

# Yu G Naidyuk

## List of Publications by Year in descending order

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91  
papers

1,240  
citations

394421

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g-index

95  
all docs

95  
docs citations

95  
times ranked

813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity in hole-doped germanium point contacts. Low Temperature Physics, 2022, 48, 136-141.	0.6	0
2	Switchable domains in point contacts based on transition metal tellurides. Physical Review Materials, 2021, 5, .	2.4	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> , 2019, 123, 077001. <a href="#">TJFTQq110.784314</a>	0.6	2
4	Yanson point-contact spectroscopy of Weyl semimetal $\text{WTe}_2$ . 2D Materials, 2019, 6, 045012.	4.4	4
5	Sub-kelvin Andreev reflection spectroscopy of superconducting gaps in FeSe. Low Temperature Physics, 2019, 45, 1222-1226.	0.6	1
6	Anatomy of point-contact Andreev reflection spectroscopy from the experimental point of view. Low Temperature Physics, 2018, 44, 257-268.	0.6	14
7	Surface superconductivity in the Weyl semimetal $\text{MoTe}_2$ detected by point contact spectroscopy. 2D Materials, 2018, 5, 045014.	4.4	26
8	Superconducting gaps in FeSe studied by soft point-contact Andreev reflection spectroscopy. Physical Review B, 2017, 96, .	3.2	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.	0.6	5
10	Doubling of the critical temperature of FeSe observed in point contacts. Physical Review B, 2016, 93, .	3.2	19
11	Study of point-contact spectra of FeSe in the normal and superconducting states. , 2015, , .		0
12	Exploring point-contact spectra of $\text{Ba}_{1-x}\text{Na}_x\text{Fe}_2\text{As}_2$ $(x = 0.25 \text{ and } 0.35)$ point contacts. Low Temperature Physics, 2014, 40, 919-924.	3.2	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.	0.6	0
14	Josephson effect and Andreev reflection in $\text{Ba}_{1-x}\text{Na}_x\text{Fe}_2\text{As}_2$ ( $x = 0.25 \text{ and } 0.35$ ) point contacts. Low Temperature Physics, 2014, 40, 919-924.	0.6	6
15	Single 20 meV boson mode in $\text{KFeAs}_2$ detected by point-contact spectroscopy. Physical Review B, 2014, 90, .	3.2	5
16	Anisotropic multiband superconductivity in Zn observed by simultaneous Andreev reflection and Yanson point-contact spectroscopy. Solid State Communications, 2014, 184, 29-33.	1.9	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.	0.6	3
18	Igor Kondratievich Yanson (1938–2011) On the 75th anniversary of his birth. Low Temperature Physics, 2013, 39, 187-188.	0.6	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.	2.9	8
20	Point-contact study of $\text{ReFeAsO}_1$ ( $\text{Re} = \text{La}, \text{Sm}$ ) superconducting films. <i>Superconductor Science and Technology</i> , 2011, 24, 065010.	3.5	15
21	Hot electrons in magnetic point contacts as a photon source. <i>New Journal of Physics</i> , 2011, 13, 023007.	2.9	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, .	3.2	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.	0.4	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.	0.6	5
26	Spin Torques in Point Contacts to Exchange-Biased Ferromagnetic Films. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 2094-2096.	2.1	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.	3.5	5
28	Current driven tri-stable resistance states in magnetic point contacts. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 355004.	1.8	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.	0.4	3
30	Spin Diode Based on $\text{Fe}/\text{MgO}$ Double Tunnel Junction. <i>Nano Letters</i> , 2008, 8, 805-809.	9.1	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.	2.0	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.	2.5	2
33	Surface Spin-Valve Effect. <i>Nano Letters</i> , 2007, 7, 927-931.	9.1	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.	1.2	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.	1.2	4
36	Point-contact spectroscopy of the nickel borocarbide superconductors $\text{RNi}_2\text{B}_2\text{C}$ ( $\text{R} = \text{Y}, \text{Dy}, \text{Ho}, \text{Er}, \text{Tm}$ )	1.2	14

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37	Multiband superconductivity in HoNi <sub>2</sub> B <sub>2</sub> C. Physica C: Superconductivity and Its Applications, 2007, 460-462, 99-102.	1.2	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.	3.2	19
39	Point-Contact Spectroscopy of the Borocarbide Superconductor YNi <sub>2</sub> B <sub>2</sub> C in the Normal and Superconducting State. Journal of Low Temperature Physics, 2007, 147, 335-352.	1.4	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.	2.7	1
42	Spin-torque driven excitations and hysteresis in magnetic point contacts. Journal of Applied Physics, 2006, 99, 08G503.	2.5	5
43	Excess current in point contacts on two-band superconductor MgB <sub>2</sub> in magnetic field. Solid State Communications, 2005, 133, 363-367.	1.9	11
44	Point-contact investigations of challenging superconductors: two-band MgB <sub>2</sub> , antiferromagnetic HoNi <sub>2</sub> B <sub>2</sub> C, heavy-fermion UPd <sub>2</sub> Al <sub>3</sub> , paramagnetic MgCNi <sub>3</sub> . Physica B: Condensed Matter, 2005, 359-361, 469-472.	2.7	4
45	Point-Contact Spectroscopy. Springer Series in Solid-state Sciences, 2005, , .	0.3	261
46	Distribution of the superconducting gap in a YNi <sub>2</sub> B <sub>2</sub> C film studied by point contact spectroscopy. Superconductor Science and Technology, 2005, 18, 1094-1099.	3.5	20
47	Spectroscopy of Phonons and Spin Torques in Magnetic Point Contacts. Physical Review Letters, 2005, 95, 186602.	7.8	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 <sub>c</sub> 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 <sub>2</sub> Al <sub>3</sub> break junctions: a new realization of N-shaped current-voltage characteristics. Journal of Physics Condensed Matter, 2004, 16, 3433-3443.	1.8	5
54	Comment on "Experimental determination of superconducting parameters for the intermetallic perovskite superconductor MgCNi <sub>3</sub> ". Physical Review B, 2004, 69, .	3.2	5

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55	Phonon self-energy effects in the superconducting energy gap of MgB <sub>2</sub> point-contact spectra. Physical Review B, 2004, 69, .	3.2	6
56	Advances in point-contact spectroscopy: two-band superconductor MgB <sub>2</sub> (Review). Low Temperature Physics, 2004, 30, 261-274.	0.6	31
57	Point-Contact Spectroscopy of Two-Band Superconductor MgB <sub>2</sub> . , 2004, , 273-288.		0
58	Phonon structure in $\lambda^2$ characteristic of MgB <sub>2</sub> point contacts. Physical Review B, 2003, 67, .	3.2	25
59	Search for E <sub>2g</sub> Phonon Modes in MgB <sub>2</sub> Single Crystals by Point-Contact Spectroscopy. Physical Review Letters, 2003, 90, 197001.	7.8	19
60	Study of the Electron-Phonon Interaction in Metal Diborides MeB <sub>2</sub> (Me = Zr, Nb, Ta, Mg) by Point-Contact Spectroscopy. Modern Physics Letters B, 2003, 17, 657-666.	1.9	7
61	Electron-phonon interaction in transition-metal diborides TB <sub>2</sub> (T=Zr, Nb, Ta) studied by point-contact spectroscopy. Physical Review B, 2002, 66, .	3.2	30
62	Superconducting energy gap distribution in c-axis oriented MgB <sub>2</sub> thin film from point contact study. JETP Letters, 2002, 75, 238-241.	1.4	29
63	Superconducting Gap and Electron-Phonon Interaction in MgB <sub>2</sub> Thin Film Studied by Point Contacts. , 2002, , 225-234.		5
64	Magnetic state in URu <sub>2</sub> Si <sub>2</sub> , UPd <sub>2</sub> Al <sub>3</sub> , and UNi <sub>2</sub> Al <sub>3</sub> probed by point contacts. Low Temperature Physics, 2001, 27, 493-497.	0.6	5
65	Superconducting gap and pair breaking in CeRu <sub>2</sub> studied by point contacts. Low Temperature Physics, 2001, 27, 613-615.	0.6	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.	0.6	2
68	INVESTIGATION OF SUPERCONDUCTING GAP IN $\text{CeRu}_2$ . , 2000, , .		0
69	Low-temperature magnetoresistance measurements of YbBe <sub>13</sub> . Physica B: Condensed Matter, 1999, 259-261, 152-153.	2.7	1
70	Title is missing!. Journal of Low Temperature Physics, 1998, 110, 873-884.	1.4	10
71	Point-contact spectroscopy of heavy-fermion systems. Journal of Physics Condensed Matter, 1998, 10, 8905-8938.	1.8	59
72	Point contact studies of the superconducting gap of CeRu <sub>2</sub> . Low Temperature Physics, 1998, 24, 374-376.	0.6	6

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73	Break-junction experiments on single crystals: from bulk transport to vacuum tunnelling. Journal of Physics Condensed Matter, 1997, 9, 6279-6291.	1.8	11
74	Study of the superconducting order parameter in Zn by point contact spectroscopy. European Physical Journal D, 1996, 46, 711-712.	0.4	0
75	Point-contacts between the heavy-fermion superconductor U Be 13 and conventional superconductors. European Physical Journal D, 1996, 46, 799-800.	0.4	4
76	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
77	Anisotropy of the gapped Fermi surface of URu2Si2 in the antiferromagnetic state studied by point contact spectroscopy. Physica B: Condensed Matter, 1996, 218, 157-160.	2.7	4
78	Andreev reflection in point contacts between the heavy-fermion superconductor UPt3 and ordinary superconductors. Physica B: Condensed Matter, 1996, 218, 161-164.	2.7	13
79	Point contacts with the amorphous superconductor (Mo0.55Ru0.45)0.8P0.2 in a magnetic field. Physica B: Condensed Matter, 1996, 218, 197-199.	2.7	8
80	Point-contact spectroscopy of the heavy-fermion antiferromagnet CeCu5Au. Physica B: Condensed Matter, 1996, 218, 177-180.	2.7	1
81	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
82	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
83	Andreev reflections and Josephson effects in point contacts between the heavy fermion superconductor URu2Si2 and conventional superconductors. European Physical Journal B, 1995, 97, 77-82.	1.5	15
84	Evidence for EMF in a point-contact between two metals caused by a difference in the effective electron mass. Physica B: Condensed Matter, 1994, 194-196, 1321-1322.	2.7	5
85	Effect of the pressure and magnetic field on the temperature-dependent resistivity of heavy-fermion systems. Physical Review B, 1992, 46, 14903-14905.	3.2	1
86	Point-contact study of the heavy-fermion system URu2Si2. European Physical Journal B, 1992, 88, 295-301.	1.5	46
87	Point-contact measurements of CeB6 and CeCu6 in high magnetic fields. European Physical Journal B, 1991, 82, 221-226.	1.5	8
88	Phonon drag effects in point heterocontacts between metals. Physica B: Condensed Matter, 1991, 169, 479-480.	2.7	1
89	Direct measurement of the Zeeman splitting of crystal-field levels in PrNi5 by point-contact spectroscopy. Physical Review Letters, 1989, 62, 1560-1563.	7.8	52
90	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

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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.	1.9	75