

Michael Sadvskii

List of Publications by Year in descending order

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126
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279798

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142
all docs

142
docs citations

142
times ranked

1314
citing authors

#	ARTICLE	IF	CITATIONS
1	Hall Effect in a Doped Mott Insulator: DMFT Approximation. JETP Letters, 2022, 115, 402-405.	1.4	5
2	Superconducting Transition Temperature for Very Strong Coupling in the Antiadiabatic Limit of Eliashberg Equations. JETP Letters, 2021, 113, 581-585.	1.4	1
3	Planckian relaxation delusion in metals. Physics-Uspexhi, 2021, 64, 175-190.	2.2	10
4	Antiadiabatic Phonons and Superconductivity in Eliashbergâ€“McMillan Theory. Journal of Superconductivity and Novel Magnetism, 2020, 33, 19-26.	1.8	8
5	Ginzburg-Landau Expansion and the Upper Critical Field in the Disordered Attractive Hubbard Model (Brief Review). JETP Letters, 2020, 112, 555-567.	1.4	1
6	On the Planckian Limit for Inelastic Relaxation in Metals. JETP Letters, 2020, 111, 188-192.	1.4	4
7	Electronâ€“Phonon Coupling in Eliashbergâ€“McMillan Theory Beyond Adiabatic Approximation. Journal of Experimental and Theoretical Physics, 2019, 128, 455-463.	0.9	11
8	Antiadiabatic Phonons, Coulomb Pseudopotential, and Superconductivity in Eliashbergâ€“McMillan Theory. JETP Letters, 2019, 109, 166-170.	1.4	14
9	In memory of Yurii Moiseevich Kagan. Physics-Uspexhi, 2019, 62, 943-944.	2.2	0
10	Temperature Dependence of Paramagnetic Critical Magnetic Field in Disordered Attractive Hubbard Model. Journal of Experimental and Theoretical Physics, 2018, 127, 753-760.	0.9	2
11	Yurii Moiseevich Kagan (on his 90th birthday). Physics-Uspexhi, 2018, 61, 714-716.	2.2	0
12	Electronic Structure of FeSe Monolayer Superconductors: Shallow Bands and Correlations. Journal of Experimental and Theoretical Physics, 2018, 126, 485-496.	0.9	18
13	On the origin of the shallow and â€œreplicaâ€œbands in FeSe monolayer superconductors. JETP Letters, 2017, 105, 370-374.	1.4	16
14	Ginzburgâ€“Landau expansion in BCSâ€“BEC crossover region of disordered attractive Hubbard model. Low Temperature Physics, 2017, 43, 17-26.	0.6	4
15	Ginzburgâ€“Landau expansion in strongly disordered attractive Andersonâ€“Hubbard model. Journal of Experimental and Theoretical Physics, 2017, 125, 111-122.	0.9	2
16	Temperature Dependence of the Upper Critical Field in Disordered Hubbard Model with Attraction. Journal of Experimental and Theoretical Physics, 2017, 125, 1127-1136.	0.9	4
17	High-temperature superconductivity in FeSe monolayers. Physics-Uspexhi, 2016, 59, 947-967.	2.2	29
18	Electronic structure of FeSe monolayer superconductors. Low Temperature Physics, 2016, 42, 891-899.	0.6	27

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19	Gennadii Andreevich Mesyats (on his 80th birthday). Physics-Usppekhi, 2016, 59, 211-213.	2.2	0
20	Electronic Structure of NaFeAs Superconductor: LDA + DMFT Calculations Compared with ARPES Experiment. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1117-1122.	1.8	4
21	Attractive Hubbard model: Homogeneous Ginzburg-Landau expansion and disorder. Journal of Experimental and Theoretical Physics, 2016, 122, 375-383.	0.9	4
22	DMFT approach to disordered hubbard model. Journal of Experimental and Theoretical Physics, 2016, 122, 509-524.	0.9	5
23	Attractive Hubbard Within the Generalized DMFT: Normal State Properties, Disorder Effects and Superconductivity. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1097-1103.	1.8	0
24	Special Issue on the Fundamental Problems of High-Temperature Superconductivity. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1033-1034.	1.8	1
25	Electronic structure of NaFeAs superconductor: LDA+DMFT calculations compared to the ARPES experiment. JETP Letters, 2015, 102, 26-31.	1.4	18
26	Attractive Hubbard model with disorder and the generalized Anderson theorem. Journal of Experimental and Theoretical Physics, 2015, 120, 1055-1063.	0.9	10
27	Electronic and magnetic properties of the new iron-based superconductor $[\text{Li}_{1-x}\text{Fe}_x\text{OH}]\text{FeSe}$. JETP Letters, 2015, 101, 47-50.	1.4	7
28	Normal phase and superconducting instability in the attractive Hubbard model: a DMFT(NRG) study. Journal of Experimental and Theoretical Physics, 2014, 119, 264-271.	0.9	15
29	Electronic structure of new iron-based superconductors: From pnictides to chalcogenides and other similar systems. JETP Letters, 2014, 99, 598-612.	1.4	17
30	Disorder effects in the BCS-BEC crossover region of the attractive Hubbard model. JETP Letters, 2014, 100, 192-196.	1.4	10
31	Consistent LDA+DMFT approach to the electronic structure of transition metal oxides: Charge transfer insulators and correlated metals. Journal of Experimental and Theoretical Physics, 2013, 116, 620-634.	0.9	25
32	LDA+DMFT investigation of electronic structure of $\text{K}_{1-x}\text{Fe}_x\text{Se}_2$ superconductor. JETP Letters, 2013, 97, 15-19.	1.4	11
33	Doping dependence of correlation effects in $\text{K}_{1-x}\text{Fe}_x\text{Se}_2$ superconductors: LDA+DMFT investigation. Journal of Experimental and Theoretical Physics, 2013, 117, 926-932.	0.9	7
34	Comparative study of electronic structure of new superconductors $(\text{Sr}, \text{Ca})\text{Pd}_2\text{As}_2$ and related compound BaPd_2As_2 . JETP Letters, 2013, 98, 24-27.	1.4	5
35	Iron based superconductors: Pnictides versus chalcogenides. Journal of Magnetism and Magnetic Materials, 2012, 324, 3481-3486.	2.3	38
36	Consistent LDA+DMFT an unambiguous way to avoid double counting problem: NiO test. JETP Letters, 2012, 95, 581-585.	1.4	32

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37	Electronic structure of new multiple band Pt-pnictide superconductors APt ₃ P. JETP Letters, 2012, 96, 227-230.	1.4	20
38	Generalized dynamical mean-field theory in the physics of strongly correlated systems. Physics-Usppekhi, 2012, 55, 325-355.	2.2	40
39	Electronic and magnetic structure of a possible iron based superconductor BaFe ₂ Se ₃ . JETP Letters, 2012, 95, 33-37.	1.4	28
40	Electronic structure of two-dimensional hexagonal diselenides: Charge density waves and pseudogap behavior. Journal of Experimental and Theoretical Physics, 2012, 114, 671-680.	0.9	11
41	Electronic structure, topological phase transitions and superconductivity in (K, Cs) x Fe ₂ Se ₂ . JETP Letters, 2011, 93, 166-169.	1.4	48
42	Pseudogap phase of high-T _c compounds described within the LDA+DMFT+ $\hat{I}\hat{\Sigma}$ approach. Journal of Physics and Chemistry of Solids, 2011, 72, 371-375.	4.0	6
43	Interplay of electron-phonon interaction and strong correlations: DMFT+ $\hat{I}\hat{\Sigma}$ approach. Journal of Physics and Chemistry of Solids, 2011, 72, 366-370.	4.0	5
44	In memory of Yurii Aleksandrovich Izyumov. Physics-Usppekhi, 2011, 54, 323-324.	2.2	0
45	In memory of Evgenii Grigorievich Maksimov. Physics-Usppekhi, 2011, 54, 1195-1197.	2.2	0
46	Leonid Veniaminovich Keldysh (on his 80th birthday). Physics-Usppekhi, 2011, 54, 435-437.	2.2	0
47	Ginzburg as he is in my memory. Herald of the Russian Academy of Sciences, 2010, 80, 569-577.	0.6	0
48	Two-dimensional Anderson-Hubbard model in the DMFT + $\hat{I}\hat{\Sigma}$ approximation. Journal of Experimental and Theoretical Physics, 2010, 110, 325-335.	0.9	13
49	ARPES spectral functions and Fermi surface for La _{1.86} Sr _{0.14} CuO ₄ compared with LDA + DMFT + $\hat{I}\hat{\Sigma}$ calculations. Journal of Experimental and Theoretical Physics, 2010, 110, 989-994.	0.9	4
50	In the memory of Boris Andreevich Volkov. Semiconductors, 2010, 44, 269-270.	0.5	0
51	Multiple bands – A key to high-temperature superconductivity in iron arsenides?. Physica C: Superconductivity and Its Applications, 2010, 470, S418-S419.	1.2	5
52	Anion height dependence of T _c and the density of states in iron-based superconductors. JETP Letters, 2010, 91, 518-522.	1.4	40
53	Electronic structure and possible pseudogap behavior in iron based superconductors. JETP Letters, 2010, 91, 660-664.	1.4	3
54	Electronic structure of novel multiple-band superconductor SrPt ₂ As ₂ . JETP Letters, 2010, 92, 751-755.	1.4	17

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55	Interplay of electron-phonon interaction and strong correlations: DMFT approach. Physical Review B, 2009, 80, .	3.2	16
56	Multiple bands: A key to high-temperature superconductivity in iron arsenides?. JETP Letters, 2009, 89, 156-160.	1.4	15
57	Electronic structure of Pr via ARPES and . Physical Review B, 2009, 80, .	3.2	22
58	Comparative study of electron- and hole-doped high-T _c compounds in pseudogap regime: LDA+DMFT+ $\hat{\xi}$ k approach. Journal of Physics and Chemistry of Solids, 2008, 69, 3269-3273.	4.0	6
59	High-temperature superconductivity in iron-based layered iron compounds. Physics-Uspexhi, 2008, 51, 1201-1227.	2.2	217
60	Mott-Hubbard transition and Anderson localization: A generalized dynamical mean-field theory approach. Journal of Experimental and Theoretical Physics, 2008, 106, 581-596.	0.9	22
61	The optical sum rule in strongly correlated systems. Journal of Experimental and Theoretical Physics, 2008, 107, 281.	0.9	1
62	Origin of "Hot Spots" in the pseudogap regime of Nd _{1.85} Ce _{0.15} CuO ₄ : An LDA + DMFT + $\hat{\xi}$ k study. Journal of Experimental and Theoretical Physics, 2008, 107, 828-838.	0.9	7
63	High-temperature superconductivity in transition metal oxypnictides: A rare-earth puzzle?. JETP Letters, 2008, 87, 560-564.	1.4	58
64	Electronic structure of prototype AFe ₂ As ₂ and ReOFeAs high-temperature superconductors: A comparison. JETP Letters, 2008, 88, 144-149.	1.4	102
65	Reconstruction of the Fermi surface in the pseudogap state of cuprates. JETP Letters, 2008, 88, 192-196.	1.4	18
66	Electronic structure of new LiFeAs high-T _c superconductor. JETP Letters, 2008, 88, 543-545.	1.4	65
67	Electronic structure of new AFeAs prototype of iron arsenide superconductors. JETP Letters, 2008, 88, 679-682.	1.4	16
68	Evgenii Grigorievich Maksimov (on his 70th birthday). Physics-Uspexhi, 2008, 51, 1087-1088.	2.2	0
69	Pseudogaps in strongly correlated metals: Optical conductivity within the generalized dynamical mean-field theory approach. Physical Review B, 2007, 75, .	3.2	30
70	Pseudogap in normal underdoped phase of Bi ₂ 2212: LDA+DMFT+ $\hat{\xi}$ k. Physica C: Superconductivity and Its Applications, 2007, 460-462, 997-999.	1.2	3
71	Destruction of the Fermi surface due to pseudogap fluctuations in correlated systems. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1084-1085.	1.2	2
72	Pseudogap behavior in Bi ₂ Ca ₂ SrCu ₂ O ₈ : Results of the generalized dynamical mean-field approach. Journal of Experimental and Theoretical Physics, 2007, 104, 792-804.	0.9	7

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73	Electron-Phonon Interaction. , 2006, , 71-99.		0
74	E. P. Kruglyakov, Highway "Scientists" (Nauka, Moscow, 2006), 335 pp. [in Russian]. Herald of the Russian Academy of Sciences, 2006, 76, 598-599.	0.6	0
75	Non-Fermi-liquid behavior in the fluctuating gap model: From the pole to a zero of the Green's function. Journal of Experimental and Theoretical Physics, 2006, 103, 415-427.	0.9	16
76	Title is missing!. Physics-Uspekhi, 2006, 49, 219.	2.2	0
77	Pseudogaps: introducing the length scale into dynamical mean-field theory. Low Temperature Physics, 2006, 32, 398-405.	0.6	21
78	Electron-Electron Interaction. , 2006, , 17-69.		0
79	Electronic Instabilities and Phase Transitions. , 2006, , 241-331.		0
80	Electrons in Disordered Systems. , 2006, , 101-176.		0
81	Destruction of the Fermi surface due to pseudogap fluctuations in strongly correlated systems. JETP Letters, 2005, 82, 198-203.	1.4	48
82	Pseudogaps in strongly correlated metals: A generalized dynamical mean-field theory approach. Physical Review B, 2005, 72, .	3.2	125
83	Evgenii Akimovich Turov (on his eightieth birthday). Physics-Uspekhi, 2004, 47, 423-424.	2.2	0
84	Superconductivity in the pseudogap state in the hot-spot model: Ginzburg-Landau expansion. Journal of Experimental and Theoretical Physics, 2004, 98, 748-759.	0.9	2
85	Superconductivity in the pseudogap state in the hot spot model: The influence of impurities and the phase diagram. Journal of Experimental and Theoretical Physics, 2004, 99, 1264-1278.	0.9	3
86	Optical conductivity in the "hot spots" model of the pseudogap state. Physica C: Superconductivity and Its Applications, 2004, 408-410, 418-419.	1.2	0
87	Yurii Aleksandrovich Izyumov (on his seventieth birthday). Physics-Uspekhi, 2003, 46, 551-552.	2.2	0
88	In memory of Viktor Iosifovich Belinicher. Physics-Uspekhi, 2002, 45, 101-102.	2.2	0
89	Superconductivity in the exactly solvable model of pseudogap state: The absence of self-averaging. Journal of Experimental and Theoretical Physics, 2002, 94, 654-663.	0.9	3
90	Optical conductivity in a 2D model of the pseudogap state. Journal of Experimental and Theoretical Physics, 2002, 95, 526-537.	0.9	10

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91	Superconductivity in the pseudogap state induced by short-order fluctuations. Journal of Experimental and Theoretical Physics, 2001, 92, 480-492.	0.9	2
92	Superconducting properties of the atomically disordered MgB2 compound. JETP Letters, 2001, 73, 570-572.	1.4	30
93	Models of the pseudogap state in cuprates. Physica C: Superconductivity and Its Applications, 2000, 341-348, 811-814.	1.2	7
94	Superconductivity in a toy model of the pseudogap state. Physica C: Superconductivity and Its Applications, 2000, 341-348, 879-882.	1.2	3
95	Optical conductivity in a simple model of the pseudogap state. Physica C: Superconductivity and Its Applications, 2000, 341-348, 939-940.	1.2	4
96	Superconductivity in a simple model of the pseudogap state. Journal of Experimental and Theoretical Physics, 2000, 90, 535-543.	0.9	4
97	The Ginzburg-Landau expansion in the simple model of a superconductor with a pseudogap. Journal of Experimental and Theoretical Physics, 1999, 88, 347-355.	0.9	8
98	Models of the pseudogap state of two-dimensional systems. Journal of Experimental and Theoretical Physics, 1999, 88, 968-979.	0.9	36
99	Optical conductivity in a simple model of a pseudogap state of a two-dimensional system. JETP Letters, 1999, 69, 483-489.	1.4	3
100	Combinatorial analysis of Feynman diagrams in problems with a Gaussian random field. Journal of Experimental and Theoretical Physics, 1998, 86, 367-374.	0.9	5
101	Disorder effects in superconductors with anisotropic pairing: From Cooper pairs to compact bosons. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1849-1850.	1.2	0
102	Suppression of superconductivity close to the metal-insulator transition in strongly disordered systems. Journal of Experimental and Theoretical Physics, 1997, 85, 104-108.	0.9	0
103	The Ginzburg-Landau expansion and the slope of the upper critical field in superconductors with anisotropic normal-impurity scattering. Journal of Experimental and Theoretical Physics, 1997, 85, 1162-1167.	0.9	5
104	Disordering effects in superconductors with anisotropic pairing: From Cooper pairs to compact bosons. JETP Letters, 1997, 65, 270-275.	1.4	13
105	Ginzburg-Landau expansion and the slope of the upper critical field in disordered superconductors with anisotropic pairing. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1847-1848.	1.2	4
106	Superconductivity and localization. Physics Reports, 1997, 282, 225-348.	25.6	84
107	The Ginzburg-Landau expansion and the slope of the upper critical field in disordered superconductors. JETP Letters, 1996, 63, 358-364.	1.4	14
108	On the theory of s - d pairing superconductors. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2403-2404.	1.2	0

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109	Temperature dependence of the upper critical field in high-temperature superconductors: Localization effects. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2621-2622.	1.2	2
110	NMR and spin-lattice relaxation rate of ^{89}Y , ^{63}Cu in radiation disordered $\text{YBa}_2\text{Cu}_3\text{O}_{6.9}$. Applied Magnetic Resonance, 1992, 3, 649-663.	1.2	4
111	Optical conductivity of high-temperature superconductors: Exact solution for a spin - bag model. Physica C: Superconductivity and Its Applications, 1991, 185-189, 1431-1432.	1.2	3
112	Upper critical field of a superconductor near anderson transition. Physica C: Superconductivity and Its Applications, 1991, 185-189, 1477-1478.	1.2	5
113	Localization effects in high-temperature superconductors. AIP Conference Proceedings, 1990, , .	0.4	0
114	LOCALIZATION EFFECTS IN HIGH-TEMPERATURE SUPERCONDUCTORS. Annals of the New York Academy of Sciences, 1990, 581, 207-216.	3.8	3
115	EFFECTS OF LOCALISATION IN ATOMIC-DISORDERED HIGH- T_c SUPERCONDUCTORS. International Journal of Modern Physics B, 1989, 03, 87-92.	2.0	7
116	Localization effects in disordered high- T_c superconductors. Physica C: Superconductivity and Its Applications, 1989, 162-164, 1019-1020.	1.2	7
117	Effects of Localisation in Atomic-Disordered High- T_c Superconductors. , 1989, , 463-468.		1
118	HIGH T_c STUDIES IN SVERDLOVSK. International Journal of Modern Physics B, 1988, 02, 1331-1379.	2.0	9
119	Anderson localization and superconductivity. Journal of Low Temperature Physics, 1985, 59, 89-113.	1.4	70
120	Self-consistent theory of localization for the Anderson model. European Physical Journal B, 1983, 51, 17-23.	1.5	36
121	Random Bond Ising Model in Self-Avoiding Walk Approximation. Physica Status Solidi (B): Basic Research, 1982, 109, 49-57.	1.5	5
122	Random Site Ising Model in Self-Avoiding Walk Approximation. Physica Status Solidi (B): Basic Research, 1982, 109, 449-456.	1.5	1
123	Electron localization in disordered systems: critical behavior and macroscopic manifestations. Uspekhi Fizicheskikh Nauk, 1981, 24, 96-115.	0.3	20
124	Semiconductor-metal transition in liquid semiconductors. Uspekhi Fizicheskikh Nauk, 1980, 23, 551-575.	0.3	9
125	Superconductivity in spin-glasses. Physica Status Solidi (B): Basic Research, 1979, 95, 59-64.	1.5	8
126	Possibility of Anderson transition in liquid Se and As in the region of high temperatures and pressures. Physics Letters, Section A: General, Atomic and Solid State Physics, 1978, 65, 173-174.	2.1	6