

Yu G Naidyuk

List of Publications by Year in descending order

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32
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95
all docs

95
docs citations

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times ranked

865
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity in hole-doped germanium point contacts. Low Temperature Physics, 2022, 48, 136-141.	0.2	0
2	Switchable domains in point contacts based on transition metal tellurides. Physical Review Materials, 2021, 5, .	0.9	3
3	Enhanced critical temperatures in the strongly overdoped iron-based superconductors $A\text{Fe}_2\text{As}_2$ ($A = \text{K}, \text{Tl}$). <i>Physical Review Letters</i> , 2021, 126, 077001. doi:10.1103/PhysRevLett.126.077001	0.2	2
4	Yanson point-contact spectroscopy of Weyl semimetal WTe_2 . 2D Materials, 2019, 6, 045012.	2.0	4
5	Sub-kelvin Andreev reflection spectroscopy of superconducting gaps in FeSe. Low Temperature Physics, 2019, 45, 1222-1226.	0.2	1
6	Anatomy of point-contact Andreev reflection spectroscopy from the experimental point of view. Low Temperature Physics, 2018, 44, 257-268.	0.2	14
7	Surface superconductivity in the Weyl semimetal MoTe_2 detected by point contact spectroscopy. 2D Materials, 2018, 5, 045014.	2.0	26
8	Superconducting gaps in FeSe studied by soft point-contact Andreev reflection spectroscopy. Physical Review B, 2017, 96, .	1.1	11
9	Analysis of nonlinear conductivity of point contacts on the base of FeSe in the normal and superconducting state. Low Temperature Physics, 2016, 42, 31-35.	0.2	5
10	Doubling of the critical temperature of FeSe observed in point contacts. Physical Review B, 2016, 93, .	1.1	19
11	Study of point-contact spectra of FeSe in the normal and superconducting states. , 2015, , .		0
12	Exploring point-contact spectra of $\text{Ba}_{1-x}\text{Na}_x\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2015, 91, 040503. doi:10.1103/PhysRevB.91.040503	1.1	10
13	Spin-valve effects in point contacts to exchange biased $\text{Co}/\text{Fe}_4\text{O}_2/\text{Fe}$ films. Low Temperature Physics, 2014, 40, 915-918.	0.2	0
14	Josephson effect and Andreev reflection in $\text{Ba}_{1-x}\text{Na}_x\text{Fe}_2\text{As}_2$ ($x = 0.25$ and 0.35) point contacts. Low Temperature Physics, 2014, 40, 919-924.	0.2	6
15	Single 20 meV boson mode in KFe_2As_2 detected by point-contact spectroscopy. Physical Review B, 2014, 90, .	1.1	5
16	Anisotropic multiband superconductivity in Zn observed by simultaneous Andreev reflection and Yanson point-contact spectroscopy. Solid State Communications, 2014, 184, 29-33.	0.9	3
17	Current-field diagram for the magnetic states of a surface spin valve in a point contact with a single ferromagnetic film. Low Temperature Physics, 2013, 39, 279-284.	0.2	3
18	Igor Kondratievich Yanson (1938–2011) On the 75th anniversary of his birth. Low Temperature Physics, 2013, 39, 187-188.	0.2	0

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19	Stimulated emission and absorption of photons in magnetic point contacts. <i>New Journal of Physics</i> , 2012, 14, 093021.	1.2	8
20	Point-contact study of ReFeAsO_1 ($\text{Re} = \text{La}, \text{Sm}$) superconducting films. <i>Superconductor Science and Technology</i> , 2011, 24, 065010.	1.8	15
21	Hot electrons in magnetic point contacts as a photon source. <i>New Journal of Physics</i> , 2011, 13, 023007.	1.2	19
22	Peculiarities of the superconducting gaps and the electron-boson interaction in $\text{TmNi}_2\text{B}_2\text{C}$ as seen by point-contact spectroscopy. <i>Physical Review B</i> , 2011, 84, .	1.1	9
23	Point-Contact Study of the Rare-Earth Nickel-Borocarbide $\text{RNi}_2\text{B}_2\text{C}$ ($\text{R} = \text{Y}, \text{Dy}, \text{Ho}, \text{Er}, \text{Tm}, \text{Lu}$) Superconductors. <i>Nanoscience and Technology</i> , 2011, , 249-261.	1.5	0
24	Vortex-like state observed in ferromagnetic contacts. <i>Journal of Physics: Conference Series</i> , 2010, 200, 052033.	0.3	0
25	Observation of an anisotropic effect of antiferromagnetic ordering on the superconducting gap in $\text{ErNi}_2\text{B}_2\text{C}$. <i>Low Temperature Physics</i> , 2010, 36, 990-1003.	0.2	5
26	Spin Torques in Point Contacts to Exchange-Biased Ferromagnetic Films. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 2094-2096.	1.2	2
27	Point-contact study of the $\text{LuNi}_2\text{B}_2\text{C}$ borocarbide superconducting film. <i>Superconductor Science and Technology</i> , 2010, 23, 115001.	1.8	5
28	Current driven tri-stable resistance states in magnetic point contacts. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 355004.	0.7	3
29	The Superconducting gap behavior in the antiferromagnetic Nickel-Borocarbide compounds $\text{RNi}_2\text{B}_2\text{C}$ ($\text{R} = \text{Dy}, \text{Ho}, \text{Er}, \text{Tm}$) studied by point-contacts spectroscopy. <i>Journal of Physics: Conference Series</i> , 2009, 150, 052178.	0.3	3
30	Spin Diode Based on Fe/MgO Double Tunnel Junction. <i>Nano Letters</i> , 2008, 8, 805-809.	4.5	57
31	Competition of multiband superconducting and magnetic order in $\text{ErNi}_2\text{B}_2\text{C}$ observed by Andreev reflection. <i>Europhysics Letters</i> , 2008, 83, 37003.	0.7	12
32	On the mechanism of hysteresis in conductance of point contacts to single ferromagnetic films. <i>Journal of Applied Physics</i> , 2007, 101, 09A513.	1.1	2
33	Surface Spin-Valve Effect. <i>Nano Letters</i> , 2007, 7, 927-931.	4.5	19
34	Point-contact spectroscopy of the borocarbide superconductor $\text{YNi}_2\text{B}_2\text{C}$. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 103-104.	0.6	6
35	Point-contact spectroscopy of the antiferromagnetic superconductor $\text{HoNi}_2\text{B}_2\text{C}$. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 105-106.	0.6	4
36	Point-contact spectroscopy of the nickel borocarbide superconductors $\text{RNi}_2\text{B}_2\text{C}$ ($\text{R} = \text{Y}, \text{Dy}, \text{Ho}, \text{Er}, \text{Tm}$)	0.6	14

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37	Multiband superconductivity in HoNi ₂ B ₂ C. Physica C: Superconductivity and Its Applications, 2007, 460-462, 99-102.	0.6	7
38	Point-contact spectroscopy of the antiferromagnetic superconductor $\text{HoNi}_2\text{B}_2\text{C}$ in the normal and superconducting state. Journal of Low Temperature Physics, 2007, 147, 335-352.	1.1	19
39	Point-Contact Spectroscopy of the Borocarbide Superconductor YNi ₂ B ₂ C in the Normal and Superconducting State. Journal of Low Temperature Physics, 2007, 147, 335-352.	0.6	15
40	MAGNETIC UNIPOLAR FEATURES IN CONDUCTIVITY OF POINT CONTACTS BETWEEN NORMAL AND FERROMAGNETIC D-METALS (CO, NI, FE). , 2007, , 59-69.		1
41	Point-contact spectroscopy of the normal state excitations in. Physica B: Condensed Matter, 2006, 378-380, 187-188.	1.3	1
42	Spin-torque driven excitations and hysteresis in magnetic point contacts. Journal of Applied Physics, 2006, 99, 08G503.	1.1	5
43	Excess current in point contacts on two-band superconductor MgB ₂ in magnetic field. Solid State Communications, 2005, 133, 363-367.	0.9	11
44	Point-contact investigations of challenging superconductors: two-band MgB ₂ , antiferromagnetic HoNi ₂ B ₂ C, heavy-fermion UPd ₂ Al ₃ , paramagnetic MgCNi ₃ . Physica B: Condensed Matter, 2005, 359-361, 469-472.	1.3	4
45	Point-Contact Spectroscopy. Springer Series in Solid-state Sciences, 2005, , .	0.3	261
46	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.	1.8	20
47	Spectroscopy of Phonons and Spin Torques in Magnetic Point Contacts. Physical Review Letters, 2005, 95, 186602.	2.9	20
48	PCS of superconductors. Springer Series in Solid-state Sciences, 2005, , 193-222.	0.3	1
49	PCS of heavy-fermion systems. Springer Series in Solid-state Sciences, 2005, , 251-280.	0.3	0
50	PCS of nonphononic scattering mechanisms. Springer Series in Solid-state Sciences, 2005, , 99-123.	0.3	0
51	PCS of high-T _c and other uncommon superconductors. Springer Series in Solid-state Sciences, 2005, , 223-249.	0.3	0
52	PCS of quasiparticle excitations. Springer Series in Solid-state Sciences, 2005, , 53-97.	0.3	1
53	The antiferromagnetic transition of UPd ₂ Al ₃ break junctions: a new realization of N-shaped current-voltage characteristics. Journal of Physics Condensed Matter, 2004, 16, 3433-3443.	0.7	5
54	Comment on "Experimental determination of superconducting parameters for the intermetallic perovskite superconductor MgCNi ₃ ". Physical Review B, 2004, 69, .	1.1	5

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55	Phonon self-energy effects in the superconducting energy gap of MgB ₂ point-contact spectra. Physical Review B, 2004, 69, .	1.1	6
56	Advances in point-contact spectroscopy: two-band superconductor MgB ₂ (Review). Low Temperature Physics, 2004, 30, 261-274.	0.2	31
57	Point-Contact Spectroscopy of Two-Band Superconductor MgB ₂ . , 2004, , 273-288.		0
58	Phonon structure in λ^2 characteristic of MgB ₂ point contacts. Physical Review B, 2003, 67, .	1.1	25
59	Search for E _{2g} Phonon Modes in MgB ₂ Single Crystals by Point-Contact Spectroscopy. Physical Review Letters, 2003, 90, 197001.	2.9	19
60	Study of the Electron-Phonon Interaction in Metal Diborides MeB ₂ (Me = Zr, Nb, Ta, Mg) by Point-Contact Spectroscopy. Modern Physics Letters B, 2003, 17, 657-666.	1.0	7
61	Electron-phonon interaction in transition-metal diborides TB ₂ (T=Zr, Nb, Ta) studied by point-contact spectroscopy. Physical Review B, 2002, 66, .	1.1	30
62	Superconducting energy gap distribution in c-axis oriented MgB ₂ thin film from point contact study. JETP Letters, 2002, 75, 238-241.	0.4	29
63	Superconducting Gap and Electron-Phonon Interaction in MgB ₂ Thin Film Studied by Point Contacts. , 2002, , 225-234.		5
64	Magnetic state in URu ₂ Si ₂ , UPd ₂ Al ₃ , and UNi ₂ Al ₃ probed by point contacts. Low Temperature Physics, 2001, 27, 493-497.	0.2	5
65	Superconducting gap and pair breaking in CeRu ₂ studied by point contacts. Low Temperature Physics, 2001, 27, 613-615.	0.2	9
66	Is CeNiSn a Kondo Semiconductor?. , 2001, , 219-222.		0
67	Break-junction experiments on the Kondo semiconductor CeNiSn: tunnelling versus direct conductance. Low Temperature Physics, 2000, 26, 502-507.	0.2	2
68	INVESTIGATION OF SUPERCONDUCTING GAP IN CeRu_2 . , 2000, , .		0
69	Low-temperature magnetoresistance measurements of YbBe ₁₃ . Physica B: Condensed Matter, 1999, 259-261, 152-153.	1.3	1
70	Title is missing!. Journal of Low Temperature Physics, 1998, 110, 873-884.	0.6	10
71	Point-contact spectroscopy of heavy-fermion systems. Journal of Physics Condensed Matter, 1998, 10, 8905-8938.	0.7	59
72	Point contact studies of the superconducting gap of CeRu ₂ . Low Temperature Physics, 1998, 24, 374-376.	0.2	6

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73	Break-junction experiments on single crystals: from bulk transport to vacuum tunnelling. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 6279-6291.	0.7	11
74	Study of the superconducting order parameter in Zn by point contact spectroscopy. <i>European Physical Journal D</i> , 1996, 46, 711-712.	0.4	0
75	Point-contacts between the heavy-fermion superconductor U Be 13 and conventional superconductors. <i>European Physical Journal D</i> , 1996, 46, 799-800.	0.4	4
76	Magnetic field dependence of the Andreev reflection structure in the conductivity of S-N point contacts. <i>Physica B: Condensed Matter</i> , 1996, 218, 122-125.	1.3	30
77	Anisotropy of the gapped Fermi surface of URu2Si2 in the antiferromagnetic state studied by point contact spectroscopy. <i>Physica B: Condensed Matter</i> , 1996, 218, 157-160.	1.3	4
78	Andreev reflection in point contacts between the heavy-fermion superconductor UPt3 and ordinary superconductors. <i>Physica B: Condensed Matter</i> , 1996, 218, 161-164.	1.3	13
79	Point contacts with the amorphous superconductor (Mo0.55Ru0.45)0.8P0.2 in a magnetic field. <i>Physica B: Condensed Matter</i> , 1996, 218, 197-199.	1.3	8
80	Point-contact spectroscopy of the heavy-fermion antiferromagnet CeCu5Au. <i>Physica B: Condensed Matter</i> , 1996, 218, 177-180.	1.3	1
81	Temperature and magnetic-field dependence of the superconducting order parameter in Zn studied by point-contact spectroscopy. <i>Physical Review B</i> , 1996, 54, 16077-16081.	1.1	27
82	Anisotropy of the superconducting energy gap in URu 2 Si 2 studied by point-contact spectroscopy. <i>Europhysics Letters</i> , 1996, 33, 557-562.	0.7	23
83	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.	0.6	15
84	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.	1.3	5
85	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.	1.1	1
86	Point-contact study of the heavy-fermion system URu2Si2. <i>European Physical Journal B</i> , 1992, 88, 295-301.	0.6	46
87	Point-contact measurements of CeB6 and CeCu6 in high magnetic fields. <i>European Physical Journal B</i> , 1991, 82, 221-226.	0.6	8
88	Phonon drag effects in point heterocontacts between metals. <i>Physica B: Condensed Matter</i> , 1991, 169, 479-480.	1.3	1
89	Direct measurement of the Zeeman splitting of crystal-field levels in PrNi5 by point-contact spectroscopy. <i>Physical Review Letters</i> , 1989, 62, 1560-1563.	2.9	52
90	Point-contact spectroscopy of electron-phonon interaction in alkali metals: Na and K. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1981, 107, 373-374.	0.9	0

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91	Singularities in d^2V/dl^2 dependences of point contacts between ferromagnetic metals. Solid State Communications, 1979, 30, 215-218.	0.9	75