

Alexander D Shengelaya

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Celebrating 95th Birthday of K. Alex Müller. Journal of Superconductivity and Novel Magnetism, 2022, 35, 1727-1728.	0.8	0
2	Coulomb Interaction Engineering at YBa ₂ Cu ₃ O _{7-δ} /SrTiO ₃ Interface. Journal of Superconductivity and Novel Magnetism, 2022, 35, 1801-1805.	0.8	0
3	Copper (II) Ion Action on Soil Bacteria. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	5
4	Signatures of Filamentary Superconductivity up to 94 K in Tungsten Oxide WO _{2.90} . Journal of Superconductivity and Novel Magnetism, 2020, 33, 301-306.	0.8	16
5	Magnetic and magnetoelectric properties of Y-type Ba _{0.6} Sr _{1.4} Zn ₂ Fe ₁₂ O ₂₂ hexaferrite single crystal. Journal of Magnetism and Magnetic Materials, 2020, 498, 166177.	1.0	3
6	Suppression of the s-Wave Order Parameter Near the Surface of the Infinite-Layer Electron-Doped Cuprate Superconductor Sr _{0.9} La _{0.1} CuO ₂ . Condensed Matter, 2020, 5, 50.	0.8	4
7	Unconventional Transport Properties of Reduced Tungsten Oxide WO _{2.9} . Condensed Matter, 2020, 5, 63.	0.8	3
8	Superconductivity in Oxides Generated by Percolating Electron or Hole Bipolarons. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3-6.	0.8	4
9	Study of Superconductivity in YBa ₂ Cu ₃ O _{7-x} /SrTiO ₃ Composites. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3121-3124.	0.8	2
10	Magnetism in semiconducting molybdenum dichalcogenides. Science Advances, 2018, 4, eaat3672.	4.7	92
11	Bismuth iron garnet Bi ₃ Fe ₅ O ₁₂ : A room temperature magnetoelectric material. Applied Physics Letters, 2017, 110, .	1.5	33
12	Nonthermal effects in photostimulated solid state reaction of Mn doped SrTiO ₃ . Journal of Applied Physics, 2017, 121, .	1.1	4
13	Signatures of the topological s + d superconducting order parameter in the type-II Weyl semimetal Td-MoTe ₂ . Nature Communications, 2017, 8, 1082.	5.8	101
14	Complementary Response of Static Spin-Stripe Order and Superconductivity to Nonmagnetic Impurities in Cuprates. Physical Review Letters, 2017, 119, 087002.	2.9	8
15	Bismuth iron garnet Bi ₃ Fe ₅ O ₁₂ : A room temperature magnetoelectric material. , 2017, , .		0
16	Cooperative coupling of static magnetism and bulk superconductivity in the stripe phase of $\text{La}_{1-x}\text{BaxCuO}_4$: Pressure- and doping-dependent studies. Physical Review B, 2016, 94, .		
17	Control of p-type conduction in Mg doped monophase CuCrO ₂ thin layers. Journal Physics D: Applied Physics, 2016, 49, 205107.	1.3	20
18	Oxygen isotope effects on lattice properties of $\text{La}_{2-x}\text{BaxCuO}_4$ (x=1/8). Physical Review B, 2015, 92, .	1.1	3

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19	Thermodynamic analysis of defect formation in BiFeO ₃ . Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 117-119.	0.8	3
20	The intrinsic heterogeneity of superconductivity in the cuprates. Europhysics Letters, 2015, 109, 27001.	0.7	22
21	Direct evidence for a pressure-induced nodal superconducting gap in the Ba _{0.65} Rb _{0.35} Fe ₂ As ₂ superconductor. Nature Communications, 2015, 6, 8863.	5.8	36
22	Negative Oxygen Isotope Effect on the Static Spin Stripe Order in Superconducting La _{2-x} Bi _{2x} FeAs ₂ . Physical Review Letters, 2014, 113, 057002.	2.9	13
23	Rapid Solid-State Synthesis of Oxides by Means of Irradiation with Light. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2987-2991.	0.8	6
24	Nonlinear pressure dependence of T _c in almost multiferroic EuTiO ₃ . Journal of Physics Condensed Matter, 2013, 25, 376002.	0.7	10
25	Muon-Spin Rotation and Magnetization Studies of Chemical and Hydrostatic Pressure Effects in EuFe ₂ (As _{1-x} P _x) ₂ . Journal of Superconductivity and Novel Magnetism, 2013, 26, 285-295.	0.8	16
26	Dielectricly Enhanced T _c in Underdoped Cuprates. Journal of Superconductivity and Novel Magnetism, 2013, 26, 491-493.	0.8	7
27	Effect of pressure on the Cu and Pr magnetism in Nd _{1-x} Pr _x Ba ₂ Cu ₃ O _{7-δ} investigated by muon spin rotation. Physical Review B, 2013, 87, .	1.1	6
28	Tuning the static spin-stripe phase and superconductivity in La _{2-x} Ba _x CuO ₄ (x = 1/8) by hydrostatic pressure. New Journal of Physics, 2013, 15, 093005.	1.2	20
29	Hybrid paramagnon phonon modes at elevated temperatures in EuTiO ₃ . New Journal of Physics, 2012, 14, 093013.	1.2	22
30	Spin excitations and electron paramagnetic resonance in two-layer antiferromagnetic system Y _{1-x} Yb _x Ba ₂ Cu ₃ O _{6+y} . Journal of Physics: Conference Series, 2012, 394, 012014.	0.3	1
31	Phase diagram of Sr _{1-x} Y _x FeAs ₂ by Eu doping: The phase diagram of Sr _{1-x} Y _x FeAs ₂ by Eu doping. Physical Review B, 2012, 85, 040407.	1.1	34
32	Magnetoelectric Coupling in Single Crystal Cu ₂ OSeO ₃ by a Novel Electron Spin Resonance Technique. Physical Review Letters, 2012, 108, 247211.	2.9	31
33	Muon Spin Rotation Study of the Intercalated Graphite Superconductor CaC ₆ at Low Temperatures. Journal of Superconductivity and Novel Magnetism, 2012, 25, 159-163.	0.8	1
34	Lattice dynamics and anomalous softening in the YbFe ₄ Sb ₁₂ skutterudite. Physical Review B, 2011, 84, .	1.1	10
35	Anisotropic magnetic order of the Eu sublattice in single crystals of EuFe _{2-x} CoxAs ₂ (x=0,0.2) studied by means of magnetization and magnetic torque. Physical Review B, 2011, 84, .	1.1	25
36	Muon spin rotation investigation of the pressure effect on the magnetic penetration depth in YBa ₂ Cu ₃ O _{7-x} . Physical Review B, 2011, 84, .	1.1	29

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37	Strong coupling between Eu ²⁺ spins and FeAs ₂ layers in EuFe _{1.9} Co _{0.1} As ₂ observed with NMR. Physical Review B, 2011, 83, . Mu ⁺ -spin rotation measurements of the magnetic penetration depth in the iron-based superconductor Ba _{1-x} Bi _x Fe ₂ As ₂ . Physical Review B, 2010, 82, .	1.1	24
38	Field-dependent superfluid density in the optimally doped SmFeAsO _{1-x} F _y superconductor. Europhysics Letters, 2010, 91, 47005.	1.1	3
39	Comparison of different methods for analyzing $\frac{1}{4}$ SR line shapes in the vortex state of type-II superconductors. Journal of Physics Condensed Matter, 2009, 21, 075701.	0.7	7
40	Comparative study of the pressure effects on the magnetic penetration depth in electron- and hole-doped cuprate superconductors. Journal of Physics Condensed Matter, 2009, 21, 275701.	0.7	3
41	Probing the Yb ³⁺ spin relaxation in Y _{0.98} Yb _{0.02} Ba ₂ Cu ₃ O _x by electron paramagnetic resonance. Physical Review B, 2009, 79, . Controlled oxygen vacancies and space correlation with Cr ₃ SrTiO ₃ . Physical Review B, 2009, 80, .	1.1	9
42	s-Wave Symmetry Along the c-Axis and s+d In-plane Superconductivity in Bulk YBa ₂ Cu ₄ O ₈ . Journal of Superconductivity and Novel Magnetism, 2008, 21, 81-85.	1.1	38
43	Evidence of nodeless superconductivity in FeSe. A mu ⁺ -spin-rotation study of the in-plane magnetic penetration depth. Physical Review B, 2008, 78, .	0.8	46
44	Oxygen Isotope Effects on the Superconducting Transition and Magnetic States Within the Phase Diagram of Y _{1-x} Pr _x Ba ₂ Cu ₃ O _{7-δ} . Physical Review Letters, 2008, 101, 077001.	2.9	41
45	Detection of charge transfer processes in Cr-doped SrTiO ₃ single crystals. Applied Physics Letters, 2008, 93, 022102.	1.5	26
46	Nodeless superconductivity in the infinite-layer electron-doped cuprate superconductor Sr _{1-x} Nb _x B ₂ . Physical Review B, 2008, 77, . Correlation between the transition temperature and the superfluid density in BCS superconductor NbB ₂ . Physical Review B, 2008, 77, .	1.1	24
47	Mu ⁺ -spin rotation measurements of the penetration depth of the Mo ₃ Sb ₇ Fe superconductor. Physical Review B, 2008, 78, .	1.1	36
48	Mixed order parameter symmetries in cuprate superconductors. Europhysics Letters, 2007, 77, 27002.	0.7	30
49	Magnetic-field dependence of the oxygen isotope effect on the magnetic penetration depth of hole-doped cuprate superconductors. Physical Review B, 2007, 75, .	1.1	12
50	Experimental Evidence for Two Gaps in the High-Temperature La _{1.83} Sr _{0.17} CuO ₄ Superconductor. Physical Review Letters, 2007, 98, 057007.	2.9	141

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55	Two-Gap Superconductivity in the Cuprate Superconductor $\text{La}_{1.83}\text{Sr}_{0.17}\text{CuO}_4$. , 2007, , 177-190.		2
56	Electronic Phase Separation and Unusual Isotope Effects in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ Observed by Electron Paramagnetic Resonance. , 2007, , 287-302.		1
57	Correlation between oxygen isotope effects on transition temperature and magnetic penetration depth in high-temperature superconductors close to optimal doping. <i>Physical Review B</i> , 2006, 74, .	1.1	19
58	Muon-Spin-Rotation Measurements of the Penetration Depth of the Infinite-Layer Electron-Doped $\text{Sr}_{0.9}\text{La}_{0.1}\text{CuO}_2$ Cuprate Superconductor. <i>Physical Review Letters</i> , 2005, 94, 127001.	2.9	42
59	Magnetic penetration depth in RbOs_2O_6 studied by muon spin rotation. <i>Physical Review B</i> , 2005, 72, .	1.1	39
60	The oxygen isotope effect on the in-plane penetration depth in cuprate superconductors. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S4439-S4455.	0.7	42
61	Pressure Effects on the Transition Temperature and the Magnetic Field Penetration Depth in the Pyrochlore Superconductor RbOs_2O_6 . <i>Physical Review Letters</i> , 2004, 93, 157004.	2.9	43
62	Anisotropy and internal-field distribution of MgB_2 in the mixed state at low temperatures. <i>Physical Review B</i> , 2004, 70, .	1.1	27
63	Absence of a boron isotope effect in the magnetic penetration depth of MgB_2 . <i>Physical Review B</i> , 2004, 70, .	1.1	16
64	Metallic Phase in Lightly Doped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ Observed by Electron Paramagnetic Resonance. <i>Physical Review Letters</i> , 2004, 93, .	2.9	34
65	Coexistence of magnetism and superconductivity in $\text{Eu}_{1.4}\text{Ce}_{0.6}\text{RuSr}_2\text{Cu}_2\text{O}_{10}$: A muon spin rotation and magnetization study. <i>Physical Review B</i> , 2004, 69, .	1.1	38
66	On the effect of heterovalent substitutions in ruthenocuprates. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 387, 33-39.	0.6	23
67	Site-selective oxygen isotope effect on the magnetic-field penetration depth in underdoped $\text{Y}_{0.6}\text{Pr}_{0.4}\text{Ba}_2\text{Cu}_3\text{O}_7$. <i>Physical Review B</i> , 2003, 68, .	1.1	35
68	Three-Spin-Polarons and Their Elastic Interaction in Cuprates. <i>Modern Physics Letters B</i> , 2003, 17, 415-421.	1.0	15
69	The oxygen-isotope effect on the in-plane penetration depth in underdoped $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_7$ as revealed by muon-spin rotation. <i>Journal of Physics Condensed Matter</i> , 2003, 15, L17-L23.	0.7	31
70	^{25}Mg NMR study of the MgB_2 superconductor. <i>Physical Review B</i> , 2002, 65, .	1.1	21
71	On the magnetic and superconducting properties of $\text{Ru}_{1-x}\text{Sr}_2\text{RECu}_{2+x}\text{O}_{8+d}$, RE=Gd, Eu, compounds. <i>Journal of Applied Physics</i> , 2002, 91, 7134.	1.1	2
72	Superconductivity and Magnetism in Pure and Substituted $\text{RuSr}_2\text{GdCu}_2\text{O}_8$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2002, 15, 439-445.	0.5	3

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73	Magnetism and Superconductivity in $Ru_{1-x}Sr_2RECu_{2+x}O_{8-d}$ (RE=Gd, Eu) and $RuSr_2Gd_{1-y}Ce_yCu_2O_8$ Compounds. Lecture Notes in Physics, 2002, , 176-193.	0.3	0
74	Magnetic properties of $RuSr_2RECu_2O_8$ (RE=Gd, Eu) and $Ru_{1-x}Sr_2GdCu_{2+x}O_{8-y}$ superconductors. Physica C: Superconductivity and Its Applications, 2001, 364-365, 313-319.	0.6	32
75	Tilting mode relaxation in the electron paramagnetic resonance of oxygen-isotope-substituted $La_{2-x}Sr_xCuO_4:Mn^{2+}$. Physical Review B, 2001, 63, .	1.1	22
76	Title is missing!. Journal of Superconductivity and Novel Magnetism, 2000, 13, 955-958.	0.5	6
77	Muon-spin rotation study of the magnetic correlations in $La_{2-x}Ca_{1+x}Cu_2O_{6+d}$ superconductors. Journal of Applied Physics, 2000, 87, 5558-5560.	1.1	1
78	EPR in $La_{1-x}Ca_xMnO_3$: Relaxation and bottleneck. Physical Review B, 2000, 61, 5888-5890.	1.1	139
79	Oxygen Isotope Effects in the Manganates and Cuprates Studied by Electron Paramagnetic Resonance. Lecture Notes in Physics, 2000, , 91-99.	0.3	1
80	Giant Oxygen Isotope Effect on the Spin Glass Transition in $La_{2-x}Sr_xCu_{1-z}Mn_zO_4$ as Revealed by Muon Spin Rotation. Physical Review Letters, 1999, 83, 5142-5145.	2.9	22
81	EPR study on higher oxygen pressure synthesized compound $Pr_{2-x}Gd_xCuO_4$. Solid State Communications, 1999, 110, 147-152.	0.9	4
82	Electron spin resonance and magnetic susceptibility suggest superconductivity in Na doped WO samples. European Physical Journal B, 1999, 12, 13-15.	0.6	68
83	Electron spin-lattice relaxation of Er^{3+} -ions in $Y_{0.99}Er_{0.01}Ba_2Cu_3O_x$. Physica C: Superconductivity and Its Applications, 1998, 307, 61-66.	0.6	18
84	Muon-spin-rotation measurements of the penetration depth in the $YBa_2Cu_4O_8$ family of superconductors. Physical Review B, 1998, 58, 3457-3461.	1.1	12
85	Spontaneous Magnetization and Antiferromagnetic Correlations of the CuO_2 Chains in $Sr_{0.73}CuO_2$. Physical Review Letters, 1998, 80, 3626-3629.	2.9	33
86	EPR evidence for Jahn-Teller polarons in $La_{1-x}Ca_xMnO_{3+y}$. Physica C: Superconductivity and Its Applications, 1997, 282-287, 190-193.	0.6	7
87	Novel crossover from a metallic to an insulating ground-state in $(La_{0.5}Nd_{0.5})_{0.67}Ca_{0.33}MnO_3$ by increasing the oxygen mass. Solid State Communications, 1997, 104, 57-61.	0.9	48
88	EPR Evidence of Jahn-Teller Polaron Formation in $La_{1-x}Ca_xMnO_{3+y}$. Physical Review Letters, 1996, 77, 5296-5299.	2.9	224
89	Hydrogen-induced phase separation in $La_{1.89}Sr_{0.11}CuO_4$ as revealed by EPR of Fe spin probes. Solid State Communications, 1996, 99, 779-782.	0.9	4
90	Phase separation of hydrogenated $La_{2-x}Sr_xCu(Fe)O_4$. Physical Review B, 1995, 51, 8641-8644.	1.1	7

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91	Density of states and magnetic correlations in the $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ system studied by EPR of Fe spin probes. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 233, 124-130.	0.6	7
92	Effect of hydrogen on the transition temperature in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ high- T_c superconductors from underdoped to overdoped regimes. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 226, 147-152.	0.6	6
93	Microwave absorption in non- and hydrogenated $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ high- T_c superconductor. <i>Solid State Communications</i> , 1994, 89, 875-878.	0.9	5