

Peter Samuely

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.

125
papers

2,034
citations

22
h-index

42
g-index

132
ext. papers

2,160
ext. citations

2.7
avg, IF

4.01
L-index

#	Paper	IF	Citations
125	One or two gaps in Mo ₈ Ga ₄ superconductor? Local Hall-probe magnetometry study. <i>Superconductor Science and Technology</i> , 2021 , 34, 035017	3.1	1
124	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
123	Yu-Shiba-Rusinov bands in ferromagnetic superconducting diamond. <i>Science Advances</i> , 2020 , 6, eaaz2536	4.3	2
122	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
121	Local Magnetometry of Superconducting Mo ₈ Ga ₄ and Mo ₇ VGa ₄ : Vortex Pinning Study. <i>Acta Physica Polonica A</i> , 2020 , 137, 794-796	0.6	3
120	Single-gap superconductivity in MoGa. <i>Scientific Reports</i> , 2019 , 9, 13552	4.9	8
119	Superconductor-insulator transition driven by pressure-tuned intergrain coupling in nanodiamond films. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
118	Anomalous Anisotropy in Superconducting Nanodiamond Films Induced by Crystallite Geometry. <i>Physical Review Applied</i> , 2019 , 12,	4.3	5
117	Observation of quantum corrections to conductivity up to optical frequencies. <i>Physical Review B</i> , 2019 , 100,	3.3	1
116	Sub-kelvin Andreev reflection spectroscopy of superconducting gaps in FeSe. <i>Low Temperature Physics</i> , 2019 , 45, 1222-1226	0.7	
115	Pressure effect on the superconducting and the normal state of Bi ₂ Pd. <i>Physical Review B</i> , 2018 , 97,	3.3	9
114	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
113	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
112	Superconducting Ferromagnetic Nanodiamond. <i>ACS Nano</i> , 2017 , 11, 5358-5366	16.7	17
111	Suppression of the superconductivity in ultrathin amorphous Mo ₇ Ge ₂ films observed by STM. <i>Low Temperature Physics</i> , 2017 , 43, 919-923	0.7	3
110	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
109	Bosonic Confinement and Coherence in Disordered Nanodiamond Arrays. <i>ACS Nano</i> , 2017 , 11, 11746-11754	15.7	14

108	Magnetic and thermodynamic properties of Cu_xTiSe_2 single crystals. <i>Physical Review B</i> , 2017 , 95,	3.3	2
107	Superconducting Density of States in B-Doped Diamond. <i>Acta Physica Polonica A</i> , 2017 , 131, 1033-1035	0.6	
106	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
105	Observation of a transverse Meissner effect in Cu_xTiSe_2 single crystals. <i>Physical Review B</i> , 2016 , 93,	3.3	4
104	Single-gap superconductivity in Bi_2Pd . <i>Physical Review B</i> , 2016 , 93,	3.3	31
103	Half-metallic Ni_2MnSn Heusler alloy prepared by rapid quenching. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 386, 98-101	2.8	18
102	Finite quasiparticle lifetime in disordered superconductors. <i>Physical Review B</i> , 2015 , 92,	3.3	18
101	Far-infrared electrodynamics of thin superconducting NbN film in magnetic fields. <i>Superconductor Science and Technology</i> , 2014 , 27, 055009	3.1	13
100	Influence of Pressure on Superconductivity in YB_6 . <i>Acta Physica Polonica A</i> , 2014 , 126, 340-341	0.6	1
99	Specific Heat Study of Superconductivity in $\text{Cu}_{0.061}\text{TiSe}_2$. <i>Acta Physica Polonica A</i> , 2014 , 126, 322-323	0.6	0
98	Local Magnetometry of $\text{Cu}_{0.064}\text{TiSe}_2$. <i>Acta Physica Polonica A</i> , 2014 , 126, 370-371	0.6	2
97	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	
96	High-pressure effect on the superconductivity of YB_6 . <i>Physical Review B</i> , 2014 , 90,	3.3	17
95	Heat capacity of single-crystal Cu_xTiSe_2 superconductors. <i>Physical Review B</i> , 2013 , 88,	3.3	17
94	Type II superconductivity in SrPd_2Ge_2 . <i>Superconductor Science and Technology</i> , 2013 , 26, 015010	3.1	5
93	Point-contact spectroscopy of the phononic mechanism of superconductivity in YB_6 . <i>Superconductor Science and Technology</i> , 2013 , 26, 045019	3.1	8
92	Magnetic Pair Breaking in Superconducting SrPd_2Ge_2 Investigated by Scanning Tunnelling Spectroscopy. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 1199-1203	1.5	2
91	Vortices at nanoscale: Still some room at the bottom. <i>Annalen Der Physik</i> , 2013 , 525, A185-A187	2.6	

90	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
89	Conventional superconductivity in SrPd ₂ Ge ₂ . <i>Physical Review B</i> , 2012 , 85,	3.3	11
88	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
87	Specific heat measurements of a superconducting NbS ₂ single crystal in an external magnetic field: Energy gap structure. <i>Physical Review B</i> , 2010 , 82,	3.3	44
86	Studies on two-gap superconductivity in 2H-NbS ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S719-S720	1.3	5
85	Two-Gap Superconductivity in 2H-NbS ₂ . <i>Acta Physica Polonica A</i> , 2010 , 118, 1024-1025	0.6	5
84	Enhanced Superconductivity in Nanosized Tips of Scanning Tunnelling Microscope. <i>Acta Physica Polonica A</i> , 2010 , 118, 1038-1039	0.6	10
83	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
82	Phase Diagram of TmB ₄ Probed by AC Calorimetry. <i>Acta Physica Polonica A</i> , 2010 , 118, 903-904	0.6	2
81	Point-Contact Spectroscopy of Multigap Superconductors. <i>Nanoscience and Technology</i> , 2010 , 187-210	0.6	1
80	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	
79	Evidence for two-gap superconductivity in Ba _{0.55} K _{0.45} Fe ₂ As ₂ from directional point-contact Andreev-reflection spectroscopy. <i>Physical Review B</i> , 2009 , 79,	3.3	91
78	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
77	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
76	Possible two-gap superconductivity in NdFeAsO _{0.9} F _{0.1} probed by point-contact Andreev-reflection spectroscopy. <i>Superconductor Science and Technology</i> , 2009 , 22, 014003	3.1	61
75	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
74	Specific heat of superconducting MgCNi ₃ single crystals. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052087	0.3	2
73	Superconducting energy gap in MgCNi ₃ single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 3011-3013	3.9	2

72	Intrinsic Josephson junction behaviour of the low Tc superconductor (LaSe) _{1.14} (NbSe ₂). <i>Physica C: Superconductivity and Its Applications</i> , 2008 , 468, 543-546	1.3	3
71	AC Microcalorimetry of Superconducting MgCNi ₃ Single Crystals. <i>Acta Physica Polonica A</i> , 2008 , 113, 363-366	0.6	1
70	Point-Contact Spectroscopy of Superconducting MgCNi ₃ Single Crystals. <i>Acta Physica Polonica A</i> , 2008 , 113, 215-218	0.6	
69	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
68	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
67	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
66	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	
65	Point-contact spectroscopy of Al- and C-doped MgB ₂ : Superconducting energy gaps and scattering studies. <i>Physical Review B</i> , 2007 , 75,	3.3	39
64	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
63	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
62	Dynamics of boron nanoclusters in RB ₁₂ (R = Yb, Lu) systems. <i>Crystallography Reports</i> , 2006 , 51, S139-S143	1.3	3
61	Low Temperature Properties and Superconductivity of LuB ₁₂ . <i>Journal of Low Temperature Physics</i> , 2005 , 140, 339-353	1.3	35
60	Energy gaps in doped MgB ₂ . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005 , 2, 1743-1748		4
59	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
58	Systematic study of two-band/two-gap superconductivity in carbon-substituted MgB ₂ by point-contact spectroscopy. <i>Physical Review B</i> , 2004 , 70,	3.3	51
57	Two-band Effects in the Critical Fields of MgB ₂ . <i>European Physical Journal D</i> , 2004 , 54, 449-452		1
56	Point-contact Spectroscopy on Nb/CuMn Bilayers. <i>European Physical Journal D</i> , 2004 , 54, 465-468		
55	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

54	Andreev reflection spectroscopy of MgB2 in the vortex state. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 404, 460-465	1.3	5
53	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
52	Energy gaps in carbon-substituted MgB2. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 408-410, 610-611	1.3	4
51	Critical fluctuations in the carbon-doped magnesium diboride. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 404, 195-199	1.3	31
50	Upper critical magnetic fields in single crystal MgB2. <i>Superconductor Science and Technology</i> , 2003 , 16, 193-198	3.1	13
49	Andreev-reflection study in MgB2. <i>Superconductor Science and Technology</i> , 2003 , 16, 162-166	3.1	4
48	Superconducting phase diagram of single-crystal MgB2. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 385, 154-161	1.3	32
47	Point-contact spectroscopy of MgB2. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 385, 244-254.	3	36
46	Point-contact spectroscopy of MgB2 in high magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 388-389, 145-146	1.3	4
45	Two-band/two-gap superconductivity in carbon-substituted MgB2 evidenced by point-contact spectroscopy. <i>Physical Review B</i> , 2003 , 68,	3.3	50
44	Point-contact spectroscopy of LuB12. <i>European Physical Journal D</i> , 2002 , 52, A221-A224		3
43	Ground state properties of SmB6. <i>Physica B: Condensed Matter</i> , 2002 , 312-313, 379-380	2.8	1
42	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
41	Magnetotransport and the upper critical magnetic field in MgB2. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 369, 250-253	1.3	7
40	Ullah-Dorsey Scaling of Fluctuation Conductivity Near the Superconducting Transition in (LaSe) _{1.14} (NbSe ₂). <i>European Physical Journal D</i> , 2002 , 52, 299-302		2
39	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
38	TRANSPORT IN MgB2 IN HIGH MAGNETIC FIELDS. <i>International Journal of Modern Physics B</i> , 2002 , 16, 3222-3222	1.1	
37	VORTEX GLASS TRANSITION VERSUS IRREVERSIBILITY LINE IN SUPERCONDUCTING BKBO. <i>International Journal of Modern Physics B</i> , 2002 , 16, 3221-3221	1.1	1

36	Anisotropy of the upper critical field and critical current in single crystal MgB ₂ . <i>Physical Review B</i> , 2002 , 66,	3.3	161
35	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
34	Energy gap of intermediate-valent SmB ₆ studied by point-contact spectroscopy. <i>Physical Review B</i> , 2001 , 64,	3.3	42
33	Evidence for two superconducting energy gaps in MgB ₂ by point-contact spectroscopy. <i>Physical Review Letters</i> , 2001 , 87, 137005	7.4	445
32	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
31	Magnetic pair breaking in superconducting Ba _{1-x} K _x BiO ₃ investigated by magnetotunneling. <i>Physical Review B</i> , 2000 , 62, 3502-3507	3.3	12
30	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
29	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
28	Vortex-glass transition in the (K,Ba)BiO ₃ cubic superconductor. <i>Physical Review B</i> , 1998 , 58, 12411-12415,	3.3	33
27	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
26	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
25	Andreev reflection on the Ag _{1-x} Pb _x BiO ₃ microconstriction: Temperature and magnetic field dependence. <i>Journal of Low Temperature Physics</i> , 1997 , 106, 291-296	1.3	8
24	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
23	Magnetic properties and gap formation in FeSi. <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 157-158, 637-638	2.8	9
22	Gap formation in Kondo insulator FeSi: Point contact spectroscopy. <i>Physica B: Condensed Matter</i> , 1996 , 218, 185-188	2.8	15
21	Superconducting energy gap in Bi-cuprates. <i>Physica B: Condensed Matter</i> , 1996 , 218, 217-219	2.8	4
20	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	
19	Superconducting energy gap in URu ₂ Si ₂ . <i>Physica B: Condensed Matter</i> , 1995 , 206-207, 612-614	2.8	16

18	Scaling of the superconducting order parameter in Bi cuprates with Tc. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 246, 163-168	1.3	13
17	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
16	From superconducting to normal density of states of Ba1-xKxBiO3 by tunneling in high magnetic fields. <i>Physica B: Condensed Matter</i> , 1994 , 194-196, 1747-1748	2.8	4
15	Break-junction tunneling experiments for Bi2Sr2CaCu2Ox in a strong magnetic field. <i>Physica B: Condensed Matter</i> , 1994 , 194-196, 1767-1768	2.8	1
14	Study of energy gap features in BSCCO superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1125-1126	1.3	4
13	Superconducting energy gap in Ba1-xKxBiO3: Temperature dependence. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1873-1874	1.3	6
12	Tunneling measurements of the electron-phonon interaction in Ba1-xKxBiO3. <i>Physical Review B</i> , 1993 , 48, 13904-13910	3.3	35
11	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
10	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
9	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
8	Point-contact spectroscopy of the electron-phonon interaction in LaNi5. <i>European Physical Journal B</i> , 1990 , 79, 191-194	1.2	4
7	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
6	Point-contact spectroscopy of the electron-phonon interaction in single-crystal LaB6. <i>Journal of Low Temperature Physics</i> , 1988 , 71, 49-61	1.3	15
5	Point contact properties of YBaCuO and SmBaCuO. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 1387-1388	1.3	3
4	POINT-CONTACT PROPERTIES OF YBa2Cu3O7 AND SmBa2Cu3O7 <i>Modern Physics Letters B</i> , 1988 , 02, 1269-1277	1.6	7
3	Point contact spectroscopy of U2Zn17. <i>Solid State Communications</i> , 1987 , 61, 79-82	1.6	6
2	Point Contact Measurements on U2Zn17. <i>Japanese Journal of Applied Physics</i> , 1987 , 26, 567	1.4	3
1	Suppressed Superconductivity in Ultrathin Mo2N Films due to Pair-Breaking at the Interface. <i>Journal of Superconductivity and Novel Magnetism</i> , 1	1.5	

