

# Nikolay E Sluchanko

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

222 papers	1,885 citations	20 h-index	31 g-index
227 ext. papers	2,063 ext. citations	1.8 avg, IF	4.03 L-index

#	Paper	IF	Citations
222	Influence of the Fermi Surface Shape on Magnetoresistance Anisotropy in ZrB <sub>12</sub> . <i>Doklady Physics</i> , <b>2022</b> , 67, 11-14	0.8	0
221	Hall Effect in the Antiferromagnetic State of Ho <sub>0.8</sub> Lu <sub>0.2</sub> B <sub>12</sub> . <i>JETP Letters</i> , <b>2022</b> , 115, 130-135	1.2	0
220	Evidence of symmetry lowering in antiferromagnetic metal TmB <sub>12</sub> with dynamic charge stripes. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 34,	1.8	1
219	Inhomogeneous superconductivity in Lu <sub>1-x</sub> Zr <sub>x</sub> B <sub>12</sub> dodecaborides with dynamic charge stripes. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
218	Anisotropy of the Hall Effect 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>2021</b> , 113, 526-531	1.2	1
217	Hall effect and symmetry breaking in the nonmagnetic metal LuB <sub>12</sub> with dynamic charge stripes. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	3
216	Suppression of indirect exchange and symmetry breaking in the antiferromagnetic metal HoB <sub>12</sub> with dynamic charge stripes. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	7
215	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
214	Maltese Cross Anisotropy in Antiferromagnetic State of Metallic Ho <sub>0.5</sub> Lu <sub>0.5</sub> B <sub>12</sub> with Dynamic Charge Stripes. <i>Acta Physica Polonica A</i> , <b>2020</b> , 137, 756-759	0.6	4
213	Anomalous Magnetic Contributions to Hall Effect in Ho <sub>0.5</sub> Lu <sub>0.5</sub> B <sub>12</sub> . <i>Acta Physica Polonica A</i> , <b>2020</b> , 137, 767-769	0.6	2
212	Magnetic Phase Diagram of Tm <sub>0.96</sub> Yb <sub>0.04</sub> B <sub>12</sub> Antiferromagnet with Dynamic Charge Stripes and Yb Valence Instability. <i>Acta Physica Polonica A</i> , <b>2020</b> , 137, 788-790	0.6	4
211	Superconducting Phase Diagrams of LuB <sub>12</sub> and Lu <sub>1-x</sub> Zr <sub>x</sub> B <sub>12</sub> (x=0.45) down to 50 mK. <i>Acta Physica Polonica A</i> , <b>2020</b> , 137, 791-793	0.6	1
210	Fine details of crystal structure and atomic vibrations in YbB <sub>12</sub> with a metal-insulator transition. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2020</b> , 76, 1117-1127	1.8	0
209	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
208	Maltese cross anisotropy in Ho <sub>0.8</sub> Lu <sub>0.2</sub> B <sub>12</sub> antiferromagnetic metal with dynamic charge stripes. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	12
207	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
206	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

205	Boron 10B/11B Isotope Substitution as a Probe of the Mechanism Responsible for the Record Thermionic Emission in LaB <sub>6</sub> with the Jahn-Teller Instability. <i>JETP Letters</i> , <b>2019</b> , 110, 79-84	1.2	1
204	Collective infrared excitation in rare-earth GdLa <sub>1-x</sub> B <sub>6</sub> hexaborides. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	4
203	Quantum diffusion regime of charge transport in GdB <sub>6</sub> caused by electron and lattice instability. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	5
202	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
201	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
200	Collective Infrared Excitation in LuB <sub>12</sub> Cage-Glass. <i>JETP Letters</i> , <b>2018</b> , 107, 100-105	1.2	9
199	Rattling mode and symmetry lowering resulting from the instability of the B <sub>12</sub> molecule in LuB <sub>12</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	32
198	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
197	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
196	Magnetic Anisotropy of the Low-Temperature Specific Heat of Ho <sub>0.01</sub> Lu <sub>0.99</sub> B <sub>12</sub> with Dynamic Charge Stripes. <i>JETP Letters</i> , <b>2018</b> , 108, 454-459	1.2	1
195	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
194	Antiferromagnetic Resonance in GdB <sub>6</sub> . <i>JETP Letters</i> , <b>2018</b> , 108, 237-242	1.2	8
193	Observation of a crossover from nodal to gapped superconductivity in Lu <sub>x</sub> Zr <sub>1-x</sub> B <sub>12</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	4
192	The lower symmetry electron-density distribution and the charge transport anisotropy in cubic dodecaboride LuB. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 265402	1.8	18
191	Lattice instability and enhancement of superconductivity in YB <sub>6</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	11
190	Electron nematic effect induced by magnetic field in antiferroquadrupole phase of CeB. <i>Scientific Reports</i> , <b>2017</b> , 7, 17430	4.9	12
189	Comment on the article "Electronic Raman scattering and renormalization of the electron spectrum in LuB <sub>12</sub> " by Yu.S. Ponomov, S.V. Streltsov, A.V. Levchenko, and V.B. Filippov. <i>Journal of Experimental and Theoretical Physics</i> , <b>2017</b> , 124, 159-161	1	
188	Tuning of exchange by band filling in low-carrier-density magnet Eu(Gd)B <sub>6</sub> . <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1600571	1.3	1

187	An exceptionally-high diffraction quality dodecaboride LUB12: Growth and single-crystal structure. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 692, 535-544	5.7	14
186	Paramagnetic Meissner effect in ZrB <sub>12</sub> single crystal with non-monotonic vortex-vortex interactions. <i>New Journal of Physics</i> , <b>2017</b> , 19, 093020	2.9	10
185	Superconductivity in Lu <sub>x</sub> Zr <sub>1-x</sub> B <sub>12</sub> Dodecaborides with Cage-Glass Crystal Structure. <i>Acta Physica Polonica A</i> , <b>2017</b> , 131, 1036-1038	0.6	2
184	Anisotropy of the Charge Transport in GdB <sub>6</sub> . <i>Acta Physica Polonica A</i> , <b>2017</b> , 131, 973-975	0.6	7
183	Anisotropy of Magnetoresistance in HoB <sub>12</sub> . <i>Acta Physica Polonica A</i> , <b>2017</b> , 131, 976-978	0.6	5
182	Charge Transport and Magnetism in Tm <sub>0.03</sub> Yb <sub>0.97</sub> B <sub>12</sub> . <i>Acta Physica Polonica A</i> , <b>2017</b> , 131, 985-987	0.6	
181	Suppression of superconductivity in Lu <sub>x</sub> Zr <sub>1-x</sub> B <sub>12</sub> : Evidence of static magnetic moments induced by nonmagnetic impurities. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	12
180	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
179	Quantum phase transitions in spiral magnets without an inversion center. <i>Physics-Uspekhi</i> , <b>2016</b> , 59, 559-583		2
178	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
177	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
176	Macroscopic evidence for Abrikosov-type magnetic vortexes in MnSi A-phase. <i>Scientific Reports</i> , <b>2016</b> , 6, 22101	4.9	17
175	Magnetic resonance anisotropy in CeB <sub>6</sub> : an entangled state of the art. <i>Scientific Reports</i> , <b>2016</b> , 6, 39196	4.9	9
174	Publisher's Note: Anomalies of magnetoresistance in Ce-based heavy fermion compounds [Low Temp. Phys. 41, 1011 (2015)]. <i>Low Temperature Physics</i> , <b>2016</b> , 42, 161-161	0.7	
173	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
172	Structural features of single crystals of LuB <sub>12</sub> upon a transition to the cage-glass phase. <i>Crystallography Reports</i> , <b>2016</b> , 61, 181-186	0.6	9
171	Transport properties of variously doped SmB <sub>6</sub> . <i>Philosophical Magazine</i> , <b>2016</b> , 96, 3274-3283	1.6	9
170	Raman scattering in ZrB <sub>12</sub> cage glass. <i>JETP Letters</i> , <b>2016</b> , 103, 674-679	1.2	6

169	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
168	Surface and bulk components of electrical conductivity in (presumably special topological) Kondo insulator SmB <sub>6</sub> at lowest temperatures. <i>Solid State Sciences</i> , <b>2015</b> , 47, 17-20	3.4	8
167	Anomalies of magnetoresistance in Ce-based heavy fermion compounds. <i>Low Temperature Physics</i> , <b>2015</b> , 41, 1011-1023	0.7	1
166	On the limits of application of Anderson and Kondo models in physics of strongly correlated electron systems. <i>Low Temperature Physics</i> , <b>2015</b> , 41, 544-546	0.7	2
165	Charge transport in Ho <sub>1-x</sub> Lu <sub>x</sub> B <sub>12</sub> : Separating positive and negative magnetoresistance in metals with magnetic ions. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	14
164	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
163	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
162	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
161	Hall Effect in GdB <sub>6</sub> . <i>Acta Physica Polonica A</i> , <b>2014</b> , 126, 348-349	0.6	
160	Defect Mode in LaB <sub>6</sub> . <i>Acta Physica Polonica A</i> , <b>2014</b> , 126, 350-351	0.6	8
159	Reentrant Metal-Insulator Transition in Ca <sub>1-x</sub> Eu <sub>x</sub> B <sub>6</sub> . <i>Acta Physica Polonica A</i> , <b>2014</b> , 126, 294-295	0.6	1
158	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
157	Magnetic properties of Ho <sub>1-x</sub> Lu <sub>x</sub> B <sub>12</sub> solid solutions. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 62, 1514-1516	0.6	1
156	Transport properties of Ho <sub>1-x</sub> Lu <sub>x</sub> B <sub>12</sub> solid solutions. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 62, 1547-1549	0.6	
155	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
154	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
153	Specific features of magnetoresistance during the antiferromagnet-paramagnet 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
152	Superconductivity in ZrB <sub>12</sub> and LuB <sub>12</sub> with Various Boron Isotopes. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2013</b> , 26, 1663-1667	1.5	17

- 151 Hall and transverse even effects in the vicinity of a quantum critical point in  $\text{Tm}_{1-x}\text{Yb}_x\text{B}_{12}$ . *Journal of Experimental and Theoretical Physics*, **2012**, 115, 509-526 1 16
- 150 Hall effect study in antiferromagnets  $\text{RB}_6$  (R-Pr, Nd). *Solid State Sciences*, **2012**, 14, 1601-1603 3-4 2
- 149 Influence of Lu substitution on the frustrated antiferromagnetic system  $\text{HoB}_{12}$ . *Solid State Sciences*, **2012**, 14, 1722-1724 3-4 3
- 148 Magnetic field enhancement of the Hall effect in diluted magnetic system  $\text{La}_{1-x}\text{Ce}_x\text{B}_6$  ( $x \in [0,1]$ ). *Solid State Sciences*, **2012**, 14, 1629-1631 3-4 3
- 147 Resonant magnetic exciton mode in the heavy-fermion antiferromagnet  $\text{CeB}_6$ . *Nature Communications*, **2012**, 3, 830 17-4 49
- 146 Suppression of Spin-Glass State in  $\text{PrB}_6$ . *Solid State Phenomena*, **2012**, 190, 221-224 0-4 3
- 145 New Magnetoresistance Results in  $\text{GdB}_6$ . *Solid State Phenomena*, **2012**, 190, 77-80 0-4 3
- 144 Magnetoresistance of  $\text{PrB}_6$  and  $\text{GdB}_6$ . *Journal of Physics: Conference Series*, **2012**, 400, 032003 0-3 4
- 143 Magnetic phase diagram of  $\text{MnSi}$  in the high-field region. *Physical Review B*, **2012**, 85, 3-3 34
- 142 Magnetic properties of vanadium oxide nanotubes and nanolayers. *Physical Review B*, **2011**, 84, 3-3 17
- 141 Is  $\text{MnSi}$  an itinerant-electron magnet? Results of ESR experiments. *JETP Letters*, **2011**, 93, 213-218 1-2 20
- 140  $^{10}\text{B}$ / $^{11}\text{B}$  isotope substitution and superconductivity in  $\text{ZrB}_{12}$ . *JETP Letters*, **2011**, 94, 642-646 1-2 6
- 139 Effects of disorder and isotopic substitution in the specific heat and Raman scattering in  $\text{LuB}_{12}$ . *Journal of Experimental and Theoretical Physics*, **2011**, 113, 468-482 1 54
- 138 Spin excitations of the correlated semiconductor  $\text{FeSi}$  probed by THz radiation. *Physical Review B*, **2011**, 84, 3-3 8
- 137 FM-AFM crossover in vanadium oxide nanomaterials. *JETP Letters*, **2010**, 91, 11-15 1-2 4
- 136 Anomalies of the specific heat near the quantum critical point in  $\text{Tm}_{0.74}\text{Yb}_{0.26}\text{B}_{12}$ . *JETP Letters*, **2010**, 91, 75-78 1-2 4
- 135 Anomalous Magnetism and Quantum Critical Phenomena in  $\text{VO}_x$  Multi-Walled Nanotubes. *Fullerenes Nanotubes and Carbon Nanostructures*, **2010**, 19, 27-33 1-8 2
- 134 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

133	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
132	Anisotropy of magnetoresistance in Pr <sub>11</sub> B <sub>6</sub> and NdB <sub>6</sub> . <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 032003	0.3	2
131	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
130	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
129	Isotope effect in charge transport of LuB <sub>12</sub> . <i>Journal of Experimental and Theoretical Physics</i> , <b>2010</b> , 111, 279-284	1	16
128	Quantum percolation transition in Eu <sub>1-x</sub> Ca <sub>x</sub> B <sub>6</sub> . <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 650-652	3	1
127	Charge Transport and Magnetism in Eu <sub>1-x</sub> Ca <sub>x</sub> B <sub>6</sub> . <i>Acta Physica Polonica A</i> , <b>2010</b> , 118, 891-892	0.6	1
126	Magnetic spin resonance in CeB <sub>6</sub> . <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	35
125	Electron spin resonance in EuB <sub>6</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	18
124	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
123	Anomalous magnetism and charge transport in dielectric La <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> (x ≈ 0.22). <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07D717	2.5	1
122	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
121	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
120	Antiferromagnetic instability and the metal-insulator transition in Tm <sub>1-x</sub> Yb <sub>x</sub> B <sub>12</sub> rare earth dodecaborides. <i>JETP Letters</i> , <b>2009</b> , 89, 256-259	1.2	15
119	Magnetoresistance and magnetic phase transitions in a Pr <sub>11</sub> B <sub>6</sub> antiferromagnet. <i>JETP Letters</i> , <b>2009</b> , 90, 152-155	1.2	1
118	Pulsed magnetic field study of the spin gap in intermediate valence compound SmB <sub>6</sub> . <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 2985-2987	2.8	7
117	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
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	Hall effect and magnetic ordering in RB12. <i>Low Temperature Physics</i> , <b>2009</b> , 35, 565-567	0.7	1
114	Crossover in the colossal magnetoresistance anisotropy in EuB6. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 022014	0.3	2
113	Bulk and local susceptibility of RB12(R = Ho, Er, Tm). <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 042011	0.3	2
112	Hall-effect anomalies near the quantum critical point in CeCu6-xAux. <i>Low Temperature Physics</i> , <b>2009</b> , 35, 544-555	0.7	6
111	Low temperature magnetotransport in RB6(R = Pr, Nd). <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 042005	0.3	2
110	Anomalous hall effect in HoB12. <i>JETP Letters</i> , <b>2008</b> , 86, 604-607	1.2	7
109	Magnetization anisotropy in the AFM and SDW phases of CeB6. <i>JETP Letters</i> , <b>2008</b> , 88, 318-321	1.2	4
108	Comments on magnetic phase separation in Europium hexaboride and its relation to the Kondo interaction [by T. S. Al'khuler 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
107	Hopping Conductivity Spectroscopy of Carbon Nanocluster Materials. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2008</b> , 16, 445-453	1.8	1
106	New Magneto-Optical Effect in Co-Doped CuGeO3. <i>Applied Magnetic Resonance</i> , <b>2008</b> , 33, 3-9	0.8	1
105	Pauli paramagnetism enhancement and unusual magnetic ordering in CeB6. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 742-743	2.8	1
104	A huge renormalization of transport effective mass in the magnetic-polaronic state of EuB6. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 820-821	2.8	7
103	Approaching to YbB12: Spin fluctuation effects in charge transport of RB12 (R=Ho, Er, Tm, Lu). <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 822-823	2.8	
102	Quantum criticality in Ce(Al1-xCox)2. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 824-825	2.8	1
101	High-frequency electron spin resonance probing of magnetic polaron formation in EuB6. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 932-933	2.8	8
100	An adequate interpretation of charge transport for a dilute La1-xCexB6 system. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 1393-1394	2.8	3
99	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
98	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



97	Bulk and Local Magnetic Susceptibility of ErB12. <i>Acta Physica Polonica A</i> , <b>2008</b> , 113, 271-274	0.6	3
96	Phonon Drag and Magnetic Anomalies of Thermopower in RB12(R = Ho, Er, Tm, Lu). <i>Acta Physica Polonica A</i> , <b>2008</b> , 113, 275-278	0.6	4
95	Magnetic ordering in HoB12 below and above TN. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1727-1729	2.8	9
94	Enhancement of band magnetism and features of the magnetically ordered state in the CeB6 compound with strong electron correlations. <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 104, 120-138	1	36
93	Thermopower of RB12 dodecaborides (R = Ho, Er, Tm, Lu). <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 105, 55-57	1	1
92	Anomalous thermopower in heavy-fermion compounds CeB6, CeAl3, and CeCu6 1-x Au x. <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 105, 58-61	1	8
91	Hall effect in the Ce(Al1 1-x Co x )2 heavy-fermion system. <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 105, 108-111	1	3
90	Magnetic and transport properties of colossal magnetoresistance compound EuB6. <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 105, 132-134	1	9
89	Anomalous polarization characteristics of magnetic resonance in a quasi-one-dimensional CuGeO3: Co magnet. <i>Physics of the Solid State</i> , <b>2007</b> , 49, 1295-1304	0.8	8
88	Quantum Criticality and Collective Effects in Low-Dimensional Magnet CuGeO3:Fe Probed by High Frequency EPR. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2007</b> , 20, 105-108	1.5	4
87	Polarization Effect in ESR of Co Doped CuGeO3. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2007</b> , 20, 109-112	1.5	1
86	Antiferro-quadrupole resonance in CeB6. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 378-380, 602-603	2.8	7
85	Anomalous charge transport in CeB6. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 2805-2808	3.3	3
84	Magnetoresistance and magnetization anomalies in CeB6. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 2819-2822	3.3	5
83	Heavy fermions and quantum critical behavior in CeCu6 1-x Au x (x=00.2) and CeAl3. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 300, e288-e290	2.8	4
82	Low-temperature study of the quantum critical phenomena in CuGeO3:Fe. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 300, e346-e349	2.8	3
81	Bulk and local magnetic susceptibility in CeAl2 and CeB6. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 300, e1-e3	2.8	3
80	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

79	Anomalous charge transport in RB12 (R = Ho, Er, Tm, Lu). <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, R63-R65	1.3	21
78	Phonon drag induced by Einstein mode in ZrB12. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, R72-R74		13
77	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
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74	The regimes of charge transport in CeB6. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 378-380, 780-781	2.8	4
73	An observation of electron phase transition in SmB6 at low temperatures. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 2871-2874	3.3	1
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71	Magnetoresistance anomaly at the transition to coherent state in SmB6. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 378-380, 612-613	2.8	2
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69	Charge transport in correlated metallic state of FeSi. <i>Physica B: Condensed Matter</i> , <b>2005</b> , 359-361, 1165-1167	2.8	1
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62	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

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59	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
58	The regime of strong Hubbard correlations and magnetic ground state formation in FeSi. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 258-259, 222-224	2.8	1
57	Low temperature transport anomalies in magnetic Kondo-lattice CeAl <sub>2</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 258-259, 225-227	2.8	
56	Quantum critical point in CuGeO <sub>3</sub> doped with magnetic impurities. <i>Physica B: Condensed Matter</i> , <b>2003</b> , 329-333, 715-716	2.8	9
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54	Electron transport in carbynes modified under high pressure. <i>JETP Letters</i> , <b>2003</b> , 78, 511-519	1.2	11
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51	Cyclotron resonance and the de Haas-van Alfvén effect in the (BEDT-TTF) <sub>8</sub> Hg <sub>4</sub> Cl <sub>12</sub> (C <sub>6</sub> H <sub>5</sub> Cl) <sub>2</sub> organic conductor. <i>Physics of the Solid State</i> , <b>2002</b> , 44, 210-215	0.8	
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23	Non-Traditional Carbon Semiconductors Prepared from Fullerite C <sub>60</sub> and Carbyne under High Pressure <b>1999</b> , 211, 401		1
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