

Yu G Naidyuk

List of Publications by Year in descending order

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91
papers

1,240
citations

394421

19
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414414

32
g-index

95
all docs

95
docs citations

95
times ranked

813
citing authors

#	ARTICLE	IF	CITATIONS
1	Point-Contact Spectroscopy. Springer Series in Solid-state Sciences, 2005, , .	0.3	261
2	Singularities in d^2V/dI^2 dependences of point contacts between ferromagnetic metals. Solid State Communications, 1979, 30, 215-218.	1.9	75
3	Point-contact spectroscopy of heavy-fermion systems. Journal of Physics Condensed Matter, 1998, 10, 8905-8938.	1.8	59
4	Spin Diode Based on Fe/MgO Double Tunnel Junction. Nano Letters, 2008, 8, 805-809.	9.1	57
5	Direct measurement of the Zeeman splitting of crystal-field levels in PrNi ₅ by point-contact spectroscopy. Physical Review Letters, 1989, 62, 1560-1563.	7.8	52
6	Point-contact study of the heavy-fermion system URu ₂ Si ₂ . European Physical Journal B, 1992, 88, 295-301.	1.5	46
7	Advances in point-contact spectroscopy: two-band superconductor MgB ₂ (Review). Low Temperature Physics, 2004, 30, 261-274.	0.6	31
8	Magnetic field dependence of the Andreev reflection structure in the conductivity of S-N point contacts. Physica B: Condensed Matter, 1996, 218, 122-125.	2.7	30
9	Electron-phonon interaction in transition-metal diborides TB ₂ (T=Zr,Nb,Ta) studied by point-contact spectroscopy. Physical Review B, 2002, 66, .	3.2	30
10	Superconducting energy gap distribution in c-axis oriented MgB ₂ thin film from point contact study. JETP Letters, 2002, 75, 238-241.	1.4	29
11	Temperature and magnetic-field dependence of the superconducting order parameter in Zn studied by point-contact spectroscopy. Physical Review B, 1996, 54, 16077-16081.	3.2	27
12	Surface superconductivity in the Weyl semimetal MoTe ₂ detected by point contact spectroscopy. 2D Materials, 2018, 5, 045014.	4.4	26
13	Phonon structure in ν characteristic of MgB ₂ point contacts. Physical Review B, 2003, 67, .	3.2	25
14	Anisotropy of the superconducting energy gap in URu ₂ Si ₂ studied by point-contact spectroscopy. Europhysics Letters, 1996, 33, 557-562.	2.0	23
15	Distribution of the superconducting gap in a YNi ₂ B ₂ C film studied by point contact spectroscopy. Superconductor Science and Technology, 2005, 18, 1094-1099.	3.5	20
16	Spectroscopy of Phonons and Spin Torques in Magnetic Point Contacts. Physical Review Letters, 2005, 95, 186602.	7.8	20
17	Search for E _{2g} Phonon Modes in MgB ₂ Single Crystals by Point-Contact Spectroscopy. Physical Review Letters, 2003, 90, 197001.	7.8	19
18	Surface Spin-Valve Effect. Nano Letters, 2007, 7, 927-931.	9.1	19

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19	Point-contact spectroscopy of the antiferromagnetic superconductor $\text{HoNi}_2\text{B}_2\text{C}$. <i>Physical Review B</i> , 2011, 83, 020407.	3.2	19
20	Hot electrons in magnetic point contacts as a photon source. <i>New Journal of Physics</i> , 2011, 13, 023007.	2.9	19
21	Doubling of the critical temperature of FeSe observed in point contacts. <i>Physical Review B</i> , 2016, 93, .	3.2	19
22	Andreev reflections and Josephson effects in point contacts between the heavy fermion superconductor URu2Si2 and conventional superconductors. <i>European Physical Journal B</i> , 1995, 97, 77-82.	1.5	15
23	Point-Contact Spectroscopy of the Borocarbide Superconductor YNi2B2C in the Normal and Superconducting State. <i>Journal of Low Temperature Physics</i> , 2007, 147, 335-352.	1.4	15
24	Point-contact study of ReFeAsO1-xFx (Re = La, Sm) superconducting films. <i>Superconductor Science and Technology</i> , 2011, 24, 065010.	3.5	15
25	Point-contact spectroscopy of the nickel borocarbide superconductors RNi2B2C (R=Y, Dy, Ho, Er, Tm,) $T_c \approx 10 \text{ K}$, $T_c/T_c^0 \approx 1.2$, $T_c/T_c^0 \approx 1.2$.	0.784314	14
26	Anatomy of point-contact Andreev reflection spectroscopy from the experimental point of view. <i>Low Temperature Physics</i> , 2018, 44, 257-268.	0.6	14
27	Andreev reflection in point contacts between the heavy-fermion superconductor UPt3 and ordinary superconductors. <i>Physica B: Condensed Matter</i> , 1996, 218, 161-164.	2.7	13
28	Competition of multiband superconducting and magnetic order in ErNi2B2C observed by Andreev reflection. <i>Europhysics Letters</i> , 2008, 83, 37003.	2.0	12
29	Break-junction experiments on single crystals: from bulk transport to vacuum tunnelling. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 6279-6291.	1.8	11
30	Excess current in point contacts on two-band superconductor MgB2 in magnetic field. <i>Solid State Communications</i> , 2005, 133, 363-367.	1.9	11
31	Superconducting gaps in FeSe studied by soft point-contact Andreev reflection spectroscopy. <i>Physical Review B</i> , 2017, 96, .	3.2	11
32	Title is missing!. <i>Journal of Low Temperature Physics</i> , 1998, 110, 873-884.	1.4	10
33	Exploring point-contact spectra of BaFe2As2. <i>Physical Review B</i> , 2011, 83, 020407.	3.2	10
34	Superconducting gap and pair breaking in CeRu2 studied by point contacts. <i>Low Temperature Physics</i> , 2001, 27, 613-615.	0.6	9
35	Peculiarities of the superconducting gaps and the electron-boson interaction in TmNi2B2C. <i>Physical Review B</i> , 2011, 84, .	3.2	9
36	Point-contact measurements of CeB6 and CeCu6 in high magnetic fields. <i>European Physical Journal B</i> , 1991, 82, 221-226.	1.5	8

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37	Point contacts with the amorphous superconductor (Mo _{0.55} Ru _{0.45}) _{0.8} P _{0.2} in a magnetic field. <i>Physica B: Condensed Matter</i> , 1996, 218, 197-199.	2.7	8
38	Stimulated emission and absorption of photons in magnetic point contacts. <i>New Journal of Physics</i> , 2012, 14, 093021.	2.9	8
39	Study of the Electron-Phonon Interaction in Metal Diborides MeB ₂ (Me = Zr, Nb, Ta, Mg) by Point-Contact Spectroscopy. <i>Modern Physics Letters B</i> , 2003, 17, 657-666.	1.9	7
40	Multiband superconductivity in HoNi ₂ B ₂ C. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 99-102.	1.2	7
41	Point contact studies of the superconducting gap of CeRu ₂ . <i>Low Temperature Physics</i> , 1998, 24, 374-376.	0.6	6
42	Phonon self-energy effects in the superconducting energy gap of MgB ₂ point-contact spectra. <i>Physical Review B</i> , 2004, 69, .	3.2	6
43	Point-contact spectroscopy of the borocarbide superconductor YNi ₂ B ₂ C. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 103-104.	1.2	6
44	Josephson effect and Andreev reflection in Ba _{1-x} NaxFe ₂ As ₂ (x=0.25 and 0.35) point contacts. <i>Low Temperature Physics</i> , 2014, 40, 919-924.	0.6	6
45	Evidence for EMF in a point-contact between two metals caused by a difference in the effective electron mass. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 1321-1322.	2.7	5
46	Magnetic state in URu ₂ Si ₂ , UPd ₂ Al ₃ , and UNi ₂ Al ₃ probed by point contacts. <i>Low Temperature Physics</i> , 2001, 27, 493-497.	0.6	5
47	The antiferromagnetic transition of UPd ₂ Al ₃ break junctions: a new realization of N-shaped current-voltage characteristics. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 3433-3443.	1.8	5
48	Comment on "Experimental determination of superconducting parameters for the intermetallic perovskite superconductor MgCNi ₃ ". <i>Physical Review B</i> , 2004, 69, .	3.2	5
49	Spin-torque driven excitations and hysteresis in magnetic point contacts. <i>Journal of Applied Physics</i> , 2006, 99, 08G503.	2.5	5
50	Observation of an anisotropic effect of antiferromagnetic ordering on the superconducting gap in ErNi ₂ B ₂ C. <i>Low Temperature Physics</i> , 2010, 36, 990-1003.	0.6	5
51	Point-contact study of the LuNi ₂ B ₂ C borocarbide superconducting film. <i>Superconductor Science and Technology</i> , 2010, 23, 115001.	3.5	5
52	Single 20 meV boson mode in KFeAs ₂ detected by point-contact spectroscopy. <i>Physical Review B</i> , 2014, 90, .	3.2	5
53	Analysis of nonlinear conductivity of point contacts on the base of FeSe in the normal and superconducting state. <i>Low Temperature Physics</i> , 2016, 42, 31-35.	0.6	5
54	Superconducting Gap and Electron-Phonon Interaction in MgB ₂ Thin Film Studied by Point Contacts. , 2002, , 225-234.		5

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55	Point-contacts between the heavy-fermion superconductor UBe_{13} and conventional superconductors. <i>European Physical Journal D</i> , 1996, 46, 799-800.	0.4	4
56	Anisotropy of the gapped Fermi surface of URu_2Si_2 in the antiferromagnetic state studied by point contact spectroscopy. <i>Physica B: Condensed Matter</i> , 1996, 218, 157-160.	2.7	4
57	Point-contact investigations of challenging superconductors: two-band MgB_2 , antiferromagnetic $HoNi_2B_2C$, heavy-fermion UPd_2Al_3 , paramagnetic $MgCNi_3$. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 469-472.	2.7	4
58	Point-contact spectroscopy of the antiferromagnetic superconductor $HoNi_2B_2C$. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 105-106.	1.2	4
59	Yanson point-contact spectroscopy of Weyl semimetal WTe_2 . <i>2D Materials</i> , 2019, 6, 045012.	4.4	4
60	Current driven tri-stable resistance states in magnetic point contacts. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 355004.	1.8	3
61	The Superconducting gap behavior in the antiferromagnetic Nickel-Borocarbide compounds RNi_2B_2C ($R = Dy, Ho, Er, Tm$) studied by point-contacts spectroscopy. <i>Journal of Physics: Conference Series</i> , 2009, 150, 052178.	0.4	3
62	Current-field diagram for the magnetic states of a surface spin valve in a point contact with a single ferromagnetic film. <i>Low Temperature Physics</i> , 2013, 39, 279-284.	0.6	3
63	Anisotropic multiband superconductivity in Zn observed by simultaneous Andreev reflection and Yanson point-contact spectroscopy. <i>Solid State Communications</i> , 2014, 184, 29-33.	1.9	3
64	Switchable domains in point contacts based on transition metal tellurides. <i>Physical Review Materials</i> , 2021, 5, .	2.4	3
65	Break-junction experiments on the Kondo semiconductor $CeNiSn$: tunnelling versus direct conductance. <i>Low Temperature Physics</i> , 2000, 26, 502-507.	0.6	2
66	On the mechanism of hysteresis in conductance of point contacts to single ferromagnetic films. <i>Journal of Applied Physics</i> , 2007, 101, 09A513.	2.5	2
67	Spin Torques in Point Contacts to Exchange-Biased Ferromagnetic Films. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 2094-2096.	2.1	2
68	Enhanced critical temperatures in the strongly overdoped iron-based superconductors AFe_2As_2 ($A = K, Tl$). <i>Physical Review Letters</i> , 2008, 101, 077002.	0.6	2
69	Phonon drag effects in point heterocontacts between metals. <i>Physica B: Condensed Matter</i> , 1991, 169, 479-480.	2.7	1
70	Effect of the pressure and magnetic field on the temperature-dependent resistivity of heavy-fermion systems. <i>Physical Review B</i> , 1992, 46, 14903-14905.	3.2	1
71	Point-contact spectroscopy of the heavy-fermion antiferromagnet $CeCu_5Au$. <i>Physica B: Condensed Matter</i> , 1996, 218, 177-180.	2.7	1
72	Low-temperature magnetoresistance measurements of $YbBe_{13}$. <i>Physica B: Condensed Matter</i> , 1999, 259-261, 152-153.	2.7	1

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73	Point-contact spectroscopy of the normal state excitations in. Physica B: Condensed Matter, 2006, 378-380, 187-188.	2.7	1
74	Sub-kelvin Andreev reflection spectroscopy of superconducting gaps in FeSe. Low Temperature Physics, 2019, 45, 1222-1226.	0.6	1
75	MAGNETIC UNIPOLAR FEATURES IN CONDUCTIVITY OF POINT CONTACTS BETWEEN NORMAL AND FERROMAGNETIC D-METALS (CO, NI, FE). , 2007, , 59-69.		1
76	PCS of superconductors. Springer Series in Solid-state Sciences, 2005, , 193-222.	0.3	1
77	PCS of quasiparticle excitations. Springer Series in Solid-state Sciences, 2005, , 53-97.	0.3	1
78	Point-contact spectroscopy of electron-phonon interaction in alkali metals: Na and K. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1981, 107, 373-374.	0.9	0
79	Study of the superconducting order parameter in Zn by point contact spectroscopy. European Physical Journal D, 1996, 46, 711-712.	0.4	0
80	INVESTIGATION OF SUPERCONDUCTING GAP IN CeRu_2 . , 2000, , .		0
81	Vortex-like state observed in ferromagnetic contacts. Journal of Physics: Conference Series, 2010, 200, 052033.	0.4	0
82	Igor Kondratievich Yanson (1938â€“2011) On the 75th anniversary of his birth. Low Temperature Physics, 2013, 39, 187-188.	0.6	0
83	Spin-valve effects in point contacts to exchange biased $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}$ films. Low Temperature Physics, 2014, 40, 915-918.	0.6	0
84	Study of point-contact spectra of FeSe in the normal and superconducting states. , 2015, , .		0
85	Is CeNiSn a Kondo Semiconductor?. , 2001, , 219-222.		0
86	PCS of heavy-fermion systems. Springer Series in Solid-state Sciences, 2005, , 251-280.	0.3	0
87	PCS of nonphononic scattering mechanisms. Springer Series in Solid-state Sciences, 2005, , 99-123.	0.3	0
88	PCS of high- T_c and other uncommon superconductors. Springer Series in Solid-state Sciences, 2005, , 223-249.	0.3	0
89	Point-Contact Study of the Rare-Earth Nickel-Borocarbide $\text{RNi}_2\text{B}_2\text{C}$ (R = Y, Dy, Ho, Er, Tm, Lu) Superconductors. Nanoscience and Technology, 2011, , 249-261.	1.5	0
90	Point-Contact Spectroscopy of Two-Band Superconductor MgB_2 . , 2004, , 273-288.		0

#	ARTICLE	IF	CITATIONS
91	Superconductivity in hole-doped germanium point contacts. Low Temperature Physics, 2022, 48, 136-141.	0.6	0