Svetoslav A Kuzmichev

List of Publications by Year
in descending order

43	681	567281 15	580821 25
papers	citations	h-index	g-index

44	44	44	462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiple Andreev reflections effect spectroscopy of LiFeAs single crystals: three superconducting order parameters and their temperature evolution. SN Applied Sciences, 2022, 4, .	2.9	1
2	Superconducting order parameters in overdoped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mrow><mml:mn>1.86</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> revealed by multiple Andreev reflection spectroscopy of planar break junctions. Physical Review B, 2021, 104, .	3.2	5
3	Electronic and Superconducting Properties of the AFeAs (A = Li, Na) Family Alkali-Metal Pnictides: Current Stage of the Research (Brief Review). JETP Letters, 2021, 114, 630-642.	1.4	6
4	Experimental Evidence of Three-Gap Superconductivity in LiFeAs. JETP Letters, 2020, 111, 350-356.	1.4	8
5	Amplitudes of minima in dynamic conductance spectra of the SNS Andreev contact. Journal of Applied Physics, 2020, 128, 013901.	2.5	11
6	Multiple Andreev Reflection Spectroscopy of Optimally Doped Ba(Fe, Ni)2As2 Superconducting Pnictides. JETP Letters, 2020, 112, 786-792.	1.4	10
7	Multiple-Band Andreev Transport in Optimally Doped Superconducting Oxypnictides. JETP Letters, 2020, 112, 491-497.	1.4	1
8	Superconducting order parameter and bosonic mode in hydrogen-substituted <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NdFeAsO</mml:mi><mml:mrow><mml:mn mathvariant="normal">H</mml:mi><mml:mrow><mml:mn>0.36</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> revealed by multiple-Andreev-reflection spectroscopy. Physical Review B, 2019, 100, .	3.2	10
9	Characteristics of superconducting subsystems in magnesium diborides and iron oxypnictides from data on spectroscopy of multiple Andreev reflections. Low Temperature Physics, 2019, 45, 1161-1171.	0.6	2
10	Changes in Critical Parameters of GdBa 2 Cu 3 O 7â˜' x HTSâ€2G Due to Swiftâ€Ion Irradiation. Physica Status Solidi (B): Basic Research, 2019, 256, 1800255.	1.5	3
11	Structure and Anisotropy of the Superconducting Order Parameter in Ba0.65K0.35Fe2As2 Probed by Andreev Spectroscopy. JETP Letters, 2018, 107, 42-47.	1.4	3
12	Magnetic, superconducting and electron-boson properties of GdO(F)FeAs oxypnictides. Physica B: Condensed Matter, 2018, 536, 793-797.	2.7	1
13	Superconducting gap symmetry in the superconductor BaFe1.9Ni0.1As2. Physical Review B, 2018, 97, .	3.2	5
14	Evolution of superconducting gaps in Th-substituted <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sm</mml:mi><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> studied by multiple Andreev reflection spectroscopy. Physical Review B, 2017, 95, .	3.2	20
15	Evidence of a multiple boson emission in Sm 1â˜'x Th x OFeAs. Europhysics Letters, 2017, 119, 17007.	2.0	5
16	On the structure of the superconducting order parameter in high-temperature Fe-based superconductors. Physics-Uspekhi, 2017, 60, 419-429.	2.2	16
17	Observation of bosonic resonances in GdO1â˜'x F x FeAs by intrinsic multiple Andreev reflection effect spectroscopy. JETP Letters, 2017, 105, 671-676.	1.4	8
18	â€œBreak-junctionâ€•technique in application to layered superconductors (Review Article). Low Temperature Physics, 2016, 42, 1008-1027.	0.6	33

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19	Direct evidence of two superconducting gaps in FeSe0.5Te0.5: SnS-Andreev spectroscopy and the lower critical field. JETP Letters, 2016, 104, 852-858.	1.4	5
20	Vortex Structure and Anisotropic Superconducting Gaps in Ba[Fe(Ni)]2As2. Journal of Superconductivity and Novel Magnetism, 2016, 29, 3059-3064.	1.8	11
21	Intrinsic Multiple Andreev Reflections in Layered Th-Doped Sm1â^'x Th x OFeAs. Journal of Superconductivity and Novel Magnetism, 2016, 29, 673-677.	1.8	4
22	Estimation of Intraband and Interband Relative Coupling Constants from Temperature Dependences of the Order Parameter for Two-Gap Superconductors. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1111-1116.	1.8	10
23	Andreev spectroscopy of iron-based superconductors: temperature dependence of the order parameters and scaling of $ Delta_{m L, S}$ with $ T_{m C}$. Physics-Uspekhi, 2014, 57, 819-827.	2.2	29
24	Multiple andreev reflections spectroscopy of superconducting LiFeAs single crystals: Anisotropy and temperature behavior of the order parameters. JETP Letters, 2014, 98, 722-730.	1.4	22
25	Determination of the electron-phonon coupling constants from the experimental temperature dependences of superconducting gaps in MgB2. JETP Letters, 2014, 99, 295-302.	1.4	17
26	Crystal growth, transport phenomena and two-gap superconductivity in the mixed alkali metal (K_{1â^'z}Na_z)_xFe_{2â^'y}Se₂ iron selenide. CrystEngComm, 2014, 16, 6919-6928.	2.6	15
27	Lower critical field and SNS-Andreev spectroscopy of 122-arsenides: Evidence of nodeless superconducting gap. Physical Review B, 2014, 90, .	3.2	31
28	Doping influence on Sm1 â^' x Th x OFeAs superconducting properties: Observation of the effect of intrinsic multiple Andreev reflections and determination of the superconducting parameters. JETP Letters, 2014, 99, 136-145.	1.4	11
29	Multiple Andreev Reflections Spectroscopy of Two-Gap 1111- and 11 Fe-Based Superconductors. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2867-2871.	1.8	23
30	Multigap Superconductivity in GdFeAsO0.88 Evidenced by SnS-Andreev Spectroscopy. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2661-2664.	1.8	13
31	Experimental study of the intrinsic multiple Andreev reflections effect in GdO(F)FeAs superconductor array junctions. Europhysics Letters, 2013, 102, 67006.	2.0	31
32	Terahertz phonon spectroscopy of doped superconducting cuprates. JETP Letters, 2013, 96, 743-749.	1.4	9
33	Single crystal growth and characterization of tetragonal FeSe1â^'x superconductors. CrystEngComm, 2013, 15, 1989.	2.6	141
34	Study of the Two-Gap Superconductivity in GdO(F)FeAs by ScS-Andreev Spectroscopy. Journal of Physics: Conference Series, 2012, 391, 012138.	0.4	5
35	Investigation of LiFeAs by means of â€œbreak-junctionâ€•technique. JETP Letters, 2012, 95, 537-543.	1.4	13
36	V L Ginzburg and the development of experimental work on high-temperature superconductivity at LPI: 'iron superconductors'. Physics-Uspekhi, 2011, 54, 648-653.	2.2	18

#	Article	IF	Citations
37	Observation of multi-gap superconductivity in GdO(F)FeAs by Andreev spectroscopy. JETP Letters, 2011, 93, 94-98.	1.4	18
38	Andreev spectroscopy of FeSe: Evidence for two-gap superconductivity. Journal of Experimental and Theoretical Physics, 2011, 113, 459-467.	0.9	22
39	Extended van Hove singularity, strong electronâ€“phonon interaction and superconducting gap in doped Biâ€2212 single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2072-2075.	0.8	11
40	Andreev spectroscopy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LaFeAsO</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.9< Physical Review B, 2009, 79, .	3.2	34
41	Leggettâ€™s mode in Mg1â^'x AlxB2. JETP Letters, 2007, 85, 46-50.	1.4	14
42	Observation of Leggett's Mode in Mg1-xAlxB2. Materials Research Society Symposia Proceedings, 2006, 946, 1.	0.1	0
43	Investigation of a superconducting Mg1â^'x AlxB2 system by tunneling and microjunction (Andreev) spectroscopies. JETP Letters, 2004, 79, 484-488.	1.4	25