

Peter Samuely

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	One or two gaps in Mo ₈ Ga ₄₁ superconductor? Local Hall-probe magnetometry study. Superconductor Science and Technology, 2021, 34, 035017.	3.5	4
2	Extreme in-plane upper critical magnetic fields of heavily doped quasi-two-dimensional transition metal dichalcogenides. Physical Review B, 2021, 104, .	3.2	11
3	Yu-Shiba-Rusinov bands in ferromagnetic superconducting diamond. Science Advances, 2020, 6, eaaz2536.	10.3	9
4	Periodic Surface Modulation of (LaSe) _{1.14} (NbSe ₂) Observed by Scanning Tunneling Microscopy. Acta Physica Polonica A, 2020, 137, 785-787.	0.5	2
5	Local Magnetometry of Superconducting Mo ₈ Ga ₄₁ and Mo ₇ VGa ₄₁ : Vortex Pinning Study. Acta Physica Polonica A, 2020, 137, 794-796.	0.5	5
6	Single-gap superconductivity in Mo ₈ Ga ₄₁ . Scientific Reports, 2019, 9, 13552.	3.3	10
7	Anomalous Anisotropy in Superconducting Nanodiamond Films Induced by Crystallite Geometry. Physical Review Applied, 2019, 12, .	3.8	5
8	Observation of quantum corrections to conductivity up to optical frequencies. Physical Review B, 2019, 100, .	3.2	5
9	Sub-kelvin Andreev reflection spectroscopy of superconducting gaps in FeSe. Low Temperature Physics, 2019, 45, 1222-1226.	0.6	1
10	Superconductor-insulator transition driven by pressure-tuned intergrain coupling in nanodiamond films. Physical Review Materials, 2019, 3, .	2.4	5
11	Pressure effect on the superconducting and the normal state of $B\hat{\Gamma}^2$ \hat{A}^{\sim} B i Pd . Physical Review B, 2018, 97, .	3.2	13
12	Unconventional superconductivity in the strong-coupling limit for the heavy fermion system CeCoIn ₅ . Physica B: Condensed Matter, 2018, 536, 798-802.	2.7	2
13	On the origin of in-gap states in homogeneously disordered ultrathin films. MoC case. Applied Surface Science, 2018, 461, 143-148.	6.1	6
14	Superconducting Ferromagnetic Nanodiamond. ACS Nano, 2017, 11, 5358-5366.	14.6	25
15	Suppression of the superconductivity in ultrathin amorphous Mo ₇₈ Ge ₂₂ films observed by STM. Low Temperature Physics, 2017, 43, 919-923.	0.6	4
16	Novel graphene/Sn and graphene/SnOx hybrid nanostructures: Induced superconductivity and band gaps revealed by scanning probe measurements. Carbon, 2017, 124, 611-617.	10.3	7
17	Bosonic Confinement and Coherence in Disordered Nanodiamond Arrays. ACS Nano, 2017, 11, 11746-11754.	14.6	16
18	Magnetic and thermodynamic properties of $Cu_{x/2}M_{1-x/2}$ single crystals. Physical Review B, 2017, 95, .		

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19	Superconducting Density of States in B-Doped Diamond. Acta Physica Polonica A, 2017, 131, 1033-1035.	0.5	0
20	Fermionic scenario for the destruction of superconductivity in ultrathin MoC films evidenced by STM measurements. Physical Review B, 2016, 93, .	3.2	34
21	Observation of a transverse Meissner effect in Cu_xTiSe_2 single crystals. Physical Review B, 2016, 93, .	3.2	4
22	Single-gap superconductivity in $\text{B}_i\text{Pd}_2\text{Ge}_2$. Physical Review B, 2016, 93, .	3.2	40
23	Finite quasiparticle lifetime in disordered superconductors. Physical Review B, 2015, 92, .	3.2	21
24	Half-metallic Ni_2MnSn Heusler alloy prepared by rapid quenching. Journal of Magnetism and Magnetic Materials, 2015, 386, 98-101.	2.3	23
25	Far-infrared electrodynamics of thin superconducting NbN film in magnetic fields. Superconductor Science and Technology, 2014, 27, 055009.	3.5	14
26	Influence of Pressure on Superconductivity in YB_6 . Acta Physica Polonica A, 2014, 126, 340-341.	0.5	1
27	Specific Heat Study of Superconductivity in $\text{Cu}_{0.061}\text{TiSe}_2$. Acta Physica Polonica A, 2014, 126, 322-323.	0.5	1
28	Local Magnetometry of $\text{Cu}_{0.064}\text{TiSe}_2$. Acta Physica Polonica A, 2014, 126, 370-371.	0.5	2
29	Superconductivity Near Transition to Insulating State in MoC Ultrathin Films Studied by Subkelvin STM. Acta Physica Polonica A, 2014, 126, 368-369.	0.5	0
30	High-pressure effect on the superconductivity of YB_6 . Physical Review B, 2014, 90, .	3.2	23
31	Heat capacity of single-crystal Cu_xTiSe_2 superconductors. Physical Review B, 2013, 88, .	3.2	20
32	Type II superconductivity in SrPd_2Ge_2 . Superconductor Science and Technology, 2013, 26, 015010.	3.5	5
33	Point-contact spectroscopy of the phononic mechanism of superconductivity in YB_6 . Superconductor Science and Technology, 2013, 26, 045019.	3.5	11
34	Magnetic Pair Breaking in Superconducting SrPd_2Ge_2 Investigated by Scanning Tunnelling Spectroscopy. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1199-1203.	1.8	3
35	Vortices at nanoscale: Still some room at the bottom. Annalen Der Physik, 2013, 525, A185.	2.4	0
36	Conventional superconductivity in SrPd_2Ge_2 . Physical Review B, 2012, 85, .	3.2	12

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37	Superconducting density of states and vortex studies on SrPd ₂ Ge ₂ . Physica C: Superconductivity and Its Applications, 2012, 479, 95-97.	1.2	1
38	Superconducting energy gap in MgCNi ₃ single crystals: Point-contact spectroscopy and specific-heat measurements. Physical Review B, 2011, 83, .	3.2	13
39	Studies on two-gap superconductivity in 2H-NbS ₂ . Physica C: Superconductivity and Its Applications, 2010, 470, S719-S720.	1.2	5
40	Specific heat measurements of a superconducting NbS ₂ crystal in an external magnetic field: Energy gap structure. Physical Review B, 2010, 82, .	3.2	52
41	Point-Contact Spectroscopy of Multigap Superconductors. Nanoscience and Technology, 2010, , 187-210.	1.5	1
42	Two-Gap Superconductivity in 2H-NbS ₂ . Acta Physica Polonica A, 2010, 118, 1024-1025.	0.5	5
43	Enhanced Superconductivity in Nanosized Tips of Scanning Tunnelling Microscope. Acta Physica Polonica A, 2010, 118, 1038-1039.	0.5	10
44	Strong-Coupling Features in YB ₆ and ZrB ₁₂ Studied by Point-Contact Spectroscopy. Acta Physica Polonica A, 2010, 118, 1042-1044.	0.5	3
45	Phase Diagram of TmB ₄ Probed by AC Calorimetry. Acta Physica Polonica A, 2010, 118, 903-904.	0.5	2
46	Point Contact Spectroscopy Measurements of Ba(Fe _{0.96} Co _{0.04}) ₂ As ₂ Single Crystals. Acta Physica Polonica A, 2010, 118, 1045-1046.	0.5	0
47	Evidence for two-gap superconductivity in Ba _{0.55} K _{0.45} Fe ₂ As ₂ from directional point-contact Andreev-reflection spectroscopy. Physical Review B, 2009, 79, .	3.2	93
48	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. Physica B: Condensed Matter, 2009, 404, 3220-3222.	2.7	1
49	Point contact Andreev reflection spectroscopy of superconducting energy gaps in 122-type family of iron pnictides. Physica C: Superconductivity and Its Applications, 2009, 469, 507-511.	1.2	60
50	Possible two-gap superconductivity in NdFeAsO _{0.9} F _{0.1} probed by point-contact Andreev-reflection spectroscopy. Superconductor Science and Technology, 2009, 22, 014003.	3.5	63
51	Strong coupling features in the point-contact spectra of the YB ₆ superconductor. Journal of Physics: Conference Series, 2009, 150, 052253.	0.4	2
52	Specific heat of superconducting MgCNi ₃ single crystals. Journal of Physics: Conference Series, 2009, 150, 052087.	0.4	3
53	Superconducting energy gap in MgCNi ₃ single crystals. Journal of Physics and Chemistry of Solids, 2008, 69, 3011-3013.	4.0	2
54	Intrinsic Josephson junction behaviour of the low T _c superconductor (LaSe) _{1.14} (NbSe ₂). Physica C: Superconductivity and Its Applications, 2008, 468, 543-546.	1.2	3

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55	AC Microcalorimetry of Superconducting MgCNi ₃ Single Crystals. Acta Physica Polonica A, 2008, 113, 363-366.	0.5	2
56	Point-Contact Spectroscopy of Superconducting MgCNi ₃ Single Crystals. Acta Physica Polonica A, 2008, 113, 215-218.	0.5	0
57	Point-contact spectroscopy of Al- and C-doped MgB ₂ : Superconducting energy gaps and scattering studies. Physical Review B, 2007, 75, .	3.2	42
58	Superconducting and normal state properties of carbon doped and neutron irradiated MgB ₂ . Physica C: Superconductivity and Its Applications, 2007, 456, 108-116.	1.2	10
59	Aluminum and carbon substitution in MgB ₂ . Electron doping and scattering effects. Physica C: Superconductivity and Its Applications, 2007, 460-462, 84-88.	1.2	7
60	Superconducting energy gap of YB ₆ studied by point-contact spectroscopy. Physica C: Superconductivity and Its Applications, 2007, 460-462, 626-627.	1.2	12
61	Influence of Al doping on the gap values in MgB ₂ single crystals. Physica C: Superconductivity and Its Applications, 2007, 460-462, 562-563.	1.2	0
62	Development of Two Superconducting Energy Gaps in the Aluminum Doped MgB ₂ . AIP Conference Proceedings, 2006, , .	0.4	0
63	Ë-band Goes Dirty by Carbon Doping in MgB ₂ ?. AIP Conference Proceedings, 2006, , .	0.4	0
64	Intraband scattering studies in carbon- and aluminium-doped MgB ₂ . Physica C: Superconductivity and Its Applications, 2006, 435, 71-73.	1.2	11
65	Dynamics of boron nanoclusters in RB ₁₂ (R = Yb, Lu) systems. Crystallography Reports, 2006, 51, S139-S143.	0.6	3
66	Influence of Al doping on the critical fields and gap values in magnesium diboride single crystals. Physical Review B, 2006, 73, .	3.2	35
67	Low Temperature Properties and Superconductivity of LuB ₁₂ . Journal of Low Temperature Physics, 2005, 140, 339-353.	1.4	37
68	Energy gaps in doped MgB ₂ . Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 1743-1748.	0.8	5
69	Comment on "Band Filling and Interband Scattering Effects in MgB ₂ : Carbon versus Aluminium Doping". Physical Review Letters, 2005, 95, 099701; discussion 099702.	7.8	28
70	Systematic study of two-band/two-gap superconductivity in carbon-substituted MgB ₂ by point-contact spectroscopy. Physical Review B, 2004, 70, .	3.2	54
71	Two-band Effects in the Critical Fields of MgB ₂ . European Physical Journal D, 2004, 54, 449-452.	0.4	1
72	Point-contact Spectroscopy on Nb/CuMn Bilayers. European Physical Journal D, 2004, 54, 465-468.	0.4	0

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73	Scanning Tunneling Microscopy and Spectroscopy of $(\text{LaSe})_{1.14}(\text{NbSe}_2)$ at Very Low Temperatures and in Magnetic Field. <i>European Physical Journal D</i> , 2004, 54, 489-492.	0.4	8
74	Andreev reflection spectroscopy of MgB_2 in the vortex state. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 404, 460-465.	1.2	5
75	Determination of the upper critical magnetic fields from fluctuation conductivity. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 415, 15-20.	1.2	1
76	Energy gaps in carbon-substituted MgB_2 . <i>Physica C: Superconductivity and Its Applications</i> , 2004, 408-410, 610-611.	1.2	4
77	Critical fluctuations in the carbon-doped magnesium diboride. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 404, 195-199.	1.2	31
78	Andreev reflection spectroscopy in MgB_2 . <i>Physica B: Condensed Matter</i> , 2003, 328, 10-14.	2.7	1
79	Superconducting phase diagram of single-crystal MgB_2 . <i>Physica C: Superconductivity and Its Applications</i> , 2003, 385, 154-161.	1.2	34
80	Point-contact spectroscopy of MgB_2 . <i>Physica C: Superconductivity and Its Applications</i> , 2003, 385, 244-254.	1.2	38
81	Point-contact spectroscopy of MgB_2 in high magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 145-146.	1.2	4
82	Two-band/two-gap superconductivity in carbon-substituted MgB_2 evidenced by point-contact spectroscopy. <i>Physical Review B</i> , 2003, 68, .	3.2	53
83	Upper critical magnetic fields in single crystal MgB_2 . <i>Superconductor Science and Technology</i> , 2003, 16, 193-198.	3.5	14
84	Andreev-reflection study in MgB_2 . <i>Superconductor Science and Technology</i> , 2003, 16, 162-166.	3.5	4
85	Anomalous Magnetic Field Dependence of the Thermodynamic Transition Line in the Isotropic Superconductor $(\text{K,Ba})\text{BiO}_3$. <i>Physical Review Letters</i> , 2002, 88, 177201.	7.8	24
86	TRANSPORT IN MgB_2 IN HIGH MAGNETIC FIELDS. <i>International Journal of Modern Physics B</i> , 2002, 16, 3222-3222.	2.0	0
87	VORTEX GLASS TRANSITION VERSUS IRREVERSIBILITY LINE IN SUPERCONDUCTING BKBO . <i>International Journal of Modern Physics B</i> , 2002, 16, 3221-3221.	2.0	1
88	Anisotropy of the upper critical field and critical current in single crystal MgB_2 . <i>Physical Review B</i> , 2002, 66, .	3.2	176
89	Point-contact spectroscopy of LuB_{12} . <i>European Physical Journal D</i> , 2002, 52, A221-A224.	0.4	3
90	Ground state properties of SmB_6 . <i>Physica B: Condensed Matter</i> , 2002, 312-313, 379-380.	2.7	2

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91	Two-dimensional behavior of the naturally layered superconductor (LaSe) _{1.14} (NbSe ₂). Physica C: Superconductivity and Its Applications, 2002, 369, 61-67.	1.2	17
92	Magnetotransport and the upper critical magnetic field in MgB ₂ . Physica C: Superconductivity and Its Applications, 2002, 369, 250-253.	1.2	10
93	Title is missing!. European Physical Journal D, 2002, 52, 299-302.	0.4	2
94	Interlayer Transport in the Highly Anisotropic Misfit-Layer Superconductor (LaSe) _{1.14} (NbSe ₂). Physical Review Letters, 2001, 86, 5990-5993.	7.8	22
95	Energy gap of intermediate-valentSmB ₆ studied by point-contact spectroscopy. Physical Review B, 2001, 64, .	3.2	44
96	Evidence for Two Superconducting Energy Gaps inMgB ₂ by Point-Contact Spectroscopy. Physical Review Letters, 2001, 87, 137005.	7.8	492
97	Upper critical field in highly anisotropic superconductor (LaSe) _{1.14} (NbSe ₂). Physica B: Condensed Matter, 2000, 284-288, 961-962.	2.7	5
98	Magnetotunneling and magnetic pair-breaking in superconducting Ba _{1-x} K _x BiO ₃ . Physica B: Condensed Matter, 2000, 284-288, 977-978.	2.7	1
99	Magnetic pair breaking in superconductingBa _{1-x} K _x BiO ₃ investigated by magnetotunneling. Physical Review B, 2000, 62, 3502-3507.	3.2	15
100	Andreev reflection measurements on the 2D superconductor (LaSe) _{1.14} (NbSe ₂) ₂ . Physica B: Condensed Matter, 1999, 259-261, 985-986.	2.7	3
101	Vortex-glass transition and fishtail effect in the cubic (K,Ba)BiO ₃ superconductor. Physica C: Superconductivity and Its Applications, 1999, 317-318, 436-440.	1.2	4
102	Vortex-glass transition in the(K,Ba)BiO ₃ cubic superconductor. Physical Review B, 1998, 58, 12411-12415.	3.2	37
103	Upper critical field in Ba _{1-x} K _x BiO ₃ : Magnetotransport vs. magnetotunneling. Europhysics Letters, 1998, 41, 207-212.	2.0	23
104	Upper critical field in the Ba _{1-x} K _x BiO ₃ superconductor. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2049-2050.	1.2	1
105	Andreev reflection on the Ag _x Ba _{1-x} Pb _{1-x} Bi _x O ₃ microconstriction: Temperature and magnetic field dependence. Journal of Low Temperature Physics, 1997, 106, 291-296.	1.4	11
106	Upper critical magnetic field in the superconducting bismuthates studied by the point-contact spectroscopy. European Physical Journal D, 1996, 46, 847-848.	0.4	1
107	Magnetic properties and gap formation in FeSi. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 637-638.	2.3	9
108	Gap formation in Kondo insulator FeSi: Point contact spectroscopy. Physica B: Condensed Matter, 1996, 218, 185-188.	2.7	17

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109	Superconducting energy gap in Bi-cuprates. <i>Physica B: Condensed Matter</i> , 1996, 218, 217-219.	2.7	4
110	Upper critical field of $Ba_{1-x}K_xBiO_3$ measured by magnetotunneling spectroscopy. <i>Journal of Low Temperature Physics</i> , 1996, 105, 1237-1242.	1.4	0
111	Superconducting energy gap in URu_2Si_2 . <i>Physica B: Condensed Matter</i> , 1995, 206-207, 612-614.	2.7	16
112	Scaling of the superconducting order parameter in Bi cuprates with T_c . <i>Physica C: Superconductivity and Its Applications</i> , 1995, 246, 163-168.	1.2	13
113	Tunneling in the ab-plane of the high- T_c superconductor $Bi_2Sr_2CaCu_2O_{8+\delta}$ in high magnetic fields. <i>Physical Review B</i> , 1994, 49, 9823-9830.	3.2	72
114	From superconducting to normal density of states of $Ba_{1-x}K_xBiO_3$ by tunneling in high magnetic fields. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 1747-1748.	2.7	4
115	Break-junction tunneling experiments for $Bi_2Sr_2CaCu_2O_x$ in a strong magnetic field. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 1767-1768.	2.7	1
116	Study of energy gap features in BSCCO superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 1125-1126.	1.2	4
117	Superconducting energy gap in $Ba_{1-x}K_xBiO_3$: Temperature dependence. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 1873-1874.	1.2	6
118	Tunneling measurements of the electron-phonon interaction in $Ba_{1-x}K_xBiO_3$. <i>Physical Review B</i> , 1993, 48, 13904-13910.	3.2	37
119	Coherent one-particle excitation spectrum and strong-coupling features in the tunneling conductance with the high- T_c superconductor $Bi_2Sr_2CaCu_2O_x$. <i>Physica C: Superconductivity and Its Applications</i> , 1992, 198, 47-52.	1.2	35
120	Tunneling measurements on a $BiSrCuO$ single crystal up to the critical magnetic field. <i>European Physical Journal B</i> , 1991, 83, 343-346.	1.5	9
121	Influence of high magnetic fields on the classical and quantum-mechanical transport in point contacts. <i>Physical Review Letters</i> , 1991, 66, 786-789.	7.8	5
122	Point-contact spectroscopy of the electron-phonon interaction in $LaNi_5$. <i>European Physical Journal B</i> , 1990, 79, 191-194.	1.5	4
123	Point-contact spectroscopy in arsenic: Classical and quantum-mechanical trajectory effects. <i>Physica B: Condensed Matter</i> , 1990, 165-166, 917-918.	2.7	2
124	Point-contact spectroscopy of the electron-phonon interaction in single-crystal LaB_6 . <i>Journal of Low Temperature Physics</i> , 1988, 71, 49-61.	1.4	19
125	Point contact properties of $YBaCuO$ and $SmBaCuO$. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 153-155, 1387-1388.	1.2	3
126	POINT-CONTACT PROPERTIES OF $YBa_2Cu_3O_{7-\delta}$ AND $SmBa_2Cu_3O_{7-\delta}$. <i>Modern Physics Letters B</i> , 1988, 02, 1269-1277.	1.9	8

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127	POINT-CONTACT SPECTROSCOPY OF Tm. Journal De Physique Colloque, 1988, 49, C8-359-C8-360.	0.2	0
128	Experimental Study of the Electron-Phonon Interaction in LaB6. Japanese Journal of Applied Physics, 1987, 26, 647.	1.5	1
129	Point contact spectroscopy of U2Zn17. Solid State Communications, 1987, 61, 79-82.	1.9	8
130	Point Contact Measurements on U2Zn17. Japanese Journal of Applied Physics, 1987, 26, 567.	1.5	3
131	Suppressed Superconductivity in Ultrathin Mo2N Films due to Pair-Breaking at the Interface. Journal of Superconductivity and Novel Magnetism, 0, , 1.	1.8	1