

Gennadiy E Grechnev

List of Publications by Year in descending order

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83
papers

782
citations

567281

15
h-index

642732

23
g-index

84
all docs

84
docs citations

84
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic structure, magnetic, and cohesive properties of $\text{Li}_x\text{Mn}_2\text{O}_4$: Theory. <i>Physical Review B</i> , 2002, 65, .	3.2	52
2	Electronic structure and bulk properties of MB_6 and MB_{12} borides. <i>Low Temperature Physics</i> , 2008, 34, 921-929.	0.6	52
3	Electronic structure, bulk and magnetic properties of MB_6 and MB_{12} borides. <i>Journal of Alloys and Compounds</i> , 2007, 442, 228-230.	5.5	34
4	Electronic structure and magnetic properties of transition metal diborides. <i>Journal of Alloys and Compounds</i> , 2009, 481, 75-80.	5.5	31
5	Magnetic susceptibility of hcp iron and the seismic anisotropy of Earth's inner core. <i>Physical Review B</i> , 2003, 68, .	3.2	27
6	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
7	Structure and magnetic properties of multi-walled carbon nanotubes modified with cobalt. <i>Carbon</i> , 2011, 49, 4443-4448.	10.3	26
8	Structure and magnetic properties of multi-walled carbon nanotubes modified with iron. <i>Low Temperature Physics</i> , 2010, 36, 1086-1090.	0.6	23
9	Conduction-electron-mediated exchange coupling in heavy rare earth metal compounds RM and RM_3 . <i>Journal of Alloys and Compounds</i> , 1995, 226, 107-112.	5.5	22
10	Magnetovolume effect in UGa_3 . <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 192, 137-147.	2.3	22
11	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
12	Stabilization of potential superhard RuO_2 phases: A theoretical study. <i>Physical Review B</i> , 2002, 66, .	3.2	17
13	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
14	Magnetic properties of RCoO_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
15	Magnetic properties of superconducting FeSe in the normal state. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 046004.	1.8	16
16	Formation of nanostructure in magnesium diboride based materials with high superconducting characteristics. <i>Low Temperature Physics</i> , 2016, 42, 380-394.	0.6	16
17	The Fermi surface of ErGa_3 . <i>Journal of Physics Condensed Matter</i> , 1999, 11, 4507-4516.	1.8	15
18	Band structure and Fermi surface of TmGa_3 . <i>Physical Review B</i> , 1999, 59, 7893-7900.	3.2	14

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19	Conduction-electrongfactors in the noble metals. Physical Review B, 1989, 39, 9865-9873.	3.2	13
20	The pressure effect on the enhanced itinerant paramagnetism of Ni ₃ Al and TiCo compounds. Journal of Physics Condensed Matter, 1995, 7, 3173-3180.	1.8	13
21	Electron structure of diborides of 3d metals. Low Temperature Physics, 1997, 23, 217-219.	0.6	12
22	Anisotropy of the magnetic properties and the electronic structure of transition-metal diborides. Low Temperature Physics, 2009, 35, 862-868.	0.6	12
23	Effect of pressure on the magnetic susceptibility of CeCo ₂ . Physica B: Condensed Matter, 2002, 319, 268-276.	2.7	11
24	Electronic structure and magnetic properties of RNi ₅ ~ ^x Cu _x alloys (R=Y, La, Ce). Low Temperature Physics, 2006, 32, 1140-1146.	0.6	11
25	Magnetoresistance of nanocarbon materials based on carbon nanotubes. Low Temperature Physics, 2011, 37, 819-823.	0.6	11
26	Effect of pressure on the magnetic properties of YNi ₅ , LaNi ₅ , and CeNi ₅ . Low Temperature Physics, 2011, 37, 138-143.	0.6	11
27	Pinning in high performance MgB ₂ thin films and bulks: Role of Mg-B-O nano-scale inhomogeneities. Physica C: Superconductivity and Its Applications, 2017, 533, 36-39.	1.2	11
28	Itinerant magnetism and electronic properties of FeGe ₂ . Journal of Physics Condensed Matter, 1991, 3, 7199-7208.	1.8	10
29	Pressure effects on the magnetic susceptibility of FeTe _x (x=1.0). Journal of Physics Condensed Matter, 2011, 23, 325701.	1.8	10
30	Magnetic properties of novel FeSe(Te) superconductors. Journal of Magnetism and Magnetic Materials, 2012, 324, 3460-3463.	2.3	10
31	Structure and Properties of MgB ₂ Bulks, Thin Films, and Wires. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	10
32	Electronic structure and magnetic properties of GdM ₂ compounds. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 520-522.	2.3	9
33	Pressure effect on magnetic susceptibility of LaCoO ₃ . Low Temperature Physics, 2018, 44, 328-333.	0.6	9
34	Anomalous diamagnetism in the intermetallic compounds CaPb ₃ and YbPb ₃ . Low Temperature Physics, 2003, 29, 356-358.	0.6	8
35	Pressure effects on magnetic properties and electronic structure of EuB ₆ and GdB ₆ . Journal of Alloys and Compounds, 2012, 511, 5-8.	5.5	8
36	Electronic structure and magnetic properties of graphite intercalated with 3d-metals. Low Temperature Physics, 2014, 40, 450-453.	0.6	8

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37	Effect of pressure on the magnetic properties of multiferroic BiFeO ₃ . Low Temperature Physics, 2015, 41, 528-533.	0.6	8
38	Effect of pressure on magnetic properties of U(Ga _{1-x} Sn _x) ₃ alloys. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 702-703.	2.3	7
39	Pressure effect on electronic structure and magnetic properties of RNi ₅ . Physica B: Condensed Matter, 1997, 237-238, 532-533.	2.7	7
40	Interrelation of superconductivity and magnetism in FeSe _{1-x} Tex compounds. Pressure effects. Low Temperature Physics, 2014, 40, 615-620.	0.6	7
41	The effect of pressure on the magnetic susceptibility of alloys. Journal of Physics Condensed Matter, 1997, 9, 6921-6930.	1.8	6
42	Effect of pressure on the Fermi surface and electronic structure of ErGa ₃ . Low Temperature Physics, 1999, 25, 670-676.	0.6	6
43	Pressure effect on the Fermi surface and electronic structure of LuGa ₃ and TmGa ₃ . Low Temperature Physics, 2005, 31, 313-320.	0.6	6
44	Magnetic properties of Mn-doped Bi ₂ Se ₃ compound: temperature dependence and pressure effects. Journal of Physics Condensed Matter, 2015, 27, 456002.	1.8	6
45	Specific features of the magnetic properties of RB ₄ (R = Ce, Sm and Yb) tetraborides. Effects of pressure. Low Temperature Physics, 2015, 41, 193-198.	0.6	6
46	Pressure effect on the itinerant magnetism of MnSi and FeSi. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 711-712.	2.3	5
47	Electronic structure and magnetic properties of lithium manganese spinels. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 287-289.	2.3	5
48	Peculiarities of Diamagnetic Susceptibility in RM ₃ Compounds and Alloys. European Physical Journal D, 2004, 54, 355-358.	0.4	5
49	Features of the electronic spectrum and anomalous magnetism in the compounds YbPb ₃ , YbSn ₃ , CaPb ₃ , and CaSn ₃ . Low Temperature Physics, 2006, 32, 849-856.	0.6	5
50	Magnetovolume effect in the exchange-enhanced itinerant paramagnet YCo ₂ : Theory and experiment. Low Temperature Physics, 2017, 43, 597-601.	0.6	5
51	Fermi surface of ErGa ₃ . Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 3879-3882.	0.8	4
52	Magnetic properties and electronic structure of LaFeAsO _{0.85} F _{0.1} . Low Temperature Physics, 2010, 36, 230-235.	0.6	4
53	Magnetic properties of multi-walled carbon nanotubes modified with cobalt. Materialwissenschaft Und Werkstofftechnik, 2011, 42, 29-32.	0.9	4
54	Electronic Structure and Magnetic Properties of FeTe, BiFeO ₃ , SrFe ₁₂ O ₁₉ and SrCoTiFe ₁₀ O ₁₉ Compounds. Ukrainian Journal of Physics, 2016, 61, 523-530.	0.2	4

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55	Electronic spectra and magnetic properties of RB6, RB12 and RB2C2 borides. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 229-232.	0.8	3
56	Effect of pressure on the magnetic properties of CrB2. Low Temperature Physics, 2009, 35, 531-535.	0.6	3
57	Effect of pressure on magnetic properties of the fluctuating-valence system Ce(Ni $_{1-x}$ Cu $_x$) $_5$. Low Temperature Physics, 2011, 37, 847-851.	0.6	3
58	Features of the electronic structure of the layered superconductors RNi $_2$ B $_2$ C, RFe $_4$ Al $_8$, and FeSe. Low Temperature Physics, 2014, 40, 311-317.	0.6	3
59	De Haas-van Alphen effect in the band antiferromagnet FeGe $_2$: Development of spin splitting. Low Temperature Physics, 2014, 40, 384-387.	0.6	3
60	Features of the electronic structure of the ternary superconductors RRh $_4$ B $_4$ (R = Y, Lu). Low Temperature Physics, 2016, 42, 26-30.	0.6	3
61	Pressure effect on magnetic susceptibility of SmS in the α -phase. Journal of Alloys and Compounds, 2017, 695, 1647-1652.	5.5	3
62	Magnetovolume effect in paramagnetic alloys of CeIn $_3$ -Sn. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 677-678.	2.3	2
63	Pressure Effect on Magnetic Properties of LIX $_3$ (X=Al, Ga, In, Si, Ge) Compounds. European Physical Journal D, 2004, 54, 359-362.	0.4	2
64	Hall effect and magnetic ordering in RB12. Low Temperature Physics, 2009, 35, 565-567.	0.6	2
65	Magnetic properties of N-doped multi-walled carbon nanotubes. Materialwissenschaft Und Werkstofftechnik, 2013, 44, 136-138.	0.9	2
66	Anisotropy of magnetic properties of Fe $_{1+y}$ Te. Journal of Physics Condensed Matter, 2014, 26, 436003.	1.8	2
67	Electronic structure and magnetic properties of RT $_4$ Al $_8$ (R = Sc, Y, La, Lu; T = Fe, Mn, Cr) compounds. Hydrostatic pressure effects. Low Temperature Physics, 2016, 42, 458-465.	0.6	2
68	The effect of temperature and pressure on the spin state of cobalt ions in La $_{1-x}$ Pr $_x$ CoO $_3$ compounds. Low Temperature Physics, 2020, 46, 606-614.	0.6	2
69	Structure and properties of MgB $_2$ bulks: <i>ab-initio</i> simulations compared to experiment. IOP Conference Series: Materials Science and Engineering, 0, 756, 012020.	0.6	2
70	Effects of Temperature and Pressure on the Magnetic Properties of La $_{1-x}$ Pr $_x$ CoO $_3$. Physica Status Solidi (B): Basic Research, 2020, 257, 2000085.	1.5	2
71	Effects of Temperature and Pressure on the Magnetic Properties of La $_{1-x}$ Pr $_x$ CoO $_3$. Physica Status Solidi (B): Basic Research, 2020, 257, 2000085.	1.5	2
72	Effect of hydrostatic pressure on the magnetic susceptibility of MnF $_2$ single crystal. Low Temperature Physics, 2021, 47, 863-866.	0.6	2

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73	Pressure Effects on Magnetic Properties and Electronic Structure of GdIn _{3-x} Sn _x Alloys. European Physical Journal D, 2004, 54, 351-354.	0.4	1
74	<title>Electronic structure and optical spectra of novel rechargeable lithium batteries</title>. , 2004, , .		1
75	Anomalous magnetism of YbPb ₃ : the effect of pressure. Low Temperature Physics, 2007, 33, 1028-1032.	0.6	1
76	Effects of pressure on magnetic properties of gadolinium. Physica B: Condensed Matter, 2012, 407, 4143-4147.	2.7	1
77	Pinning and trapped field in MgB ₂ - and MT-YBaCuO bulk superconductors manufactured under pressure. Journal of Physics: Conference Series, 2016, 695, 012001.	0.4	1
78	Structure and superconducting characteristics of magnesium diboride, substitution of boron atoms by oxygen and carbon. IOP Conference Series: Materials Science and Engineering, 2017, 279, 012023.	0.6	1
79	Magnetic Properties of MeB ₅₀ (Me = 3d Atom) Compounds. Acta Physica Polonica A, 2014, 126, 400-401.	0.5	0
80	Features of the electronic structure of FeTe compounds. Low Temperature Physics, 2015, 41, 990-995.	0.6	0
81	Publisher's Note: "Features of the electron structure of FeTe compounds" [Low Temp. Phys. 41, 990 (2015)]. Low Temperature Physics, 2016, 42, 162-162.	0.6	0
82	Anomalous Diamagnetism of YbPb ₃ Compound: Pressure Effects. Acta Physica Polonica A, 2008, 113, 243-246.	0.5	0
83	Atomic Volume Effect on Electronic Structure and Magnetic Properties of UGa ₃ Compound. , 1998, , 323-335.		0