

Vladimir Glushkov

List of Publications by Year in descending order

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144
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citations

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144
all docs

144
docs citations

144
times ranked

725
citing authors

#	ARTICLE	IF	CITATIONS
19	Anomalous charge transport in RB12 (R = Ho, Er, Tm, Lu). Physica Status Solidi (B): Basic Research, 2006, 243, R63-R65.	0.7	21
20	Antiferromagnetic instability and the metal-insulator transition in Tm _{1-x} Yb _x B12 rare earth dodecaborides. JETP Letters, 2009, 89, 256-259.	0.4	21
21	Hall and transverse even effects in the vicinity of a quantum critical point in Tm _{1-x} Yb _x B12. Journal of Experimental and Theoretical Physics, 2012, 115, 509-526.	0.2	21
22	Comments on magnetic phase separation in Europium hexaboride and its relation to the Kondo interaction by T. S. Alshuler et al., Pis'ma Zh. Eksp. Teor. Fiz. 88, 258 (2008) [JETP Lett. 88, 224 (2008)] JETP Letters, 2008, 88, 777-778.	0.4	20
23	Superconductivity in ZrB12 and LuB12 with Various Boron Isotopes. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1663-1667.	0.8	20
24	Charge transport in Ho _x Lu _{1-x} B12: Separating positive and negative magnetoresistance in metals with magnetic ions. Physical Review B, 2015, 91, .	1.1	19
25	Electron spin resonance in EuB6. Physical Review B, 2009, 79, .	1.1	18
26	Magnetic properties of vanadium oxide nanotubes and nanolayers. Physical Review B, 2011, 84, .	1.1	18
27	Spin gap formation in SmB6. Physica B: Condensed Matter, 2006, 378-380, 614-615.	1.3	17
28	Isotope effect in charge transport of LuB12. Journal of Experimental and Theoretical Physics, 2010, 111, 279-284.	0.2	17
29	Anomalous spin relaxation and quantum criticality in Mn _{1-x} Fe _x Si solid solutions. JETP Letters, 2014, 100, 28-31.	0.4	17
30	Enhancement of electron-phonon interactions in the nonequilibrium solid solutions Al _{1-x} Si _x . Physical Review B, 1995, 51, 1112-1116.	1.1	16
31	Spin-polaron transport and magnetic phase diagram of iron monosilicide. Journal of Experimental and Theoretical Physics, 2004, 99, 394-414.	0.2	16
32	Suppression of indirect exchange and symmetry breaking in the antiferromagnetic metal HoB_{12} with dynamic charge stripes. Physical Review B, 2020, 102, .	1.1	16
33	Thermopower of Al _{1-x} Si _x solid solutions in vicinity of lattice instability. Journal of Experimental and Theoretical Physics, 1998, 86, 190-196.	0.2	13
34	Phonon drag induced by Einstein mode in ZrB12. Physica Status Solidi (B): Basic Research, 2006, 243, R72-R74.	0.7	13
35	Ground state formation in a strong hubbard correlation regime in iron monosilicide. Journal of Experimental and Theoretical Physics, 2001, 92, 312-325.	0.2	12
36	Suppression of superconductivity in LuZrB_{12} : Evidence of static magnetic moments induced by nonmagnetic impurities. Physical Review B, 2016, 93, .	1.1	12

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37	Electron transport in carbynes modified under high pressure. JETP Letters, 2003, 78, 511-519.	0.4	11
38	Magnetoresistance and magnetic ordering in praseodymium and neodymium hexaborides. Journal of Experimental and Theoretical Physics, 2009, 109, 815-832.	0.2	11
39	Anomalous Hall effect in MnSi: Intrinsic to extrinsic crossover. JETP Letters, 2015, 101, 459-464.	0.4	11
40	Magnetic and transport properties of colossal magnetoresistance compound EuB ₆ . Journal of Experimental and Theoretical Physics, 2007, 105, 132-134.	0.2	10
41	¹⁰ B/ ¹¹ B isotope substitution and superconductivity in ZrB ₁₂ . JETP Letters, 2011, 94, 642-646.	0.4	10
42	Defect Mode in LaB ₆ . Acta Physica Polonica A, 2014, 126, 350-351.	0.2	10
43	Transport properties of variously doped SmB ₆ . Philosophical Magazine, 2016, 96, 3274-3283.	0.7	10
44	An enhanced superconductivity in the supersaturated Al-Si solid solutions. Journal of Physics Condensed Matter, 1993, 5, 5933-5940.	0.7	9
45	Quantum critical point in CuGeO ₃ doped with magnetic impurities. Physica B: Condensed Matter, 2003, 329-333, 715-716.	1.3	9
46	Anomalous thermopower in heavy-fermion compounds CeB ₆ , CeAl ₃ , and CeCu _{6-x} Au _x . Journal of Experimental and Theoretical Physics, 2007, 105, 58-61.	0.2	9
47	Spin excitations of the correlated semiconductor FeSi probed by THz radiation. Physical Review B, 2011, 84, .	1.1	9
48	Hall effect and symmetry breaking in the nonmagnetic metal LuB ₁₂ with dynamic charge stripes. Physical Review B, 2021, 103, .	1.1	9
49	Anisotropy of the Charge Transport in GdB ₆ . Acta Physica Polonica A, 2017, 131, 973-975.	0.2	9
50	Low-temperature anomalies of the Hall coefficient in FeSi. JETP Letters, 1998, 68, 817-822.	0.4	8
51	High-frequency electron spin resonance probing of magnetic polaron formation in EuB ₆ . Physica B: Condensed Matter, 2008, 403, 932-933.	1.3	8
52	Electron spin resonance and quantum critical phenomena in VO _x multiwall nanotubes. Physica Status Solidi - Rapid Research Letters, 2008, 2, 221-223.	1.2	8
53	Anomalous hall effect in HoB ₁₂ . JETP Letters, 2008, 86, 604-607.	0.4	8
54	Pulsed magnetic field study of the spin gap in intermediate valence compound SmB ₆ . Physica B: Condensed Matter, 2009, 404, 2985-2987.	1.3	8

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55	Nature of heavy-fermion states arising in the vicinity of an isolated cerium or holmium magnetic impurity in LaB ₆ . JETP Letters, 2015, 101, 36-40.	0.4	8
56	The decomposition of supersaturated Al _{1-x} Si _x solid solutions. Journal of Physics Condensed Matter, 1994, 6, 9079-9088.	0.7	7
57	Decay kinetics of nonequilibrium Al-Si solid solutions. Physical Review B, 2000, 61, 6019-6027.	1.1	7
58	Hopping conductivity of carbynes modified under high pressures and temperatures: Galvanomagnetic and thermoelectric properties. Journal of Experimental and Theoretical Physics, 2002, 95, 123-131.	0.2	7
59	Low-Temperature anomalies of the Hall coefficient for a magnetic Kondo lattice of CeAl ₂ . JETP Letters, 2002, 76, 26-29.	0.4	7
60	Magnetoresistance of Ce-based heavy fermion systems. Physica B: Condensed Matter, 2005, 359-361, 308-310.	1.3	7
61	Magnetoresistance and magnetization anomalies in CeB ₆ . Journal of Solid State Chemistry, 2006, 179, 2819-2822.	1.4	7
62	A huge renormalization of transport effective mass in the magnetic-polaronic state of EuB ₆ . Physica B: Condensed Matter, 2008, 403, 820-821.	1.3	7
63	Hall-effect anomalies near the quantum critical point in CeCu _{6-x} Au _x . Low Temperature Physics, 2009, 35, 544-555.	0.2	7
64	Spontaneous reorientation of the electric polarization in Eu ^{1-x} Ho _x MnO ₃ multiferroics. JETP Letters, 2013, 97, 28-33.	0.4	7
65	Inhomogeneous superconductivity in Lu _{1-x} B ₁₂ dodecaborides with dynamic charge stripes. Physical Review B, 2021, 103, .	1.1	7
66	Thermoelectric power anomalies and electron-phonon interaction in nonequilibrium solid solutions Al _{1-x} Si _x . Physical Review B, 1997, 56, 10816-10819.	1.1	6
67	Magnetization anisotropy in the AFM and SDW phases of CeB ₆ . JETP Letters, 2008, 88, 318-321.	0.4	6
68	Separation of the contributions to the magnetization of Tm ^{1-x} Y _x B ₁₂ solid solutions in steady and pulsed magnetic fields. Journal of Experimental and Theoretical Physics, 2013, 116, 838-842.	0.2	6
69	Evidence of symmetry lowering in antiferromagnetic metal TmB ₁₂ with dynamic charge stripes. Journal of Physics Condensed Matter, 2022, 34, 065602.	0.7	6
70	Thermopower in quasi-two-dimensional (BEDT-TTF) _m X _n organic conductors. Journal of Experimental and Theoretical Physics, 1998, 86, 182-189.	0.2	5
71	Low-temperature transport anomalies in FeSi. Physica B: Condensed Matter, 2000, 284-288, 1179-1180.	1.3	5
72	Bulk and local magnetization in CeAl ₂ and CeB ₆ . Physica B: Condensed Matter, 2006, 378-380, 769-770.	1.3	5

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73	Heavy fermions in CeAl ₃ . Physica B: Condensed Matter, 2006, 378-380, 773-774.	1.3	5
74	Anomalous charge transport in CeB ₆ . Journal of Solid State Chemistry, 2006, 179, 2805-2808.	1.4	5
75	Bulk and local magnetic susceptibility in CeAl ₂ and CeB ₆ . Journal of Magnetism and Magnetic Materials, 2006, 300, e1-e3.	1.0	5
76	Hopping conduction and magnetoresistance of C ₂ N -based nanomaterials synthesized under high pressure. Physics of the Solid State, 2007, 49, 1403-1409.	0.2	5
77	Scaling of magnetoresistance of carbon nanomaterials in Mott-type hopping conductivity region. Physics of the Solid State, 2008, 50, 1386-1391.	0.2	5
78	FM-AFM crossover in vanadium oxide nanomaterials. JETP Letters, 2010, 91, 11-15.	0.4	5
79	Magnetoresistance of PrB ₆ and GdB ₆ . Journal of Physics: Conference Series, 2012, 400, 032003.	0.3	5
80	Specific features of magnetoresistance during the antiferromagnet- \leftrightarrow -paramagnet transition in Tm ^{1-x} Yb ^x B ₁₂ . Journal of Experimental and Theoretical Physics, 2013, 116, 866-871.	0.2	5
81	Bulk and surface electron transport in topological insulator candidate YbB ₆ . Physica Status Solidi - Rapid Research Letters, 2016, 10, 320-323.	1.2	5
82	Anisotropy of Magnetoresistance in HoB ₁₂ . Acta Physica Polonica A, 2017, 131, 976-978.	0.2	5
83	Magnetic Phase Diagram of Tm _{0.96} Yb _{0.04} B ₁₂ Antiferromagnet with Dynamic Charge Stripes and Yb Valence Instability. Acta Physica Polonica A, 2020, 137, 788-790.	0.2	5
84	A new nanocluster carbyne-based material synthesized under high pressure. Physics of the Solid State, 2002, 44, 607-611.	0.2	4
85	Disorder-driven quantum critical behaviour in CuGeO ₃ doped with magnetic impurity. Physica B: Condensed Matter, 2005, 359-361, 1315-1317.	1.3	4
86	The regimes of charge transport in CeB ₆ . Physica B: Condensed Matter, 2006, 378-380, 780-781.	1.3	4
87	Heavy fermions and quantum critical behavior in CeCu _{6-x} Aux (x=0-0.2) and CeAl ₃ . Journal of Magnetism and Magnetic Materials, 2006, 300, e288-e290.	1.0	4
88	Anomalies of the specific heat near the quantum critical point in Tm _{0.74} Yb _{0.26} B ₁₂ . JETP Letters, 2010, 91, 75-78.	0.4	4
89	Comment to "Features of the local structure of rare-earth dodecaborides RB ₁₂ (R = Ho, Er, Tm, Yb, Lu)" (JETP Lett. 98, 165 (2013)). JETP Letters, 2014, 98, 578-580.	0.4	4
90	Anomalies of magnetoresistance in Ce-based heavy fermion compounds. Low Temperature Physics, 2015, 41, 1011-1023.	0.2	4

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91	Phonon Drag and Magnetic Anomalies of Thermopower in RB ₁₂ (R = Ho, Er, Tm, Lu). Acta Physica Polonica A, 2008, 113, 275-278.	0.2	4
92	Late stages of phase separation in Al _{1-x} Si _x solid solutions. Physical Review B, 1996, 53, 11304-11306.	1.1	3
93	Quadrupole effects and electron-phonon interaction in the non-equilibrium superconductors Al _{1-x} Si _x . Journal of Physics Condensed Matter, 2000, 12, 9167-9178.	0.7	3
94	Crossover in charge transport of CeM ₂ . Physica B: Condensed Matter, 2005, 363, 252-254.	1.3	3
95	Magnetoresistance anomaly at the transition to coherent state in SmB ₆ . Physica B: Condensed Matter, 2006, 378-380, 612-613.	1.3	3
96	Hall effect in the Ce(Al _{1-x} Co _x) ₂ heavy-fermion system. Journal of Experimental and Theoretical Physics, 2007, 105, 108-111.	0.2	3
97	An adequate interpretation of charge transport for a dilute La _{1-x} Ce _x B ₆ system. Physica B: Condensed Matter, 2008, 403, 1393-1394.	1.3	3
98	Magnetic field enhancement of the Hall effect anomalies in quantum critical point CeCu _{5.9} Au _{0.1} . Physica B: Condensed Matter, 2008, 403, 1268-1269.	1.3	3
99	La _{1-x} Ce _x B ₆ (x ≈ 0.1): spin-polaron regime in dilute magnetic system. Journal of Physics: Conference Series, 2009, 150, 042187.	0.3	3
100	Crossover in the colossal magnetoresistance anisotropy in EuB ₆ . Journal of Physics: Conference Series, 2009, 150, 022014.	0.3	3
101	Suppression of Spin-Glass State in PrB ₆ . Solid State Phenomena, 2012, 190, 221-224.	0.3	3
102	New Magnetoresistance Results in GdB ₆ . Solid State Phenomena, 0, 190, 77-80.	0.3	3
103	Hall effect study in antiferromagnets RB ₆ (R=Pr, Nd). Solid State Sciences, 2012, 14, 1601-1603.	1.5	3
104	Magnetic field enhancement of the Hall effect in diluted magnetic system La _{1-x} Ce _x B ₆ (x ≈ 0.1). Solid State Sciences, 2012, 14, 1629-1631.	1.5	3
105	Seebeck effect near quantum MIT in Eu _{1-x} Ca _x B ₆ . Physica Status Solidi (B): Basic Research, 2013, 250, 618-620.	0.7	3
106	Bulk and Local Magnetic Susceptibility of ErB ₁₂ . Acta Physica Polonica A, 2008, 113, 271-274.	0.2	3
107	Galvanomagnetic properties of the Al _{1-x} Si _x nonequilibrium substitutional solid solutions. Physics of the Solid State, 1999, 41, 1-7.	0.2	2
108	Charge transport anisotropy in SmB ₆ . Physica B: Condensed Matter, 2002, 312-313, 331-332.	1.3	2

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109	The regime of Hubbard correlations in FeSi. <i>Physica B: Condensed Matter</i> , 2002, 312-313, 509-510.	1.3	2
110	The regime of strong Hubbard correlations and magnetic ground state formation in FeSi. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 258-259, 222-224.	1.0	2
111	Microwave magnetoabsorption in the CeAl ₂ magnetic Kondo lattice at low temperatures. <i>Physics of the Solid State</i> , 2003, 45, 1096-1101.	0.2	2
112	Hall effect and magnetic ordering in RB ₁₂ . <i>Low Temperature Physics</i> , 2009, 35, 565-567.	0.2	2
113	Bulk and local susceptibility of RB ₁₂ (R = Ho, Er, Tm). <i>Journal of Physics: Conference Series</i> , 2009, 150, 042011.	0.3	2
114	Anisotropy of magnetoresistance in Pr ¹¹ B ₆ and NdB ₆ . <i>Journal of Physics: Conference Series</i> , 2010, 200, 032003.	0.3	2
115	Enhancement of the colossal magnetoresistance in Eu ¹ × Ca × B ₆ . <i>Journal of Experimental and Theoretical Physics</i> , 2010, 111, 246-250.	0.2	2
116	Anomalous Magnetism and Quantum Critical Phenomena in VO _x Multi-Walled Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010, 19, 27-33.	1.0	2
117	Features of the formation of magnetic moments of Tm ³⁺ and Yb ³⁺ rare-earth ions in LuB ₁₂ cage glass. <i>JETP Letters</i> , 2014, 100, 470-476.	0.4	2
118	Transport properties of R _{0.01} La _{0.99} B ₆ solid solutions. <i>Solid State Sciences</i> , 2020, 103, 106181.	1.5	2
119	Superconductivity in Lu _x Zr _{1-x} B ₁₂ Dodecaborides with Cage-Glass Crystal Structure. <i>Acta Physica Polonica A</i> , 2017, 131, 1036-1038.	0.2	2
120	An enhancement of superconductivity in Al ¹ × Si ₆ solid solutions. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1115-1116.	1.3	1
121	Hall effect anomalies in Kondo-lattice CeAl ₂ . <i>Physica B: Condensed Matter</i> , 2003, 329-333, 541-542.	1.3	1
122	Hopping conductivity in carbynes. Magnetoresistance and Hall effect. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 29-32.	0.8	1
123	Charge transport in correlated metallic state of FeSi. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 1165-1167.	1.3	1
124	Thermopower of RB ₁₂ dodecaborides (R = Ho, Er, Tm, Lu). <i>Journal of Experimental and Theoretical Physics</i> , 2007, 105, 55-57.	0.2	1
125	Pauli paramagnetism enhancement and unusual magnetic ordering in CeB ₆ . <i>Physica B: Condensed Matter</i> , 2008, 403, 742-743.	1.3	1
126	Quantum criticality in Ce(Al ¹ × Co _x) ₂ . <i>Physica B: Condensed Matter</i> , 2008, 403, 824-825.	1.3	1

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127	Hopping Conductivity Spectroscopy of Carbon Nanocluster Materials. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 445-453.	1.0	1
128	Anomalous magnetism and charge transport in dielectric $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x \approx 0.22$). Journal of Applied Physics, 2009, 105, 07D717.	1.1	1
129	Magnetoresistance and magnetic phase transitions in a Pr_{11}B_6 antiferromagnet. JETP Letters, 2009, 90, 152-155.	0.4	1
130	A giant enhancement of CMR in $\text{Eu}_{0.6}\text{Ca}_{0.4}\text{B}_6$. Journal of Physics: Conference Series, 2010, 200, 012048.	0.3	1
131	Magnetic anisotropy in the AFM and SDW phases of CeB_6 . Journal of Physics: Conference Series, 2010, 200, 012189.	0.3	1
132	Anomalous magnetic properties of VO_x multiwall nanotubes. Journal of Physics: Conference Series, 2010, 200, 072024.	0.3	1
133	Quantum percolation transition in $\text{Eu}_{1-x}\text{Ca}_x\text{B}_6$. Physica Status Solidi (B): Basic Research, 2010, 247, 650-652.	0.7	1
134	Suppression of Ferromagnetism in $\text{Eu}_x\text{Ca}_{1-x}\text{B}_6$. Solid State Phenomena, 2012, 190, 97-100.	0.3	1
135	Reentrant Metal-Insulator Transition in $\text{Ca}_{1-x}\text{Eu}_x\text{B}_6$. Acta Physica Polonica A, 2014, 126, 294-295.	0.2	1
136	Tuning of exchange by band filling in low-carrier-density magnet $\text{Eu}(\text{Gd})\text{B}_6$. Physica Status Solidi (B): Basic Research, 2017, 254, 1600571.	0.7	1
137	Thermoelectric Properties of Metallic Hexaborides RB_6 ($R = \text{La, Pr, Nd, Gd}$). Physics of the Solid State, 2021, 63, 414-419.	0.2	1
138	Charge Transport and Magnetism in $\text{Eu}_{1-x}\text{Ca}_x\text{B}_6$. Acta Physica Polonica A, 2010, 118, 891-892.	0.2	1
139	Anomalous electrodynamic response in the mixed-valence superconductor CeRu_2 . JETP Letters, 1999, 69, 798-803.	0.4	0
140	The origin of fast valence fluctuations in SmB_6 . Physica B: Condensed Matter, 2000, 284-288, 1355-1356.	1.3	0
141	Low temperature transport anomalies in magnetic Kondo-lattice CeAl_2 . Journal of Magnetism and Magnetic Materials, 2003, 258-259, 225-227.	1.0	0
142	Approaching to YbB_{12} : Spin fluctuation effects in charge transport of RB_{12} ($R = \text{Ho, Er, Tm, Lu}$). Physica B: Condensed Matter, 2008, 403, 822-823.	1.3	0
143	Hall Effect in GdB_6 . Acta Physica Polonica A, 2014, 126, 348-349.	0.2	0
144	Charge Transport and Magnetism in $\text{Tm}_{0.03}\text{Yb}_{0.97}\text{B}_{12}$. Acta Physica Polonica A, 2017, 131, 985-987.	0.2	0