

# Gennadiy E Grechnev

## List of Publications by Year in descending order

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papers

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docs citations

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981  
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#	ARTICLE	IF	CITATIONS
1	Electronic and structural properties of $\text{La}_{1-x}\text{Pr}_x\text{CoO}_3$ compounds. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000085.	1.5	2
2	Effect of hydrostatic pressure on the magnetic susceptibility of $\text{MnF}_2$ single crystal. <i>Low Temperature Physics</i> , 2021, 47, 863-866.	0.6	2
3	The effect of temperature and pressure on the spin state of cobalt ions in $\text{La}_{1-x}\text{Pr}_x\text{CoO}_3$ compounds. <i>Low Temperature Physics</i> , 2020, 46, 606-614.	0.6	2
4	Effects of Temperature and Pressure on the Magnetic Properties of $\text{La}_{1-x}\text{Pr}_x\text{CoO}_3$ . <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000085.	1.5	2
5	Magnetic properties of $\text{RCO}_3$ cobaltites ( $\text{R} = \text{La, Pr, Nd, Sm, Eu}$ ). Effects of hydrostatic and chemical pressure. <i>Physica B: Condensed Matter</i> , 2019, 553, 80-87.	2.7	17
6	Pressure effect on magnetic susceptibility of $\text{LaCoO}_3$ . <i>Low Temperature Physics</i> , 2018, 44, 328-333.	0.6	9
7	Structure and Properties of $\text{MgB}_2$ Bulks, Thin Films, and Wires. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-5.	1.7	10
8	Magnetovolume effect in the exchange-enhanced itinerant paramagnet $\text{YCo}_2$ : Theory and experiment. <i>Low Temperature Physics</i> , 2017, 43, 597-601.	0.6	5
9	Pressure effect on magnetic susceptibility of $\text{SmS}$ in the black phase. <i>Journal of Alloys and Compounds</i> , 2017, 695, 1647-1652.	5.5	3
10	Pinning in high performance $\text{MgB}_2$ thin films and bulks: Role of Mg-B-O nano-scale inhomogeneities. <i>Physica C: Superconductivity and Its Applications</i> , 2017, 533, 36-39.	1.2	11
11	Structure and superconducting characteristics of magnesium diboride, substitution of boron atoms by oxygen and carbon. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 279, 012023.	0.6	1
12	Pinning and trapped field in $\text{MgB}_2$ - and $\text{MT-YBaCuO}$ bulk superconductors manufactured under pressure. <i>Journal of Physics: Conference Series</i> , 2016, 695, 012001.	0.4	1
13	Features of the electronic structure of the ternary superconductors $\text{RRh}_4\text{B}_4$ ( $\text{R} = \text{Y, Lu}$ ). <i>Low Temperature Physics</i> , 2016, 42, 26-30.	0.6	3
14	Formation of nanostructure in magnesium diboride based materials with high superconducting characteristics. <i>Low Temperature Physics</i> , 2016, 42, 380-394.	0.6	16
15	Electronic structure and magnetic properties of $\text{RT}_4\text{Al}_8$ ( $\text{R} = \text{Sc, Y, La, Lu}$ ; $\text{T} = \text{Fe, Mn, Cr}$ ) compounds. Hydrostatic pressure effects. <i>Low Temperature Physics</i> , 2016, 42, 458-465.	0.6	2
16	Publisher's Note: Features of the electron structure of $\text{FeTe}$ compounds. [ <i>Low Temp. Phys.</i> 41, 990 (2015)]. <i>Low Temperature Physics</i> , 2016, 42, 162-162.	0.6	0
17	Electronic Structure and Magnetic Properties of $\text{FeTe}$ , $\text{BiFeO}_3$ , $\text{SrFe}_{12}\text{O}_{19}$ and $\text{SrCoTiFe}_{10}\text{O}_{19}$ Compounds. <i>Ukrainian Journal of Physics</i> , 2016, 61, 523-530.	0.2	4
18	Features of the electronic structure of $\text{FeTe}$ compounds. <i>Low Temperature Physics</i> , 2015, 41, 990-995.	0.6	0

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19	Magnetic properties of Mn-doped $\text{Bi}_2\text{Se}_3$ compound: temperature dependence and pressure effects. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 456002.	1.8	6
20	Specific features of the magnetic properties of $\text{RB}_4$ (R = Ce, Sm and Yb) tetraborides. Effects of pressure. <i>Low Temperature Physics</i> , 2015, 41, 193-198.	0.6	6
21	Magnetoresistance and electrical resistivity of N-doped multi-walled carbon nanotubes at low temperatures. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1402-1409.	1.5	17
22	Effect of pressure on the magnetic properties of multiferroic $\text{BiFeO}_3$ . <i>Low Temperature Physics</i> , 2015, 41, 528-533.	0.6	8
23	Magnetic Properties of $\text{MeB}_{50}$ (Me = 3d Atom) Compounds. <i>Acta Physica Polonica A</i> , 2014, 126, 400-401.	0.5	0
24	Interrelation of superconductivity and magnetism in $\text{FeSe}_{1-x}\text{Te}_x$ compounds. Pressure effects. <i>Low Temperature Physics</i> , 2014, 40, 615-620.	0.6	7
25	Features of the electronic structure of the layered superconductors $\text{RNi}_2\text{B}_2\text{C}$ , $\text{RFe}_4\text{Al}_8$ , and $\text{FeSe}$ . <i>Low Temperature Physics</i> , 2014, 40, 311-317.	0.6	3
26	De Haas-van Alphen effect in the band antiferromagnet $\text{FeGe}_2$ : Development of spin splitting. <i>Low Temperature Physics</i> , 2014, 40, 384-387.	0.6	3
27	Anisotropy of magnetic properties of $\text{Fe}_{1+y}\text{Te}$ . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 436003.	1.8	2
28	Electronic structure and magnetic properties of graphite intercalated with 3d-metals. <i>Low Temperature Physics</i> , 2014, 40, 450-453.	0.6	8
29	Magnetic properties of superconducting $\text{FeSe}$ in the normal state. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 046004.	1.8	16
30	Magnetic properties of N-doped multi-walled carbon nanotubes. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2013, 44, 136-138.	0.9	2
31	Effects of pressure on magnetic properties of gadolinium. <i>Physica B: Condensed Matter</i> , 2012, 407, 4143-4147.	2.7	1
32	Magnetic properties of novel $\text{FeSe}(\text{Te})$ superconductors. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3460-3463.	2.3	10
33	Pressure effects on magnetic properties and electronic structure of $\text{EuB}_6$ and $\text{GdB}_6$ . <i>Journal of Alloys and Compounds</i> , 2012, 511, 5-8.	5.5	8
34	Magnetoresistance of nanocarbon materials based on carbon nanotubes. <i>Low Temperature Physics</i> , 2011, 37, 819-823.	0.6	11
35	Effect of pressure on the magnetic properties of $\text{YNi}_5$ , $\text{LaNi}_5$ , and $\text{CeNi}_5$ . <i>Low Temperature Physics</i> , 2011, 37, 138-143.	0.6	11
36	Magnetic and superconducting properties of $\text{FeSe}_{1-x}\text{Te}_x$ ( $x = 0, 0.5$ , and $1.0$ ). <i>Low Temperature Physics</i> , 2011, 37, 83-89.	0.6	26

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37	Pressure effects on the magnetic susceptibility of $\text{FeTe}_{1-x}\text{S}_x$ ( $x \leq 1.0$ ). <i>Journal of Physics Condensed Matter</i> , 2011, 23, 325701.	1.8	10
38	Magnetic properties of multi-walled carbon nanotubes modified with cobalt. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2011, 42, 29-32.	0.9	4
39	Structure and magnetic properties of multi-walled carbon nanotubes modified with cobalt. <i>Carbon</i> , 2011, 49, 4443-4448.	10.3	26
40	Effect of pressure on magnetic properties of the fluctuating-valence system $\text{Ce}(\text{Ni}_{1-x}\text{Cu}_x)_5$ . <i>Low Temperature Physics</i> , 2011, 37, 847-851.	0.6	3
41	Structure and magnetic properties of multi-walled carbon nanotubes modified with iron. <i>Low Temperature Physics</i> , 2010, 36, 1086-1090.	0.6	23
42	Magnetic properties and electronic structure of $\text{LaFeAsO}_{0.85}\text{F}_{0.1}$ . <i>Low Temperature Physics</i> , 2010, 36, 230-235.	0.6	4
43	Anisotropy of the magnetic properties and the electronic structure of transition-metal diborides. <i>Low Temperature Physics</i> , 2009, 35, 862-868.	0.6	12
44	Magnetic-field-induced effects in the electronic structure of itinerant d- and f-metal systems. <i>Low Temperature Physics</i> , 2009, 35, 638-651.	0.6	19
45	Electronic structure and magnetic properties of transition metal diborides. <i>Journal of Alloys and Compounds</i> , 2009, 481, 75-80.	5.5	31
46	Hall effect and magnetic ordering in $\text{RB}_{12}$ . <i>Low Temperature Physics</i> , 2009, 35, 565-567.	0.6	2
47	Effect of pressure on the magnetic properties of $\text{CrB}_2$ . <i>Low Temperature Physics</i> , 2009, 35, 531-535.	0.6	3
48	Electronic structure and bulk properties of $\text{MB}_6$ and $\text{MB}_{12}$ borides. <i>Low Temperature Physics</i> , 2008, 34, 921-929.	0.6	52
49	Anomalous Diamagnetism of $\text{YbPb}_3$ Compound: Pressure Effects. <i>Acta Physica Polonica A</i> , 2008, 113, 243-246.	0.5	0
50	Anomalous magnetism of $\text{YbPb}_3$ : the effect of pressure. <i>Low Temperature Physics</i> , 2007, 33, 1028-1032.	0.6	1
51	Electronic structure, bulk and magnetic properties of $\text{MB}_6$ and $\text{MB}_{12}$ borides. <i>Journal of Alloys and Compounds</i> , 2007, 442, 228-230.	5.5	34
52	Fermi surface of $\text{ErGa}_3$ . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 3879-3882.	0.8	4
53	Features of the electronic spectrum and anomalous magnetism in the compounds $\text{YbPb}_3$ , $\text{YbSn}_3$ , $\text{CaPb}_3$ , and $\text{CaSn}_3$ . <i>Low Temperature Physics</i> , 2006, 32, 849-856.	0.6	5
54	Electronic structure and magnetic properties of $\text{RNi}_5\text{As}_x\text{Cu}_x$ alloys ( $R=\text{Y, La, Ce}$ ). <i>Low Temperature Physics</i> , 2006, 32, 1140-1146.	0.6	11

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55	Electronic spectra and magnetic properties of RB6, RB12 and RB2C2 borides. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 229-232.	0.8	3
56	Pressure effect on the Fermi surface and electronic structure of LuGa3 and TmGa3. <i>Low Temperature Physics</i> , 2005, 31, 313-320.	0.6	6
57	Pressure Effects on Magnetic Properties and Electronic Structure of GdIn3-xSnx Alloys. <i>European Physical Journal D</i> , 2004, 54, 351-354.	0.4	1
58	Peculiarities of Diamagnetic Susceptibility in RM 3 Compounds and Alloys. <i>European Physical Journal D</i> , 2004, 54, 355-358.	0.4	5
59	Pressure Effect on Magnetic Properties of UX 3 (X=Al, Ga, In, Si, Ge) Compounds. <i>European Physical Journal D</i> , 2004, 54, 359-362.	0.4	2
60	<title>Electronic structure and optical spectra of novel rechargeable lithium batteries</title>. , 2004, , .		1
61	Electronic structure and magnetic properties of lithium manganese spinels. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 258-259, 287-289.	2.3	5
62	Electronic structure and magnetic properties of GdM2 compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 258-259, 520-522.	2.3	9
63	Anomalous diamagnetism in the intermetallic compounds CaPb3 and YbPb3. <i>Low Temperature Physics</i> , 2003, 29, 356-358.	0.6	8
64	Magnetic susceptibility of hcp iron and the seismic anisotropy of Earth's inner core. <i>Physical Review B</i> , 2003, 68, .	3.2	27
65	Stabilization of potential superhard RuO2 phases: A theoretical study. <i>Physical Review B</i> , 2002, 66, .	3.2	17
66	Electronic structure, magnetic, and cohesive properties of LiMn2O4: Theory. <i>Physical Review B</i> , 2002, 65, .	3.2	52
67	Effect of pressure on the magnetic susceptibility of CeCo2. <i>Physica B: Condensed Matter</i> , 2002, 319, 268-276.	2.7	11
68	The Fermi surface of ErGa3. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 4507-4516.	1.8	15
69	Band structure and Fermi surface of TmGa3. <i>Physical Review B</i> , 1999, 59, 7893-7900.	3.2	14
70	Magnetovolume effect in UGa3. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 192, 137-147.	2.3	22
71	Effect of pressure on the Fermi surface and electronic structure of ErGa3. <i>Low Temperature Physics</i> , 1999, 25, 670-676.	0.6	6
72	Atomic Volume Effect on Electronic Structure and Magnetic Properties of UGa3 Compound. , 1998, , 323-335.		0

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73	The effect of pressure on the magnetic susceptibility of alloys. Journal of Physics Condensed Matter, 1997, 9, 6921-6930.	1.8	6
74	Electron structure of diborides of 3d metals. Low Temperature Physics, 1997, 23, 217-219.	0.6	12
75	Pressure effect on electronic structure and magnetic properties of RNi5. Physica B: Condensed Matter, 1997, 237-238, 532-533.	2.7	7
76	Pressure effect on the itinerant magnetism of MnSi and FeSi. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 711-712.	2.3	5
77	Magnetovolume effect in paramagnetic alloys of CeIn3-Sn. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 677-678.	2.3	2
78	Effect of pressure on magnetic properties of U(Ga1-Sn)3 alloys. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 702-703.	2.3	7
79	The pressure effect on the enhanced itinerant paramagnetism of Ni3Al and TiCo compounds. Journal of Physics Condensed Matter, 1995, 7, 3173-3180.	1.8	13
80	Conduction-electron-mediated exchange coupling in heavy rare earth metal compounds RM and RM3. Journal of Alloys and Compounds, 1995, 226, 107-112.	5.5	22
81	Itinerant magnetism and electronic properties of FeGe2. Journal of Physics Condensed Matter, 1991, 3, 7199-7208.	1.8	10
82	Conduction-electron-factors in the noble metals. Physical Review B, 1989, 39, 9865-9873.	3.2	13
83	Structure and properties of MgB <sub>2</sub> bulks: <i>ab-initio</i> simulations compared to experiment. IOP Conference Series: Materials Science and Engineering, 0, 756, 012020.	0.6	2