

Svetoslav A Kuzmichev

List of Publications by Year in descending order

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44
all docs

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462
citing authors

#	ARTICLE	IF	CITATIONS
1	Single crystal growth and characterization of tetragonal FeSe_{1-x} superconductors. CrystEngComm, 2013, 15, 1989.	2.6	141
2	Andreev spectroscopy of LaFeAsO_{1-x} superconductors. Physical Review B, 2009, 79, .	2.0	31
3	â€œBreak-junctionâ€ technique in application to layered superconductors (Review Article). Low Temperature Physics, 2016, 42, 1008-1027.	0.6	33
4	Experimental study of the intrinsic multiple Andreev reflections effect in $\text{GdO}(\text{F})\text{FeAs}$ superconductor array junctions. Europhysics Letters, 2013, 102, 67006.	2.0	31
5	Lower critical field and SNS-Andreev spectroscopy of 122-arsenides: Evidence of nodeless superconducting gap. Physical Review B, 2014, 90, .	3.2	31
6	Andreev spectroscopy of iron-based superconductors: temperature dependence of the order parameters and scaling of $\Delta_{L,S}$ with T_C . Physics-Uspexhi, 2014, 57, 819-827.	2.2	29
7	Investigation of a superconducting $\text{Mg}_{1-x}\text{AlxB}_2$ system by tunneling and microjunction (Andreev) spectroscopies. JETP Letters, 2004, 79, 484-488.	1.4	25
8	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
9	Andreev spectroscopy of FeSe: Evidence for two-gap superconductivity. Journal of Experimental and Theoretical Physics, 2011, 113, 459-467.	0.9	22
10	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
11	Evolution of superconducting gaps in Th-substituted $\text{Sm}_{1-x}\text{Th}_x\text{FeAs}$ studied by multiple Andreev reflection spectroscopy. Physical Review B, 2017, 95, .	0.9	1
12	V L Ginzburg and the development of experimental work on high-temperature superconductivity at LPI: 'iron superconductors'. Physics-Uspexhi, 2011, 54, 648-653.	2.2	18
13	Observation of multi-gap superconductivity in $\text{GdO}(\text{F})\text{FeAs}$ by Andreev spectroscopy. JETP Letters, 2011, 93, 94-98.	1.4	18
14	Determination of the electron-phonon coupling constants from the experimental temperature dependences of superconducting gaps in MgB_2 . JETP Letters, 2014, 99, 295-302.	1.4	17
15	On the structure of the superconducting order parameter in high-temperature Fe-based superconductors. Physics-Uspexhi, 2017, 60, 419-429.	2.2	16
16	Crystal growth, transport phenomena and two-gap superconductivity in the mixed alkali metal $(\text{K}_{1-x}\text{Na}_x)\text{Fe}_2\text{Se}_2$ iron selenide. CrystEngComm, 2014, 16, 6919-6928.	2.6	15
17	Leggettâ€™s mode in $\text{Mg}_{1-x}\text{AlxB}_2$. JETP Letters, 2007, 85, 46-50.	1.4	14
18	Investigation of LiFeAs by means of â€œbreak-junctionâ€ technique. JETP Letters, 2012, 95, 537-543.	1.4	13

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19	Multigap Superconductivity in GdFeAsO _{0.88} Evidenced by SnS-Andreev Spectroscopy. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2661-2664.	1.8	13
20	Extended van Hove singularity, strong electron-phonon interaction and superconducting gap in doped Bi ₂ Te ₂ single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2072-2075.	0.8	11
21	Doping influence on Sm _{1-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
22	Vortex Structure and Anisotropic Superconducting Gaps in Ba[Fe(Ni)] ₂ As ₂ . Journal of Superconductivity and Novel Magnetism, 2016, 29, 3059-3064.	1.8	11
23	Amplitudes of minima in dynamic conductance spectra of the SNS Andreev contact. Journal of Applied Physics, 2020, 128, 013901.	2.5	11
24	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
25	Superconducting order parameter and bosonic mode in hydrogen-substituted NdFeAsO _H revealed by multiple-Andreev-reflection spectroscopy. Physical Review B, 2019, 100, .	3.9	10
26	Multiple Andreev Reflection Spectroscopy of Optimally Doped Ba(Fe, Ni) ₂ As ₂ Superconducting Pnictides. JETP Letters, 2020, 112, 786-792.	1.4	10
27	Terahertz phonon spectroscopy of doped superconducting cuprates. JETP Letters, 2013, 96, 743-749.	1.4	9
28	Observation of bosonic resonances in GdO _{1-x} F _x FeAs by intrinsic multiple Andreev reflection effect spectroscopy. JETP Letters, 2017, 105, 671-676.	1.4	8
29	Experimental Evidence of Three-Gap Superconductivity in LiFeAs. JETP Letters, 2020, 111, 350-356.	1.4	8
30	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
31	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
32	Direct evidence of two superconducting gaps in FeSe _{0.5} Te _{0.5} : SnS-Andreev spectroscopy and the lower critical field. JETP Letters, 2016, 104, 852-858.	1.4	5
33	Evidence of a multiple boson emission in Sm _{1-x} Th _x OFeAs. Europhysics Letters, 2017, 119, 17007.	2.0	5
34	Superconducting gap symmetry in the superconductor BaFe _{1.9} Ni _{0.1} As ₂ . Physical Review B, 2018, 97, .	3.2	5
35	Superconducting order parameters in overdoped BaFe _{1.86} revealed by multiple Andreev reflection spectroscopy of planar break junctions. Physical Review B, 2021, 104, .	3.2	5
36	Intrinsic Multiple Andreev Reflections in Layered Th-Doped Sm _{1-x} Th _x OFeAs. Journal of Superconductivity and Novel Magnetism, 2016, 29, 673-677.	1.8	4

#	ARTICLE	IF	CITATIONS
37	Structure and Anisotropy of the Superconducting Order Parameter in Ba _{0.65} K _{0.35} Fe ₂ As ₂ Probed by Andreev Spectroscopy. JETP Letters, 2018, 107, 42-47.	1.4	3
38	Changes in Critical Parameters of GdBa ₂ Cu ₃ O _{7-δ} x HTS \approx 2G Due to Swift μ on Irradiation. Physica Status Solidi (B): Basic Research, 2019, 256, 1800255.	1.5	3
39	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
40	Magnetic, superconducting and electron-boson properties of GdO(F)FeAs oxypnictides. Physica B: Condensed Matter, 2018, 536, 793-797.	2.7	1
41	Multiple-Band Andreev Transport in Optimally Doped Superconducting Oxypnictides. JETP Letters, 2020, 112, 491-497.	1.4	1
42	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
43	Observation of Leggett's Mode in Mg _{1-x} Al _x B ₂ . Materials Research Society Symposia Proceedings, 2006, 946, 1.	0.1	0