Alexey Lukoyanov

List of Publications by Year
in descending order

171	1,869	331259 21	315357 38
papers	citations	h-index	g-index

174	174	174	1843
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Collapse of magnetic moment drives the Mott transition in MnO. Nature Materials, 2008, 7, 198-202.	13.3	175
2	Magnetic state and electronic structure of theÎ´andÎ±phases of metallic Pu and its compounds. Physical Review B, 2005, 72, .	1.1	144
3	NiO: Correlated Band Structure of a Charge-Transfer Insulator. Physical Review Letters, 2007, 99, 156404.	2.9	134
4	Local correlations and hole doping in NiO: A dynamical mean-field study. Physical Review B, 2007, 75, .	1.1	99
5	Doped Mott Insulator as the Origin of Heavy-Fermion Behavior inLiV2O4. Physical Review Letters, 2007, 98, 166402.	2.9	55
6	Metal-insulator transitions and magnetism in correlated band insulators: FeSi and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2010, 81, .	1.1	55
7	The role of transition metal impurities and oxygen vacancies in the formation of ferromagnetism in Co-doped TiO2. Journal of Physics Condensed Matter, 2006, 18, 1695-1704.	0.7	48
8	Origin of large thermopower inLiRh2O4: Calculation of the Seebeck coefficient by the combination of local density approximation and dynamical mean-field theory. Physical Review B, 2008, 78, .	1.1	46
9	The semiconductor-to-ferromagnetic-metal transition in FeSb2. European Physical Journal B, 2006, 53, 205-207.	0.6	45
10	Evolution of the electronic structure and physical properties of Fe₂MeAl (Me = Ti, V, Cr) Heusler alloys. Journal of Physics Condensed Matter, 2008, 20, 045212.	0.7	38
11	Ab initioexchange interactions and magnetic properties of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Gd</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu sublattice: Rhombohedral versus hexagonal phases. Physical Review B, 2009, 80, .	1.1	34
12	Effect of complex magnetic structure on the magnetocaloric and magneto-transport properties in GdCuSi. Journal of Materials Science, 2015, 50, 5723-5728.	1.7	33
13	Electronic structure of nonstoichiometric compounds in the coherent potential approximation. JETP Letters, 2012, 94, 806-810.	0.4	32
14	Vacancies in ordered and disordered titanium monoxide: Mechanism of B1 structure stabilization. Journal of Solid State Chemistry, 2013, 204, 146-152.	1.4	32
15	Magnetic and electrical properties of the half-metallic ferromagnets Co2CrAl. Physics of the Solid State, 2013, 55, 977-985.	0.2	30
16	Electronic structure, magnetic, and optical properties of the intermetallic compoundsR2Fe17(R=Pr,Gd). Physical Review B, 2006, 73, .	1.1	29
17	Structural stability and magnetic properties of Mn2FeAl alloy with a Î²-Mn structure. Journal of Magnetism and Magnetic Materials, 2020, 513, 167205.	1.0	27
18	Magnetism in RRhGe (R=Tb, Dy, Er, Tm): An experimental and theoretical study. Journal of Alloys and Compounds, 2015, 640, 56-63.	2.8	26

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19	Impression of magnetic clusters, critical behavior and magnetocaloric effect in Fe₃Al alloys. Physical Chemistry Chemical Physics, 2019, 21, 10823-10833.	1.3	24
20	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>LDA</mml:mtext><mml:mo>+</mml:mo><mml:mtext>DMFT</mml:mtext></mml:mrow></m functions and effective electron mass enhancement in the superconductor LaFePO. Physical Review B, 2010, 81, .	1.1	23
21	LDA+DMFT study of magnetic transition and metallization in CoO under pressure. JETP Letters, 2012, 96, 56-60.	0.4	21
22	Electronic structure and optical spectroscopy studies of HoNi₅ and ErNi₅ compounds doped with Cu. Physica Status Solidi (B): Basic Research, 2012, 249, 824-828.	0.7	21
23	The magnetic, electronic and optical properties of HoRhGe. Journal Physics D: Applied Physics, 2014, 47, 365002.	1.3	21
24	Pressure-driven metal-insulator transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></m dynamical mean-field theory. Physical Review B, 2015, 92, .	1.1	21
25	Optical conductivity of ortho-IIYBa2Cu3O6.5. Physical Review B, 2005, 71, .	1.1	18
26	Sm2Fe17and Tm2Fe17: electronic structure, magnetic and optical properties. Journal of Physics Condensed Matter, 2007, 19, 116215.	0.7	17
27	Electronic structure of disordered titanium monoxide TiO y depending on stoichiometry. JETP Letters, 2012, 95, 647-651.	0.4	17
28	Simulation of the short-range order in disordered cubic titanium monoxide TiO1.0. JETP Letters, 2013, 97, 616-620.	0.4	17
29	Inclusion of the correlation short-range order in Ab initio calculations of the energy of the ground state by example of titanium monoxide TiO1.0. JETP Letters, 2015, 102, 85-90.	0.4	17
30	Calculation of temperature dependence of electrical resistivity in the transuranium metals and their alloys. Physical Review B, 2007, 76, .	1.1	16
31	Specific features of the electrical resistance of half-metallic ferromagnetic alloys Co2CrAl and Co2CrGa. Physics of the Solid State, 2013, 55, 2487-2490.	0.2	16
32	Effect of Cu-doping on the electronic structure and optical properties of LaNi5. Journal of Alloys and Compounds, 2011, 509, 5238-5241.	2.8	13
33	Effect of the long-range order in the vacancy distribution on the electronic structure of titanium monoxide TiO1.0. JETP Letters, 2012, 96, 507-510.	0.4	13
34	Orbital density functional as a means to restore the discontinuities in the total-energy derivative and the exchangeâ€“correlation potential. Journal of Physics Condensed Matter, 2007, 19, 106206.	0.7	12
35	Internal energy and parameters of the order-disorder phase transition in titanium monoxide TiO y. Journal of Experimental and Theoretical Physics, 2013, 116, 945-951.	0.2	12
36	Effect of the Structural Disorder and Short-Range Order on the Electronic Structure and Magnetic Properties of the Fe2VAl Heusler Alloy. JETP Letters, 2018, 107, 126-128.	0.4	12

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37	Understanding the magnetic, electronic and optical properties of ternary rare earth intermetallic compound HoNiSi. Journal of Alloys and Compounds, 2015, 650, 542-546.	2.8	11
38	Two successive spin transitions in a wide range of pressure and coexistence of high- and low-spin states in clinoferrosilite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>FeSiO</mml:mi><mml:mn>3</mml:mn></mml:msub></m Physical Review B, 2016, 93, .	1.1	11
39	Electron Structure and Optical Properties of the Mn1.8Co1.2Al Alloy and Spin Gapless Semiconductor State. Physics of Metals and Metallography, 2018, 119, 1068-1072.	0.3	11
40	Electronic structure and magnetic state of transuranium metals under pressure. Journal of Physics Condensed Matter, 2010, 22, 495501.	0.7	10
41	Cobalt-related features of spectral and magnetic properties of RNi4Co (R=Ho, Er). Journal of Magnetism and Magnetic Materials, 2014, 368, 87-90.	1.0	10
42	Magnetism, electronic structure and optical properties of TbNiGe2. Journal of Alloys and Compounds, 2016, 664, 120-124.	2.8	10
43	Transition of iron ions from high-spin to low-spin state and pressure-induced insulator-metal transition in hematite Fe2O3. Journal of Experimental and Theoretical Physics, 2007, 105, 1035-1042.	0.2	9
44	Optical absorption and structure of energy bands of GdNi5 âˆ’ xCu x intermetallic compounds. Physics of Metals and Metallography, 2009, 107, 173-178.	0.3	9
45	Nature of the electronic states involved in the chemical bonding and superconductivity at high pressure in SnO. JETP Letters, 2011, 94, 142-146.	0.4	9
46	Investigation of real materials with strong electronic correlations by the LDA+DMFT method. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 137-159.	0.2	9
47	Optical properties and electronic structure of alloys Co2Cr1â€“x Fe x Al (x = 0, 0.4, 0.6, 1.0). Physics of the Solid State, 2016, 58, 164-169.	0.2	9
48	Features of electronic properties of band ferromagnets Co₂MeAl and Fe₂MeAl (Meâ€‰â€‰=â€‰â€‰Ti, V, Cr, Mn, Fe, Ni). Materials Research Express, 2017, 4, 116102.	0.8	9
49	Optical properties and the electronic structure of Co2TiGe and Co2TiSn Heusler alloys. Physics of Metals and Metallography, 2017, 118, 965-969.	0.3	9
50	Specific features of the behavior of the optical properties of TbNi5 âˆ’ x Cu x intermetallic compounds. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2008, 104, 360-365.	0.2	8
51	Magnetic properties and exchange interactions in TbNi5âˆ’xMx (M=Co and Fe) compounds: Ab initio calculations. Journal of Applied Physics, 2011, 109, 07E152.	1.1	8
52	A comparative study of the optical properties of TbRhGe and DyRhGe. Solid State Sciences, 2015, 44, 22-26.	1.5	8
53	Ordering Sequence in Strongly Nonstoichiometric Niobium Carbide with the Formation of Nb6C5-Type Superstructures. Journal of Experimental and Theoretical Physics, 2019, 129, 863-876.	0.2	8
54	Remarkable increase of Curie temperature in doped GdFeSi compound. Intermetallics, 2021, 133, 107183.	1.8	8

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55	Evidence for canonical spin glass behaviour in polycrystalline Mn1.5Fe1.5Al Heusler alloy. Journal of Magnetism and Magnetic Materials, 2022, 546, 168752.	1.0	8
56	Anomalous concentration dependence of residual electrical resistivity in Fe-Cr alloys. Physical Review B, 2005, 72, .	1.1	7
57	Influence of aluminum impurity on the electronic structure and optical properties of the TbNi5 intermetallic compound. Physics of the Solid State, 2013, 55, 385-388.	0.2	7
58	Crystal and electronic structure of high temperature superconducting compound Y 1âˆ’x Ca x Ba 2 Cu 3 O y in the temperature interval 80â€“300ÂK. Journal of Alloys and Compounds, 2016, 658, 891-897.	2.8	7
59	Electronic Structure of Intermetallic Antiferromagnet GdNiGe. Symmetry, 2019, 11, 737.	1.1	7
60	Vacancy ordered structures in a nonstoichiometric niobium carbide NbC0.83. Mendeleev Communications, 2019, 29, 707-709.	0.6	7
61	Field induced metamagnetism and large magnetic entropy change in RRhSi (R = Tb, Dy, Ho) rare earth intermetallics. Journal of Alloys and Compounds, 2021, 888, 161493.	2.8	7
62	Electronic structure and magnetic properties of PuMGa5 compounds within the LDA + U + SO method. JETP Letters, 2012, 96, 452-455.	0.4	6
63	Experimental and theoretical investigations on magnetic and related properties of ErRuSi. Materials Research Express, 2015, 2, 046101.	0.8	6
64	Theoretical and experimental investigations on the magnetic and related properties of RAgSn2 (R=Ho,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.7	6
65	Correlational short-range order in superstructures. Mendeleev Communications, 2017, 27, 147-149.	0.6	6
66	Magnetically driven phase transitions with a large volume collapse in MnSe under pressure: A DFT+DMFT study. Physical Review B, 2018, 98, .	1.1	6
67	Itinerant metamagnetic transition in the ferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LuC</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> induced by high field: Instability of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:math> -electron subsystem. Physical Review B, 2020, 101, .	1.1	6
68	Electronic Structure and Optical Properties of Heusler Alloy Mn1.5Fe1.5Al. Journal of Experimental and Theoretical Physics, 2021, 133, 471-476.	0.2	6
69	Electride properties of ternary silicide and germanide of La and Ce. Physical Review B, 2022, 105, .	1.1	6
70	Electronic structure of the intermetallic compounds Ce2Fe17 and Ce2Fe15.3 M 1.7 (M = Al, Si): Experiment and theory. Physics of the Solid State, 2007, 49, 99-106.	0.2	5
71	Theoretical investigation of the residual electrical resistivity concentration dependence of transuranium metal alloys. Physical Review B, 2009, 80, .	1.1	5
72	Correlation effects inNiâ€‰3dstates of LaNiPO. Physical Review B, 2010, 81, .	1.1	5

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73	Electronic structure and stability of nonstoichiometric titanium monoxide TiO y with structural vacancies in one of the sublattices. Physics of the Solid State, 2013, 55, 2108-2115.	0.2	5
74	Electronic structure and optical properties of Nd5Ge3 compound. Journal of Alloys and Compounds, 2014, 588, 725-727.	2.8	5
75	Short-range order in disordered transition metal oxides, carbides, and nitrides with the B1 structure. Physics of the Solid State, 2015, 57, 637-651.	0.2	5
76	Electronic structure and spectral properties of RCuSi (R=Nd,Gd) compounds. Physica B: Condensed Matter, 2016, 487, 85-89.	1.3	5
77	Electronic Structure and Magnetic Properties of Strongly Correlated Transition Metal Compounds. Physics of Metals and Metallography, 2018, 119, 1254-1258.	0.3	5
78	Magnetization, resistivity, specific heat and ab initio calculations of Gd₅Sb₃. Journal of Physics Condensed Matter, 2018, 30, 295802.	0.7	5
79	Structural, Electronic, Optical, and Magnetic Properties of Fe3Al Alloys. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2995-3000.	0.8	5
80	Disorderâ€“order and orderâ€“order phase transformations in Ta₅C₄phases predicted using the evolutionary algorithm and symmetry analysis. Physical Chemistry Chemical Physics, 2020, 22, 24116-24132.	1.3	5
81	Vacancy ordered phases of nonstoichiometric hafnium carbide from evolutionary crystal structure predictions. Journal of Alloys and Compounds, 2022, 891, 162063.	2.8	5
82	Coherent potential approximation simulation of the evolution of the electronic structure of titanium monoxide with the degree of vacancy ordering. Journal of Experimental and Theoretical Physics, 2014, 119, 761-765.	0.2	4
83	Pressure-induced modification of the electron structure of metallic thorium. Journal of Experimental and Theoretical Physics, 2014, 118, 148-152.	0.2	4
84	Influence of copper impurities on the evolution of the electronic structure and optical spectra of the LuNi5 compound. Physics of the Solid State, 2015, 57, 866-870.	0.2	4
85	Raman scattering by electron and phonon excitations in FeSi. JETP Letters, 2016, 103, 316-320.	0.4	4
86	Electronic structure of nitrides PuN and UN. Journal of Experimental and Theoretical Physics, 2016, 123, 864-868.	0.2	4
87	Electronic and Spectral Properties of RRhSn (R = Gd, Tb) Intermetallic Compounds. Physics of the Solid State, 2018, 60, 225-229.	0.2	4
88	Magnetism and electronic structure of Gd5Ge2Sb: Experiment and theory. Journal of Alloys and Compounds, 2019, 806, 575-579.	2.8	4
89	Electronic Structure and Electronic Properties of PtSn4 Single Crystal. Journal of Experimental and Theoretical Physics, 2019, 128, 939-945.	0.2	4
90	Revelation of spin glass behavior in Ru doped MnNiGe: experiment and theory. Journal of Physics Condensed Matter, 2019, 31, 125803.	0.7	4

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91	Electronic Structure and Optical Properties of the Mn2CrAl Heusler Alloy. Physics of Metals and Metallography, 2020, 121, 532-536.	0.3	4
92	Effect of Electronic Correlations on the Electronic Structures of the FeAlO3 and FeSiO3 Compounds. Journal of Experimental and Theoretical Physics, 2021, 132, 548-555.	0.2	4
93	Composition-Induced Magnetic Transition in GdMn1-xTixSi Intermetallic Compounds for x = 0â€“1. Metals, 2021, 11, 1296.	1.0	4
94	Magnetic properties and electronic structure of Mn-Al alloys in the Î²-Mn structure. Journal of Magnetism and Magnetic Materials, 2022, 542, 168600.	1.0	4
95	Electronic Structure and Spectral Characteristics of the Mn3Al Compound. Physics of Metals and Metallography, 2021, 122, 954-959.	0.3	4
96	Comparative study of the electronic structure and optical properties of the Heusler alloys Co₂MGa and Co₂MAl (M = Fe and Ni). Modern Physics Letters B, 2022, 36, .	1.0	4
97	Optical spectroscopy and electronic structure of the GdCu x compounds (x = 1, 2, 5). Physics of the Solid State, 2013, 55, 140-144.	0.2	3
98	Optical spectroscopy and electronic structure of TmRhGe compound. Physics of the Solid State, 2015, 57, 2357-2360.	0.2	3
99	Calculation of the electronic structure of the intermetallic compounds ErNi5 â^' x Al x (x = 0, 1, 2). Physics of the Solid State, 2015, 57, 1-4.	0.2	3
100	Evolution of the electronic structure and optical spectra of intermetallides DyNi5 â^' x Cu x under changes of concentration. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2015, 118, 357-363.	0.2	3
101	Low-temperature heat capacity upon the transition from paramagnetic to ferromagnetic Heusler alloys Fe2 MeAl (Me = Ti, V, Cr, Mn, Fe, Co, Ni). Physics of the Solid State, 2016, 58, 1500-1504.	0.2	3
102	Specific features of the electronic structure and spectral characteristics of the Gd5Si3 compound. Physics of the Solid State, 2017, 59, 429-433.	0.2	3
103	Effect of manganese doping on the electronic structure and optical properties of Ce2Fe17-x Mn x (x =) Tj ETQq1 1 0.784314 rgBT /Ov	0.6	3
104	Electronic structure of DyRhSn and HoRhSn compounds: band calculations and optical study. European Physical Journal B, 2019, 92, 1.	0.6	3
105	Electronic properties of WTe₂ and MoTe₂ single crystals. Journal of Physics: Conference Series, 2019, 1389, 012149.	0.3	3
106	Spectral characteristics and electronic structure of semimetallic ScSb and YSb. Optical Materials, 2022, 129, 112466.	1.7	3
107	Neutron and Raman studies of lattice distortions in Zn1â€“xNixSe induced by nickel. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3150-3153.	0.8	2
108	Optical properties and electronic structure of the CeFeSi-type GdTiGe and GdTiSi compounds. Journal of Alloys and Compounds, 2004, 384, 57-61.	2.8	2

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109	Temperature and concentration dependences of the electrical resistivity for alloys of plutonium with americium under normal conditions. Journal of Experimental and Theoretical Physics, 2010, 111, 1019-1027.	0.2	2
110	Optical Properties and Electronic Structure of LaNi_{5-X}Cu_x (x=0â€“1.2) Intermetallic System. Solid State Phenomena, 2010, 168-169, 529-532.	0.3	2
111	Electrical resistivity of pure transuranium metals under pressure. Journal of Nuclear Materials, 2011, 413, 41-46.	1.3	2
112	Optical spectroscopy and electronic structure of compounds HoNi5 âˆ’ x Al x (x = 0, 1, 2). Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2013, 115, 690-695.	0.2	2
113	Role of Fe and Co in optical conductivity and electronic structure of TbNi4Fe and TbNi4Co. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2014, 117, 414-418.	0.2	2
114	Electronic structure and magnetic susceptibility of monoclinic Î±-plutonium. JETP Letters, 2014, 99, 656-660.	0.4	2
115	Electronic structure and optical properties of Er5Si3. Physica B: Condensed Matter, 2014, 442, 12-15.	1.3	2
116	Copper-doping effects in electronic structure and spectral properties of SmNi5. Low Temperature Physics, 2015, 41, 1024-1028.	0.2	2
117	Electronic structure and optical properties of the HoCoSi and ErNiSi compounds. Journal of Experimental and Theoretical Physics, 2016, 123, 638-642.	0.2	2
118	Electronic structure of RSn 1.1 Ge 0.9 (R = Dy, Ho) ternary compounds: Band calculation and optical properties. Physica B: Condensed Matter, 2017, 521, 98-101.	1.3	2
119	Characterization of d and f Electronic States in RSn_{1.1}Ge_{0.9} (Râ€‰=â€‰Gd, Tb) Compounds by Optical Spectroscopy and Electronicâ€Structure Calculations. Physica Status Solidi (B): Basic Research, 2018, 255, 1700579.	0.7	2
120	Electronic Structure and Optical Properties of the Co2NiAl Heusler Alloy. Physics of Metals and Metallography, 2019, 120, 729-732.	0.3	2
121	Electronic States and Optical Spectra of ErSn1.1Ge0.9 and TmSn1.1Ge0.9 Compounds. Physics of Metals and Metallography, 2020, 121, 537-542.	0.3	2
122	Effect of Electronic Correlations on the Electronic Structure, Magnetic and Optical Properties of the Ternary RCuGe Compounds with R = Tb, Dy, Ho, Er. Materials, 2020, 13, 3536.	1.3	2
123	Non-collinear antiferromagnetism to compensated ferrimagnetism in Ti(Fe_{1â€“x}Co_x)₂ (x = 0, 0.5 and 1) alloys: experiment and theory. Physical Chemistry Chemical Physics, 2021, 23, 5607-5614.	1.3	2
124	Silver Flowerlike Structures for Surface-Enhanced Raman Spectroscopy. Nanomaterials, 2021, 11, 3184.	1.9	2
125	Charge State of a Transition Metal Impurity in IIâ€“VI Semiconductors. Physics of the Solid State, 2005, 47, 1560.	0.2	1
126	Studying charge ordering and parameters of exchange interaction in NaxCoO2. Physics of Metals and Metallography, 2006, 101, 255-260.	0.3	1

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127	The origin of an elastic line in the L 3 x-ray emission spectrum of metallic manganese. Physics of the Solid State, 2006, 48, 420-426.	0.2	1
128	Optical properties and electronic structure of YNi5 âˆ’ x Cu x intermetallic compounds. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 111, 808-813.	0.2	1
129	Role of structural vacancies in the stabilization of the basic B1 structure in nonstoichiometric titanium monoxide TiO y. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 309-312.	0.1	1
130	Specific features of the electronic structure and spectral properties of NdNi5 âˆ’ x Cu x compounds. Physics of the Solid State, 2013, 55, 2191-2195.	0.2	1
131	Ab initiostudy on the rare-earth iron-pnictides RFeAsO (R = Pr, Nd, Sm, Gd) in the low-temperatureCmmaphase. Journal of Physics Condensed Matter, 2014, 26, 045501.	0.7	1
132	Optical spectroscopy and electronic structure of the Er5Ge3 compound. Physics of the Solid State, 2014, 56, 1737-1741.	0.2	1
133	Electronic structure and optical properties of the Pr5Ge3 compound. Physics of the Solid State, 2015, 57, 1705-1709.	0.2	1
134	Electronic structure of the PuCoIn5 compound. JETP Letters, 2015, 101, 402-406.	0.4	1
135	Electronic structure of the NpMT 5 (M = Fe, Co, Ni; T = Ga, In) series of neptunium compounds. Physics of the Solid State, 2016, 58, 438-443.	0.2	1
136	Electronic structure of the TbMn0.33Ge2 compound: Band calculation and optical experiment. Physics of the Solid State, 2016, 58, 2373-2378.	0.2	1
137	Electronic structure and optical spectroscopy of the GdRhGe compound. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2017, 122, 574-579.	0.2	1
138	Crystal and Electronic Structure of High-Temperature Superconductive Layered Cuprates in Temperature Interval 100â€“300 K. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1999-2002.	0.8	1
139	Anisotropy of the Complex Permittivity of the Kagome-Staircase Compounds Co3V2O8 and Ni3V2O8: Experiment and Ab Initio Calculations. Journal of Experimental and Theoretical Physics, 2018, 126, 779-783.	0.2	1
140	The Structure of Electronic States in FeSb2 According to Optical Spectroscopy and Band Calculations. Physics of the Solid State, 2019, 61, 969-972.	0.2	1
141	A wide energy range ab initio modeling of the electronic structure of valence states in Cu(In,Ga)Se2: Comparison with photoelectron spectra. Journal of Alloys and Compounds, 2019, 802, 19-24.	2.8	1
142	Electronic and Optical Properties of RCuGe Compounds (R = Dy, Ho). Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 1152-1155.	0.1	1
143	Electronic Structure and Optical Properties of the FeAl2 Compound. Physics of the Solid State, 2020, 62, 106-109.	0.2	1
144	Electronic Structure of the DyFe2Si2 Compound: Energy Band Calculations and Optical Studies. Physics of the Solid State, 2020, 62, 414-418.	0.2	1

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145	Electronic Properties and Electronic Structure of Co₂ YSi (Y = Ti, V, Cr, Mn,) Tj ETQq1 1 0.784314 rgBT /Ov	1.2	1
146	Optical Properties of Heusler Alloy Mn2FeAl with the Î²-Mn Structure. Physics of Metals and Metallography, 2021, 122, 737-741.	0.3	1
147	Site-selective spin transition in LuCo3. Journal of Physics and Chemistry of Solids, 2022, 163, 110552.	1.9	1
148	Effect of Doping on the Electronic Structure of the Earthâ€™s Lower Mantle Compounds: FeXO3 with X = C, Al, Si. Materials, 2022, 15, 1080.	1.3	1
149	Electronic Structure and Optical Spectra of GdFeAl and GdFeSi Compounds. Physics of the Solid State, 2021, 63, 866-871.	0.2	1
150	Experimental and Theoretical Investigations of Fe-Doped Hexagonal MnNiGe. ACS Omega, 0, , .	1.6	1
151	Role of Electronic Band Structure and Lattice Parameters in Magnetism of the R₂(Fe,M)₁₇, Đœ = Si, Al Compounds. Solid State Phenomena, 0, 152-153, 41-44.	0.3	0
152	Effect of copper and cobalt impurities on the electronic structure and optical spectra of the intermetallic compound PrNi5. Physics of the Solid State, 2014, 56, 1933-1938.	0.2	0
153	Electronic structure of Gd-doped MgO. Journal of Experimental and Theoretical Physics, 2016, 122, 338-340.	0.2	0
154	Ab initio simulation of the electron structure and optical spectroscopy of ErRhGe compound. Physics of the Solid State, 2017, 59, 1275-1278.	0.2	0
155	Features of Electronic Structure of Intermetallic Compounds CeNi4M (M = Fe, Co, Ni, Cu). Physics of the Solid State, 2018, 60, 466-469.	0.2	0
156	A Role of the 3d Electron Subsystem in the Evolution of Band Structure and Magnetic and Optical Properties of ErNi5Ââ€“ÂxCox Compounds (x = 0â€“4). Physics of the Solid State, 2018, 60, 2363-2369.	0.2	0
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