetic field. <i>European Physical Journal B</i> , 1991 , 83, 343-346	1.2	9
78	Single-gap superconductivity in MoGa. <i>Scientific Reports</i> , 2019 , 9, 13552	4.9	8
77	Point-contact spectroscopy of the phononic mechanism of superconductivity in YB ₆ . <i>Superconductor Science and Technology</i> , 2013 , 26, 045019	3.1	8
76	Andreev reflection on the AgBaPb _{1-x} Bi _x O ₃ microconstriction: Temperature and magnetic field dependence. <i>Journal of Low Temperature Physics</i> , 1997 , 106, 291-296	1.3	8
75	Superconducting energy gap of YB ₆ studied by point-contact spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 626-627	1.3	8
74	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
73	Magnetotransport and the upper critical magnetic field in MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 369, 250-253	1.3	7

72	POINT-CONTACT PROPERTIES OF YBa ₂ Cu ₃ O ₇ AND SmBa ₂ Cu ₃ O ₇ <i>Modern Physics Letters B</i> , 1988 , 02, 1269-1277	1.6	7
71	Aluminum and carbon substitution in MgB ₂ . Electron doping and scattering effects. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 84-88	1.3	6
70	Superconducting energy gap in Ba _{1-x} K _x BiO ₃ : Temperature dependence. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1873-1874	1.3	6
69	Point contact spectroscopy of U ₂ Zn ₁₇ . <i>Solid State Communications</i> , 1987 , 61, 79-82	1.6	6
68	Type II superconductivity in SrPd ₂ Ge ₂ . <i>Superconductor Science and Technology</i> , 2013 , 26, 015010	3.1	5
67	Novel graphene/Sn and graphene/SnO _x hybrid nanostructures: Induced superconductivity and band gaps revealed by scanning probe measurements. <i>Carbon</i> , 2017 , 124, 611-617	10.4	5
66	Studies on two-gap superconductivity in 2H-NbS ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S719-S720	1.3	5
65	Andreev reflection spectroscopy of MgB ₂ in the vortex state. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 404, 460-465	1.3	5
64	Two-Gap Superconductivity in 2H-NbS ₂ . <i>Acta Physica Polonica A</i> , 2010 , 118, 1024-1025	0.6	5
63	Anomalous Anisotropy in Superconducting Nanodiamond Films Induced by Crystallite Geometry. <i>Physical Review Applied</i> , 2019 , 12,	4.3	5
62	Observation of a transverse Meissner effect in Cu _x TiSe ₂ single crystals. <i>Physical Review B</i> , 2016 , 93,	3.3	4
61	Andreev-reflection study in MgB ₂ . <i>Superconductor Science and Technology</i> , 2003 , 16, 162-166	3.1	4
60	Energy gaps in carbon-substituted MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 408-410, 610-611	1.3	4
59	Point-contact spectroscopy of MgB ₂ in high magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 388-389, 145-146	1.3	4
58	Energy gaps in doped MgB ₂ . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005 , 2, 1743-1748		4
57	Vortex-glass transition and fishtail effect in the cubic (K,Ba)BiO ₃ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1999 , 317-318, 436-440	1.3	4
56	Superconducting energy gap in Bi-cuprates. <i>Physica B: Condensed Matter</i> , 1996 , 218, 217-219	2.8	4
55	From superconducting to normal density of states of Ba _{1-x} K _x BiO ₃ by tunneling in high magnetic fields. <i>Physica B: Condensed Matter</i> , 1994 , 194-196, 1747-1748	2.8	4

54	Study of energy gap features in BSCCO superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1125-1126	1.3	4
53	Influence of high magnetic fields on the classical and quantum-mechanical transport in point contacts. <i>Physical Review Letters</i> , 1991 , 66, 786-789	7.4	4
52	Point-contact spectroscopy of the electron-phonon interaction in LaNi ₅ . <i>European Physical Journal B</i> , 1990 , 79, 191-194	1.2	4
51	Superconductor-insulator transition driven by pressure-tuned intergrain coupling in nanodiamond films. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
50	Suppression of the superconductivity in ultrathin amorphous Mo ₇₈ Ge ₂₂ films observed by STM. <i>Low Temperature Physics</i> , 2017 , 43, 919-923	0.7	3
49	On the origin of in-gap states in homogeneously disordered ultrathin films. MoC case. <i>Applied Surface Science</i> , 2018 , 461, 143-148	6.7	3
48	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
47	Dynamics of boron nanoclusters in RB ₁₂ (R = Yb, Lu) systems. <i>Crystallography Reports</i> , 2006 , 51, S139-S143	1.3	3
46	Point-contact spectroscopy of LuB ₁₂ . <i>European Physical Journal D</i> , 2002 , 52, A221-A224		3
45	Upper critical field in highly anisotropic superconductor (LaSe) _{1.14} (NbSe ₂). <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 961-962	2.8	3
44	Point contact properties of YBaCuO and SmBaCuO. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 1387-1388	1.3	3
43	Local Magnetometry of Superconducting Mo ₈ Ga ₄₁ and Mo ₇ VGa ₄₁ : Vortex Pinning Study. <i>Acta Physica Polonica A</i> , 2020 , 137, 794-796	0.6	3
42	Point Contact Measurements on U ₂ Zn ₁₇ . <i>Japanese Journal of Applied Physics</i> , 1987 , 26, 567	1.4	3
41	Zeeman-driven superconductor-insulator transition in strongly disordered MoC films: Scanning tunneling microscopy and transport studies in a transverse magnetic field. <i>Physical Review B</i> , 2020 , 102,	3.3	2
40	Yu-Shiba-Rusinov bands in ferromagnetic superconducting diamond. <i>Science Advances</i> , 2020 , 6, eaaz2536	4.3	2
39	Magnetic and thermodynamic properties of Cu _x TiSe ₂ single crystals. <i>Physical Review B</i> , 2017 , 95,	3.3	2
38	Local Magnetometry of Cu _{0.064} TiSe _{2} . <i>Acta Physica Polonica A</i> , 2014 , 126, 370-371	0.6	2
37	Magnetic Pair Breaking in Superconducting SrPd ₂ Ge ₂ Investigated by Scanning Tunneling Spectroscopy. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 1199-1203	1.5	2

36	Strong coupling features in the point-contact spectra of the YB ₆ superconductor. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052253	0.3	2
35	Specific heat of superconducting MgCNi ₃ single crystals. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052087	0.3	2
34	Superconducting energy gap in MgCNi ₃ single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 3011-3013	3.9	2
33	Ullah-Dorsey Scaling of Fluctuation Conductivity Near the Superconducting Transition in (LaSe) _{1.14} (NbSe ₂) ₂ . <i>European Physical Journal D</i> , 2002 , 52, 299-302		2
32	Andreev reflection measurements on the 2D superconductor (LaSe) _{1.14} (NbSe ₂) ₂ . <i>Physica B: Condensed Matter</i> , 1999 , 259-261, 985-986	2.8	2
31	Point-contact spectroscopy in arsenic: Classical and quantum-mechanical trajectory effects. <i>Physica B: Condensed Matter</i> , 1990 , 165-166, 917-918	2.8	2
30	Strong-Coupling Features in YB ₆ and ZrB ₁₂ Studied by Point-Contact Spectroscopy. <i>Acta Physica Polonica A</i> , 2010 , 118, 1042-1044	0.6	2
29	Phase Diagram of TmB ₄ Probed by AC Calorimetry. <i>Acta Physica Polonica A</i> , 2010 , 118, 903-904	0.6	2
28	Influence of Pressure on Superconductivity in YB ₆ . <i>Acta Physica Polonica A</i> , 2014 , 126, 340-341	0.6	1
27	Superconducting density of states and vortex studies on SrPd ₂ Ge ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2012 , 479, 95-97	1.3	1
26	Two gap superconductivity in Ba _{0.55} K _{0.45} Fe ₂ As ₂ single crystals studied by the directional point-contact Andreev reflection spectroscopy. <i>Physica B: Condensed Matter</i> , 2009 , 404, 3220-3222	2.8	1
25	Upper critical field in the Ba _{1-x} K _x BiO ₃ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2049-2050	1.3	1
24	Two-band Effects in the Critical Fields of MgB ₂ . <i>European Physical Journal D</i> , 2004 , 54, 449-452		1
23	Determination of the upper critical magnetic fields from fluctuation conductivity. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 415, 15-20	1.3	1
22	Ground state properties of SmB ₆ . <i>Physica B: Condensed Matter</i> , 2002 , 312-313, 379-380	2.8	1
21	VORTEX GLASS TRANSITION VERSUS IRREVERSIBILITY LINE IN SUPERCONDUCTING BKBO. <i>International Journal of Modern Physics B</i> , 2002 , 16, 3221-3221	1.1	1
20	Upper critical magnetic field in the superconducting bismuthates studied by the point-contact spectroscopy. <i>European Physical Journal D</i> , 1996 , 46, 847-848		1
19	Break-junction tunneling experiments for Bi ₂ Sr ₂ CaCu ₂ O _x in a strong magnetic field. <i>Physica B: Condensed Matter</i> , 1994 , 194-196, 1767-1768	2.8	1

18	AC Microcalorimetry of Superconducting MgCNi ₃ Single Crystals. <i>Acta Physica Polonica A</i> , 2008 , 113, 363-366	0.6	1
17	Periodic Surface Modulation of (LaSe) _{1.14} (NbSe ₂) Observed by Scanning Tunneling Microscopy. <i>Acta Physica Polonica A</i> , 2020 , 137, 785-787	0.6	1
16	Point-Contact Spectroscopy of Multigap Superconductors. <i>Nanoscience and Technology</i> , 2010 , 187-210	0.6	1
15	Observation of quantum corrections to conductivity up to optical frequencies. <i>Physical Review B</i> , 2019 , 100,	3.3	1
14	One or two gaps in Mo ₈ Ga ₄₁ superconductor? Local Hall-probe magnetometry study. <i>Superconductor Science and Technology</i> , 2021 , 34, 035017	3.1	1
13	Unconventional superconductivity in the strong-coupling limit for the heavy fermion system CeCoIn ₅ . <i>Physica B: Condensed Matter</i> , 2018 , 536, 798-802	2.8	1
12	Specific Heat Study of Superconductivity in Cu _{0.061} TiSe ₂ . <i>Acta Physica Polonica A</i> , 2014 , 126, 322-323	0.6	0
11	Superconductivity Near Transition to Insulating State in MoC Ultrathin Films Studied by Subkelvin STM. <i>Acta Physica Polonica A</i> , 2014 , 126, 368-369	0.6	
10	Vortices at nanoscale: Still some room at the bottom. <i>Annalen Der Physik</i> , 2013 , 525, A185-A187	2.6	
9	Influence of Al doping on the gap values in MgB ₂ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 562-563	1.3	
8	Point-contact Spectroscopy on Nb/CuMn Bilayers. <i>European Physical Journal D</i> , 2004 , 54, 465-468		
7	TRANSPORT IN MgB ₂ IN HIGH MAGNETIC FIELDS. <i>International Journal of Modern Physics B</i> , 2002 , 16, 3222-3222	1.1	
6	Upper critical field of Ba _{1-x} K _x BiO ₃ measured by magnetotunneling spectroscopy. <i>Journal of Low Temperature Physics</i> , 1996 , 105, 1237-1242	1.3	
5	Point-Contact Spectroscopy of Superconducting MgCNi ₃ Single Crystals. <i>Acta Physica Polonica A</i> , 2008 , 113, 215-218	0.6	
4	Superconducting Density of States in B-Doped Diamond. <i>Acta Physica Polonica A</i> , 2017 , 131, 1033-1035	0.6	
3	Point Contact Spectroscopy Measurements of Ba(Fe _{0.96} Co _{0.04}) ₂ As ₂ Single Crystals. <i>Acta Physica Polonica A</i> , 2010 , 118, 1045-1046	0.6	
2	Sub-kelvin Andreev reflection spectroscopy of superconducting gaps in FeSe. <i>Low Temperature Physics</i> , 2019 , 45, 1222-1226	0.7	
1	Suppressed Superconductivity in Ultrathin Mo ₂ N Films due to Pair-Breaking at the Interface. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019 , 31, 1033-1035	1.5	

