

# Sergey Demishev

## List of Publications by Citations

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174  
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18  
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26  
g-index

175  
ext. papers

1,445  
ext. citations

1.5  
avg, IF

3.82  
L-index

#	Paper	IF	Citations
174	Intragap states in SmB <sub>6</sub> . <i>Physical Review B</i> , <b>2000</b> , 61, 9906-9909	3.3	57
173	Effects of disorder and isotopic substitution in the specific heat and Raman scattering in LuB <sub>12</sub> . <i>Journal of Experimental and Theoretical Physics</i> , <b>2011</b> , 113, 468-482	1	54
172	Resonant magnetoabsorption of millimeter-wave radiation in the quasi-two-dimensional organic metals alpha -(BEDT-TTF) <sub>2</sub> MHg(SCN) <sub>4</sub> (M=K,Tl). <i>Physical Review B</i> , <b>1996</b> , 53, 12794-12803	3.3	41
171	Enhancement of band magnetism and features of the magnetically ordered state in the CeB <sub>6</sub> compound with strong electron correlations. <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 104, 120-138	1	36
170	Magnetic spin resonance in CeB <sub>6</sub> . <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	35
169	Magnetic phase diagram of MnSi in the high-field region. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	34
168	Crossover in magnetic properties of FeSi. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	32
167	A study of the magnetoresistance of the charge-transfer salt at hydrostatic pressures of up to 20 kbar: evidence for a charge-density-wave ground state and the observation of pressure-induced superconductivity. <i>Journal of Physics Condensed Matter</i> , <b>1996</b> , 8, 6005-6017	1.8	31
166	Genesis of the anomalous Hall effect in CeAl <sub>2</sub> . <i>Journal of Experimental and Theoretical Physics</i> , <b>2004</b> , 98, 793-810	1	29
165	Interplay between the structure and properties of new metastable carbon phases obtained under high pressures from fullerite C <sub>60</sub> and carbyne. <i>JETP Letters</i> , <b>2002</b> , 76, 681-692	1.2	27
164	Low-temperature transport anisotropy and many-body effects in SmB <sub>6</sub> . <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	27
163	Nature of the low-temperature anomalies in the physical properties of the intermediate-valent compound SmB <sub>6</sub> . <i>Journal of Experimental and Theoretical Physics</i> , <b>1999</b> , 88, 533-537	1	25
162	Thermopower in the regime of strong Hubbard correlations in FeSi. <i>Europhysics Letters</i> , <b>2000</b> , 51, 557-563	1	24
161	Specific heat of Ce <sub>x</sub> La <sub>1-x</sub> B <sub>6</sub> in the low cerium concentration limit (x < 0.03). <i>Journal of Experimental and Theoretical Physics</i> , <b>2013</b> , 116, 760-765	1	20
160	Is MnSi an itinerant-electron magnet? Results of ESR experiments. <i>JETP Letters</i> , <b>2011</b> , 93, 213-218	1.2	20
159	Experimental evidence for magnetic resonance in the antiferro-quadrupole phase. <i>Physica Status Solidi (B): Basic Research</i> , <b>2005</b> , 242, R27-R29	1.3	20
158	Anomalies of magnetoresistance of compounds with atomic clusters RB <sub>12</sub> (R = Ho, Er, Tm, Lu). <i>Journal of Experimental and Theoretical Physics</i> , <b>2009</b> , 108, 668-687	1	19

157	Electron spin resonance in EuB6. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	18
156	New scenario for the decay of spin-Peierls state in CuGeO3: Fe. Onset of a quantum critical point. <i>JETP Letters</i> , <b>2001</b> , 73, 31-34	1.2	18
155	Scrutinizing Hall Effect in Mn <sub>{1-x}</sub> Fe <sub>{x}</sub> Si: Fermi Surface Evolution and Hidden Quantum Criticality. <i>Physical Review Letters</i> , <b>2015</b> , 115, 256601	7.4	17
154	Magnetic properties of vanadium oxide nanotubes and nanolayers. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	17
153	Macroscopic evidence for Abrikosov-type magnetic vortexes in MnSi A-phase. <i>Scientific Reports</i> , <b>2016</b> , 6, 22101	4.9	17
152	Quantum bicriticality in Mn <sub>1-x</sub> Fe <sub>x</sub> Si solid solutions: Exchange and percolation effects. <i>JETP Letters</i> , <b>2014</b> , 98, 829-833	1.2	16
151	Hall and transverse even effects in the vicinity of a quantum critical point in Tm <sub>1-x</sub> Yb <sub>x</sub> B12. <i>Journal of Experimental and Theoretical Physics</i> , <b>2012</b> , 115, 509-526	1	16
150	Isotope effect in charge transport of LuB12. <i>Journal of Experimental and Theoretical Physics</i> , <b>2010</b> , 111, 279-284	1	16
149	Anomalous temperature dependence of the ESR linewidth in CuGeO <sub>3</sub> doped with magnetic impurities and the universal relations in the Oshikawa-Affleck theory. <i>Europhysics Letters</i> , <b>2003</b> , 63, 446-452	1.6	16
148	Antiferromagnetic instability and the metal-insulator transition in Tm <sub>1-x</sub> Yb <sub>x</sub> B12 rare earth dodecaborides. <i>JETP Letters</i> , <b>2009</b> , 89, 256-259	1.2	15
147	Enhancement of electron-phonon interactions in the nonequilibrium solid solutions Al <sub>1-x</sub> Si <sub>x</sub> . <i>Physical Review B</i> , <b>1995</b> , 51, 1112-1116	3.3	15
146	Charge transport in Ho <sub>x</sub> Lu <sub>1-x</sub> B12: Separating positive and negative magnetoresistance in metals with magnetic ions. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	14
145	Spin-polaron transport and magnetic phase diagram of iron monosilicide. <i>Journal of Experimental and Theoretical Physics</i> , <b>2004</b> , 99, 394-414	1	14
144	Anomalous spin relaxation and quantum criticality in Mn <sub>1-x</sub> Fe <sub>x</sub> Si solid solutions. <i>JETP Letters</i> , <b>2014</b> , 100, 28-31	1.2	13
143	Thermopower of Al <sub>1-x</sub> Si <sub>x</sub> solid solutions in vicinity of lattice instability. <i>Journal of Experimental and Theoretical Physics</i> , <b>1998</b> , 86, 190-196	1	13
142	Observation of dynamic charge stripes in TmYbB at the metal-insulator transition. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 065604	1.8	13
141	Maltese cross anisotropy in Ho <sub>0.8</sub> Lu <sub>0.2</sub> B12 antiferromagnetic metal with dynamic charge stripes. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	12
140	Suppression of superconductivity in Lu <sub>x</sub> Zr <sub>1-x</sub> B12: Evidence of static magnetic moments induced by nonmagnetic impurities. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	12

139	Electron nematic effect induced by magnetic field in antiferroquadrupole phase of CeB. <i>Scientific Reports</i> , <b>2017</b> , 7, 17430	4.9	12
138	Magnetic resonance in cerium hexaboride caused by quadrupolar ordering. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 300, e534-e537	2.8	12
137	Microwave EPR spectroscopy of cobalt-doped germanium cuprate. <i>Physics of the Solid State</i> , <b>2004</b> , 46, 2238-2248	0.8	11
136	Electron transport in carbynes modified under high pressure. <i>JETP Letters</i> , <b>2003</b> , 78, 511-519	1.2	11
135	Ground state formation in a strong hubbard correlation regime in iron monosilicide. <i>Journal of Experimental and Theoretical Physics</i> , <b>2001</b> , 92, 312-325	1	11
134	Magnetoresistance Scaling and the Anisotropy of Charge Carrier Scattering in the Paramagnetic Phase of Ho <sub>0.8</sub> Lu <sub>0.2</sub> B <sub>12</sub> Cage Glass. <i>JETP Letters</i> , <b>2018</b> , 107, 30-36	1.2	10
133	High-frequency study of the orbital ordering resonance in the strongly correlated heavy fermion metal CeB <sub>6</sub> . <i>Applied Magnetic Resonance</i> , <b>2009</b> , 35, 319-326	0.8	10
132	Cyclotron resonance in the organic conductor (BEDO-TTF) <sub>2</sub> ReO <sub>4</sub> (H <sub>2</sub> O) in the millimeter wavelength band. <i>Journal of Experimental and Theoretical Physics</i> , <b>1997</b> , 84, 540-544	1	10
131	ESR millimeter-band spectroscopy of magnetic ordering in the low-dimensional magnet CuGeO <sub>3</sub> . <i>Journal of Experimental and Theoretical Physics</i> , <b>1997</b> , 85, 943-948	1	10
130	Magnetic phase diagram of the spin-Peierls compound CuGeO <sub>3</sub> doped with Al and Sn. <i>Physical Review B</i> , <b>1998</b> , 58, 6321-6329	3.3	10
129	Collective Infrared Excitation in LuB <sub>12</sub> Cage-Glass. <i>JETP Letters</i> , <b>2018</b> , 107, 100-105	1.2	9
128	Magnetic and transport properties of colossal magnetoresistance compound EuB <sub>6</sub> . <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 105, 132-134	1	9
127	Magnetic resonance anisotropy in CeB: an entangled state of the art. <i>Scientific Reports</i> , <b>2016</b> , 6, 39196	4.9	9
126	Magnetic field dependence of the neutron spin resonance in CeB <sub>6</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	8
125	Spin excitations of the correlated semiconductor FeSi probed by THz radiation. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	8
124	Low-temperature anomalies of the Hall coefficient in FeSi. <i>JETP Letters</i> , <b>1998</b> , 68, 817-822	1.2	8
123	Anomalous thermopower in heavy-fermion compounds CeB <sub>6</sub> , CeAl <sub>3</sub> , and CeCu <sub>6</sub> ⌊ Au x. <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 105, 58-61	1	8
122	Anomalous polarization characteristics of magnetic resonance in a quasi-one-dimensional CuGeO <sub>3</sub> : Co magnet. <i>Physics of the Solid State</i> , <b>2007</b> , 49, 1295-1304	0.8	8

121	Electron spin resonance and quantum critical phenomena in VOx multiwall nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2008</b> , 2, 221-223	2.5	8
120	Effect of a magnetic field on the intermediate phase in Mn <sub>1-x</sub> Fe <sub>x</sub> Si: Spin-liquid versus fluctuations scenario. <i>JETP Letters</i> , <b>2016</b> , 103, 321-327	1.2	8
119	Antiferromagnetic Resonance in GdB <sub>6</sub> . <i>JETP Letters</i> , <b>2018</b> , 108, 237-242	1.2	8
118	Anomalous Hall effect in MnSi: Intrinsic to extrinsic crossover. <i>JETP Letters</i> , <b>2015</b> , 101, 459-464	1.2	7
117	Magnetic resonance probing of ground state in the mixed valence correlated topological insulator SmB. <i>Scientific Reports</i> , <b>2018</b> , 8, 7125	4.9	7
116	Magnetoresistance and magnetic ordering in praseodymium and neodymium hexaborides. <i>Journal of Experimental and Theoretical Physics</i> , <b>2009</b> , 109, 815-832	1	7
115	Anomalous hall effect in HoB <sub>12</sub> . <i>JETP Letters</i> , <b>2008</b> , 86, 604-607	1.2	7
114	Antiferro-quadrupole resonance in CeB <sub>6</sub> . <i>Physica B: Condensed Matter</i> , <b>2006</b> , 378-380, 602-603	2.8	7
113	Magnetoresistance of carbon nanomaterials. <i>Physics of the Solid State</i> , <b>2006</b> , 48, 1363-1372	0.8	7
112	An enhanced superconductivity in the supersaturated Al-Si solid solutions. <i>Journal of Physics Condensed Matter</i> , <b>1993</b> , 5, 5933-5940	1.8	7
111	The decomposition of supersaturated Al <sub>1-x</sub> Si <sub>x</sub> solid solutions. <i>Journal of Physics Condensed Matter</i> , <b>1994</b> , 6, 9079-9088	1.8	7
110	Nature of heavy-fermion states arising in the vicinity of an isolated cerium or holmium magnetic impurity in LaB <sub>6</sub> . <i>JETP Letters</i> , <b>2015</b> , 101, 36-40	1.2	6
109	Magnetization of Mn <sub>1-x</sub> Fe <sub>x</sub> Si in high magnetic fields up to 50 T: Possible evidence of a field-induced Griffiths phase. <i>JETP Letters</i> , <b>2016</b> , 104, 116-123	1.2	6
108	<sup>10</sup> B/ <sup>11</sup> B isotope substitution and superconductivity in ZrB <sub>12</sub> . <i>JETP Letters</i> , <b>2011</b> , 94, 642-646	1.2	6
107	Hall-effect anomalies near the quantum critical point in CeCu <sub>6-x</sub> Aux. <i>Low Temperature Physics</i> , <b>2009</b> , 35, 544-555	0.7	6
106	Hopping conductivity of carbynes modified under high pressures and temperatures: Galvanomagnetic and thermoelectric properties. <i>Journal of Experimental and Theoretical Physics</i> , <b>2002</b> , 95, 123-131	1	6
105	Low-Temperature anomalies of the Hall coefficient for a magnetic Kondo lattice of CeAl <sub>2</sub> . <i>JETP Letters</i> , <b>2002</b> , 76, 26-29	1.2	6
104	Decay kinetics of nonequilibrium Al-Si solid solutions. <i>Physical Review B</i> , <b>2000</b> , 61, 6019-6027	3.3	6

103	Breaking of Cubic Symmetry in Rare-Earth Dodecaborides with Dynamic Charge Stripes. <i>JETP Letters</i> , <b>2020</b> , 112, 413-419	1.2	6
102	Raman scattering in ZrB <sub>12</sub> cage glass. <i>JETP Letters</i> , <b>2016</b> , 103, 674-679	1.2	6
101	Electron Spin Resonance in Strongly Correlated Metals. <i>Applied Magnetic Resonance</i> , <b>2020</b> , 51, 473-522	0.8	5
100	Isosbestic Point and Magnetoresistance Components in Ho <sub>0.5</sub> Lu <sub>0.5</sub> B <sub>12</sub> . <i>Journal of Low Temperature Physics</i> , <b>2016</b> , 185, 522-530	1.3	5
99	ESR probing of quantum critical phenomena in doped S = 1/2 AF quantum spin chain. <i>Applied Magnetic Resonance</i> , <b>2009</b> , 35, 327-335	0.8	5
98	Thermoelectric power anomalies and electron-phonon interaction in nonequilibrium solid solutions Al <sub>1-x</sub> Si <sub>x</sub> . <i>Physical Review B</i> , <b>1997</b> , 56, 10816-10819	3.3	5
97	Thermopower in quasi-two-dimensional (BEDT-TTF) m X n organic conductors. <i>Journal of Experimental and Theoretical Physics</i> , <b>1998</b> , 86, 182-189	1	5
96	Thermopower in the hopping conductivity region: Transition from Mott to Zvyagin formula. <i>JETP Letters</i> , <b>1998</b> , 68, 842-847	1.2	5
95	1D-3D crossover in hopping conduction of carbynes. <i>JETP Letters</i> , <b>2000</b> , 72, 381-384	1.2	5
94	Microwave absorption in the Kondo lattice of CeB <sub>6</sub> in strong magnetic fields. <i>JETP Letters</i> , <b>1996</b> , 63, 453-458	1.2	5
93	Magnetic Properties of the Topological Kondo Insulator SmB <sub>6</sub> : Localized Magnetic Moments and Pauli Paramagnetism. <i>JETP Letters</i> , <b>2019</b> , 109, 150-156	1.2	4
92	Separation of the contributions to the magnetization of Tm <sub>1-x</sub> Yb <sub>x</sub> B <sub>12</sub> solid solutions in steady and pulsed magnetic fields. <i>Journal of Experimental and Theoretical Physics</i> , <b>2013</b> , 116, 838-842	1	4
91	Specific features of magnetoresistance during the antiferromagnetic-paramagnetic transition in Tm <sub>1-x</sub> Yb <sub>x</sub> B <sub>12</sub> . <i>Journal of Experimental and Theoretical Physics</i> , <b>2013</b> , 116, 866-871	1	4
90	Anomalous magnetic properties of the paramagnetic phase and spin polarons in manganese monosilicide. <i>Low Temperature Physics</i> , <b>2015</b> , 41, 971-978	0.7	4
89	Comment to Features of the local structure of rare-earth dodecaborides RB <sub>12</sub> (R = Ho, Er, Tm, Yb, Lu) ( <i>JETP Lett.</i> 98, 165 (2013)). <i>JETP Letters</i> , <b>2014</b> , 98, 578-580	1.2	4
88	FM-AFM crossover in vanadium oxide nanomaterials. <i>JETP Letters</i> , <b>2010</b> , 91, 11-15	1.2	4
87	Anomalies of the specific heat near the quantum critical point in Tm <sub>0.74</sub> Yb <sub>0.26</sub> B <sub>12</sub> . <i>JETP Letters</i> , <b>2010</b> , 91, 75-78	1.2	4
86	Modeling of magnetic susceptibility of an antiferromagnetic system with disorder-driven quantum critical behavior. <i>Physics of the Solid State</i> , <b>2009</b> , 51, 547-551	0.8	4

85	Magnetoresistance of PrB <sub>6</sub> and GdB <sub>6</sub> . <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 400, 032003	0.3	4
84	Magnetic susceptibility of an antiferromagnetic system with disorder-driven quantum critical behavior. <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 676-678	1.3	4
83	Magnetization anisotropy in the AFM and SDW phases of CeB <sub>6</sub> . <i>JETP Letters</i> , <b>2008</b> , 88, 318-321	1.2	4
82	Hopping conduction and magnetoresistance of C <sub>2</sub> N <sub>2</sub> -based nanomaterials synthesized under high pressure. <i>Physics of the Solid State</i> , <b>2007</b> , 49, 1403-1409	0.8	4
81	Quantum Criticality and Collective Effects in Low-Dimensional Magnet CuGeO <sub>3</sub> :Fe Probed by High Frequency EPR. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2007</b> , 20, 105-108	1.5	4
80	Scaling of magnetoresistance of carbon nanomaterials in Mott-type hopping conductivity region. <i>Physics of the Solid State</i> , <b>2008</b> , 50, 1386-1391	0.8	4
79	Disorder-driven quantum critical behaviour in CuGeO <sub>3</sub> doped with magnetic impurity. <i>Physica B: Condensed Matter</i> , <b>2005</b> , 359-361, 1315-1317	2.8	4
78	The Competition between Staggered Field and Antiferromagnetic Interactions in CuGeO <sub>3</sub> :Fe. <i>Progress of Theoretical Physics Supplement</i> , <b>2005</b> , 159, 387-391		4
77	Magnetic properties of the fullerene-based molecular complexes in strong magnetic field. <i>Physica B: Condensed Matter</i> , <b>2001</b> , 294-295, 324-327	2.8	4
76	DC and AC Hopping Transport in Bulk Amorphous Gallium Antimonide. <i>Physica Status Solidi (B): Basic Research</i> , <b>2000</b> , 218, 67-70	1.3	4
75	Anomalous magnetic properties of the complex (ET) <sub>2</sub> C <sub>60</sub> . <i>JETP Letters</i> , <b>1999</b> , 69, 785-791	1.2	4
74	Seebeck effect near quantum MIT in Eu <sub>1-x</sub> Ce <sub>x</sub> B <sub>6</sub> . <i>Physica Status Solidi (B): Basic Research</i> , <b>2013</b> , 250, 618-620	1.3	3
73	La <sub>1-x</sub> Ce <sub>x</sub> B <sub>6</sub> (x=0.1): spin-polaron regime in dilute magnetic system. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 042187	0.3	3
72	Onset of a nonoptimal hopping regime for ac conductivity in amorphous gallium antimonide. <i>JETP Letters</i> , <b>1997</b> , 65, 342-348	1.2	3
71	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)]. <i>JETP Letters</i> , <b>2008</b> , 88, 777-778	1.2	3
70	Hall effect in the Ce(Al <sub>1-x</sub> Co <sub>x</sub> ) <sub>2</sub> heavy-fermion system. <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 105, 108-111	1	3
69	A new nanocluster carbyne-based material synthesized under high pressure. <i>Physics of the Solid State</i> , <b>2002</b> , 44, 607-611	0.8	3
68	The structure of the phase transformation wave in the discrete model of a non-equilibrium phase transition. <i>Journal of Physics Condensed Matter</i> , <b>1995</b> , 7, 9173-9184	1.8	3

67	Magneto-optical microwave spectroscopy of the coherent magnetic state in the mixed valence compound SmB <sub>6</sub> in the frequency range 40–20 GHz. <i>JETP Letters</i> , <b>1996</b> , 64, 760-766	1.2	3
66	Late stages of phase separation in Al <sub>1-x</sub> Si <sub>x</sub> solid solutions. <i>Physical Review B</i> , <b>1996</b> , 53, 11304-11306	3.3	3
65	The Effect of Spin-Peierls Instability Suppression in Nanometer-Scale-Sized CuGeO <sub>3</sub> Crystals. <i>Applied Magnetic Resonance</i> , <b>2016</b> , 47, 881-893	0.8	3
64	Quantum phase transitions in spiral magnets without an inversion center. <i>Physics-Uspekhi</i> , <b>2016</b> , 59, 559-563	5.3	2
63	Bulk and surface electron transport in topological insulator candidate YbB <sub>6</sub> . <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2016</b> , 10, 320-323	2.5	2
62	A novel method of ESR oscillating magnetization value determination in strongly correlated metals. <i>EPJ Web of Conferences</i> , <b>2018</b> , 185, 02003	0.3	2
61	Magnetic Phase Transitions and the Anisotropy of Charge Carrier Scattering in Antiferromagnetic Metal Ho <sub>0.5</sub> Lu <sub>0.5</sub> B <sub>12</sub> with Dynamic Charge Stripes. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2019</b> , 83, 853-856	0.4	2
60	Features of the formation of magnetic moments of Tm <sup>3+</sup> and Yb <sup>3+</sup> rare-earth ions in LuB <sub>12</sub> cage glass. <i>JETP Letters</i> , <b>2014</b> , 100, 470-476	1.2	2
59	Anomalous Magnetism and Quantum Critical Phenomena in VO <sub>x</sub> Multi-Walled Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2010</b> , 19, 27-33	1.8	2
58	Bulk and local susceptibility of RB <sub>12</sub> (R = Ho, Er, Tm). <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 042011	0.3	2
57	Low temperature magnetotransport in RB <sub>6</sub> (R = Pr, Nd). <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 042005	0.3	2
56	Enhancement of the colossal magnetoresistance in Eu <sub>1-x</sub> Ca <sub>x</sub> B <sub>6</sub> . <i>Journal of Experimental and Theoretical Physics</i> , <b>2010</b> , 111, 246-250	1	2
55	A non-linear model of solid-state amorphization. <i>Journal of Physics Condensed Matter</i> , <b>1997</b> , 9, 9199-9207	1.8	2
54	Magnetism of C <sub>60</sub> -based molecular complexes: High-field-magnetization and magneto-optical study. <i>Physics of the Solid State</i> , <b>2002</b> , 44, 441-443	0.8	2
53	Magnetic properties of the fullerene organic compounds in strong magnetic fields. <i>Polyhedron</i> , <b>2003</b> , 22, 2009-2012	2.7	2
52	Quadrupole effects and electron-phonon interaction in the non-equilibrium superconductors Al <sub>1-x</sub> Si <sub>x</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 9167-9178	1.8	2
51	Galvanomagnetic properties of the Al <sub>1-x</sub> Si <sub>x</sub> nonequilibrium substitutional solid solutions. <i>Physics of the Solid State</i> , <b>1999</b> , 41, 1-7	0.8	2
50	Enhancement of superconductivity in vicinity of lattice instability in Al <sub>1-x</sub> Si <sub>x</sub> . <i>Ferroelectrics</i> , <b>1996</b> , 177, 17-25	0.6	2

49	Chaotic dynamics of charge density wave in (BEDT-TTF) <sub>3</sub> Cl <sub>2</sub> ·2H <sub>2</sub> O. <i>Ferroelectrics</i> , <b>1996</b> , 176, 329-334	0.6	2
48	Spin Fluctuations at the Surface of Strongly Correlated Topological Insulator SmB <sub>6</sub> . <i>Applied Magnetic Resonance</i> , <b>2020</b> , 51, 71-84	0.8	2
47	Features of the Crystal Structure of Tm <sub>1-x</sub> Yb <sub>x</sub> B <sub>12</sub> Dodecaborides near a Quantum Critical Point and at a Metal-Insulator Transition. <i>JETP Letters</i> , <b>2018</b> , 108, 691-696	1.2	2
46	Anomalous Hall Effect in Frustrated Magnets. <i>Physics of the Solid State</i> , <b>2019</b> , 61, 1622-1626	0.8	1
45	Magnetic Properties of Eu <sub>0.9</sub> Yb <sub>0.1</sub> B <sub>6</sub> . <i>Physics of the Solid State</i> , <b>2019</b> , 61, 565-570	0.8	1
44	Electron Paramagnetic Resonance in Ho <sub>x</sub> Lu <sub>1-x</sub> B <sub>12</sub> Dodecaborides. <i>JETP Letters</i> , <b>2019</b> , 110, 266-272	1.2	1
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42	Anomalies of magnetoresistance in Ce-based heavy fermion compounds. <i>Low Temperature Physics</i> , <b>2015</b> , 41, 1011-1023	0.7	1
41	Anomalous magnetism and charge transport in dielectric La <sub>1-x</sub> CaxMnO <sub>3</sub> (x <sub>MIT</sub> ~0.22). <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07D717	2.5	1
40	Magnetoresistance and magnetic phase transitions in a Pr <sub>1-x</sub> B <sub>6</sub> antiferromagnet. <i>JETP Letters</i> , <b>2009</b> , 90, 152-155	1.2	1
39	Hall effect and magnetic ordering in RB <sub>12</sub> . <i>Low Temperature Physics</i> , <b>2009</b> , 35, 565-567	0.7	1
38	A giant enhancement of CMR in Eu <sub>0.6</sub> Ca <sub>0.4</sub> B <sub>6</sub> . <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 012048	0.3	1
37	Magnetic anisotropy in the AFM and SDW phases of CeB <sub>6</sub> . <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 012189	0.3	1
36	Anomalous magnetic properties of VO <sub>x</sub> multiwall nanotubes. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 072024	0.3	1
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34	Clustering in Amorphous Carbon Films Probed by the Charge Transport and Structural Studies. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2008</b> , 16, 430-434	1.8	1
33	Hopping Conductivity Spectroscopy of Carbon Nanocluster Materials. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2008</b> , 16, 445-453	1.8	1
32	Thermopower of RB <sub>12</sub> dodecaborides (R = Ho, Er, Tm, Lu). <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 105, 55-57	1	1

31	Polarization Effect in ESR of Co Doped CuGeO <sub>3</sub> . <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2007</b> , 20, 109-112	1.5	1
30	New Magneto-Optical Effect in Co-Doped CuGeO <sub>3</sub> . <i>Applied Magnetic Resonance</i> , <b>2008</b> , 33, 3-9	0.8	1
29	New polarization effect and collective excitation in S = 1/2 quasi-one-dimensional antiferromagnetic quantum spin chain. <i>JETP Letters</i> , <b>2006</b> , 84, 249-253	1.2	1
28	Hopping conductivity in carbynes. Magnetoresistance and Hall effect. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2004</b> , 1, 29-32		1
27	Microwave magnetoabsorption in the CeAl <sub>2</sub> magnetic Kondo lattice at low temperatures. <i>Physics of the Solid State</i> , <b>2003</b> , 45, 1096-1101	0.8	1
26	The spin-Peierls compound MEM(TCNQ) 2 : Evidence for the non-universality of the magnetic phase diagram. <i>Europhysics Letters</i> , <b>2001</b> , 53, 667-672	1.6	1
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23	Evidence of symmetry lowering in antiferromagnetic metal TmB <sub>6</sub> with dynamic charge stripes. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 34,	1.8	1
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18	Staggered Field in Quantum Antiferromagnetic S = 1/2 Spin Chain Probed by High-Frequency EPR (the Case of Doped CuGeO <sub>3</sub> ). <i>Applied Magnetic Resonance</i> , <b>2021</b> , 52, 379-410	0.8	0
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