Vladimir Anisimov

List of Publications by Year in Descending Order

269 papers	24,221 citations	59 h-index	154 g-index
277 ext. papers	26,466 ext. citations	3.1 avg, IF	6.67 L-index

#	Paper	IF	Citations
269	Orbital-selective coherence-incoherence crossover and metal-insulator transition in Cu-doped NaFeAs. *Physical Review B*, **2021**, 103,	3.3	1
268	Effect of Electronic Correlations on the Electronic Structures of the FeAlO3 and FeSiO3 Compounds. *Journal of Experimental and Theoretical Physics*, **2021**, 132, 548-555	1	0
267	Strong electronic correlations in interstitial magnetic centers of zero-dimensional electride Yb5Sb3. *Physical Review B*, **2021**, 103,	3.3	3
266	Novel copper fluoride analogs of cuprates. *Physical Chemistry Chemical Physics*, **2021**, 23, 15989-15993	3.6	2
265	Itinerant magnetism of chromium under pressure: a DFT+DMFT study. *Journal of Physics Condensed Matter*, **2021**, 33,	1.8	1
264	Interacting Electrons in Two-Dimensional Electride Ca2N. *Journal of Physical Chemistry C*, **2021**, 125, 15724-15729	3.6	2
263	The 2021 Room-Temperature Superconductivity Roadmap. *Journal of Physics Condensed Matter*, **2021**,	1.8	9
262	Effect of electronic correlations on the spectral and magnetic properties of ZrZn2. *Physical Review B*, **2020**, 102,	3.3	2
261	Influence of Molecular Orbitals on Magnetic Properties of [x]. *Molecules*, **2020**, 25,	4.8	1
260	Emergence of quantum critical charge and spin-state fluctuations near the pressure-induced Mott transition in MnO, FeO, CoO, and NiO. *Physical Review B*, **2020**, 101,	3.3	6
259	Weak Coulomb correlations stabilize the electride high-pressure phase of elemental calcium. *Journal of Physics Condensed Matter*, **2020**, 32, 445501	1.8	4
258	Charge and spin degrees of freedom in strongly correlated systems: Mott states opposite Hund's metals. *Journal of Physics Condensed Matter*, **2020**, 32, 235601	1.8	2
257	Electronic correlation effects and local magnetic moments in L1 phase of FeNi. *Journal of Physics Condensed Matter*, **2020**, 32, 385601	1.8	0
256	Electronic correlations in uranium hydride UH under pressure. *Journal of Physics Condensed Matter*, **2020**, 32, 385602	1.8	2
255	Magnetic fluctuations and superconducting pairing in Iron. *Physical Review B*, **2020**, 101,	3.3	4
254	Interplay between the Coulomb Interaction and Hybridization in Ca and Anomalous Pressure Dependence of the Resistivity. *JETP Letters*, **2019**, 109, 387-391	1.2	4
253	Paraorbital ground state of the trivalent Ni ion in LiNiO2 from DFT+DMFT calculations. *Physical Review B*, **2019**, 99,	3.3	6

252	Correlation strength, Lifshitz transition, and the emergence of a two-dimensional to three-dimensional crossover in FeSe under pressure. *Physical Review B*, **2018**, 97,	3.3	17
251	Effect of density of states peculiarities on Hund's metal behavior. *Physical Review B*, **2018**, 97,	3.3	8
250	Magnetic exchange and susceptibilities in fcc iron: A supercell dynamical mean-field theory study. *Physical Review B*, **2018**, 98,	3.3	2
249	Magnetically driven phase transitions with a large volume collapse in MnSe under pressure: A DFT+DMFT study. *Physical Review B*, **2018**, 98,	3.3	2
248	Electronic Structure and Magnetic Properties of Strongly Correlated Transition Metal Compounds. *Physics of Metals and Metallography*, **2018**, 119, 1254-1258	1.2	2
247	Spin Polarization of Mn5Ge3 in the Bulk and Thin Films. *JETP Letters*, **2018**, 107, 422-425	1.2	
246	Role of temperature and Coulomb correlation in the stabilization of the CsCl-type phase in FeS under pressure. *Physical Review B*, **2018**, 98,	3.3	5
245	Hydrogenation-driven formation of local magnetic moments in FeO2Hx. *Physical Review B*, **2018**, 98,	3.3	5
244	Phonon mode softening and elastic properties of hafnium under pressure. *Physical Review B*, **2018**, 97,	3.3	3
243	Effect of electron correlations on the electronic structure and phase stability of FeSe upon lattice expansion. *Physical Review B*, **2017**, 96,	3.3	21
242	Momentum-dependent susceptibilities and magnetic exchange in bcc iron from supercell dynamical mean-field theory calculations. *Physical Review B*, **2017**, 96,	3.3	11
241	Phase transitions in FeBO3 under pressure: DFT + DMFT study. *JETP Letters*, **2017**, 106, 317-323	1.2	3
240	Suppression of magnetism under pressure in FeS: A DFT+DMFT study. *Physical Review B*, **2017**, 95,	3.3	9
239	Raman scattering by electron and phonon excitations in FeSi. *JETP Letters*, **2016**, 103, 316-320	1.2	2
238	Magnetic properties of Fe1−xNix alloy from CPA+DMFT perspectives. *Physical Review B*, **2016**, 93,	3.3	5
237	Two successive spin transitions in a wide range of pressure and coexistence of high- and low-spin states in clinoferrosilite FeSiO3. *Physical Review B*, **2016**, 93,	3.3	7
236	Doping induced spin state transition in Li x CoO2 as studied by the GGA + DMFT calculations. *JETP Letters*, **2016**, 104, 398-402	1.2	3
235	Nonlocal correlations in the vicinity of the α–γ phase transition in iron within a DMFT plus spin-fermion model approach. *Physical Review B*, **2016**, 94,	3.3	12

234	Pressure-induced magnetic transitions with change of the orbital configuration in dimerised systems. *Scientific Reports*, **2016**, 6, 25831	4.9	10
233	Electronic structure of nitrides PuN and UN. *Journal of Experimental and Theoretical Physics*, **2016**, 123, 864-868	1	2
232	Electronic structure of Gd-doped MgO. *Journal of Experimental and Theoretical Physics*, **2016**, 122, 338-340		
231	Features of the electronic structure of the active center of an HbS molecule. *Russian Journal of Physical Chemistry A*, **2016**, 90, 113-116	0.7	0
230	Spin state transition in the active center of the hemoglobin molecule: DFT + DMFT study. *JETP Letters*, **2016**, 103, 658-662	1.2	7
229	Electronic structure of UO2.12 calculated in the coherent potential approximation taking into account strong electron correlations and spin-orbit coupling. *Physics of Metals and Metallography*, **2016**, 117, 655-664	1.2	4
228	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	0.8	1
227	Effect of a magnetic order on the phase stability of the parent chalcogenide compound FeSe. *JETP Letters*, **2016**, 103, 265-271	1.2	3
226	Searching for pure iron in nature: the Chelyabinsk meteorite. *RSC Advances*, **2016**, 6, 85844-85851	3.7	4
225	Paramagnetic properties of Fe-Mn and Fe-V alloys: a DMFT study. *Journal of Physics Condensed Matter*, **2016**, 28, 345601	1.8	2
224	Correlations induced orbital ordering and cooperative Jahn□Teller distortion in the paramagnetic insulator KCrF3. *JETP Letters*, **2016**, 103, 573-576	1.2	4
223	Investigation of electronic structure and magnetic properties of CaCo1.86As2 within the CPA method. *Journal of Physics Condensed Matter*, **2015**, 27, 045502	1.8	4
222	Effect of the entropy contribution to the free energy of strongly correlated systems in the dynamic mean-field theory of phase transitions. *Physics of the Solid State*, **2015**, 57, 1431-1435	0.8	2
221	Mechanism of magnetic moment collapse under pressure in ferropericlase. *Journal of Physics Condensed Matter*, **2015**, 27, 275501	1.8	11
220	Preserving spin rotational symmetry in quantum Monte Carlo for description of magnetic properties of strongly correlated compounds. *JETP Letters*, **2015**, 101, 341-344	1.2	
219	Inclusion of effects of self-consistency of the electron density within the LDA + U + SO method implemented in the temperature Green□ function formalism in the basis of the Wannier functions. *JETP Letters*, **2015**, 100, 823-828	1.2	10
218	Hellmann-Feynman forces within the DFT + U in Wannier functions basis. *Journal of Physics Condensed Matter*, **2015**, 27, 325602	1.8	7
217	Structural □-transition in iron within the GGA + DMFT method taking into account the rotational invariance of the Coulomb interaction. *Physics of the Solid State*, **2015**, 57, 1277-1281	0.8	1

216	Structural □phase transition in Fe-Mn alloys from a CPA + DMFT approach. *Journal of Physics Condensed Matter*, **2015**, 27, 465601	1.8	3
215	Specific heat of a binary alloy within the CPA+DMFT method. *Physical Review B*, **2015**, 91,	3.3	7
214	Pressure-driven metal-insulator transition in BiFeO3 from dynamical mean-field theory. *Physical Review B*, **2015**, 92,	3.3	19
213	Correlation-Driven Topological Fermi Surface Transition in FeSe. *Physical Review Letters*, **2015**, 115, 106402	7.4	29
212	Metal-insulator transition and lattice instability of paramagnetic V2O3. *Physical Review B*, **2015**, 91,	3.3	41
211	Electronic structure of the PuCoIn5 compound. *JETP Letters*, **2015**, 101, 402-406	1.2	1
210	Phase stability of □ and □Ce: DFT+DMFT study. *JETP Letters*, **2015**, 102, 616-619	1.2	2
209	Calculation of exchange constants of the Heisenberg model in plane-wave-based methods using the Green's function approach. *Physical Review B*, **2015**, 91,	3.3	42
208	Electronic correlations determine the phase stability of iron up to the melting temperature. *Scientific Reports*, **2014**, 4, 5585	4.9	43
207	First-principles calculation of atomic forces and structural distortions in strongly correlated materials. *Physical Review Letters*, **2014**, 112, 146401	7.4	38
206	Ab initio study on the rare-earth iron-pnictides RFeAsO (R = Pr, Nd, Sm, Gd) in the low-temperature Cmma phase. *Journal of Physics Condensed Matter*, **2014**, 26, 045501	1.8	
205	Pressure-induced modification of the electron structure of metallic thorium. *Journal of Experimental and Theoretical Physics*, **2014**, 118, 148-152	1	4
204	Nature of the ferromagnetic ground state in the Mn4 molecular magnet. *Physical Review B*, **2014**, 89,	3.3	7
203	The coherent potential approximation for strongly correlated systems: electronic structure and magnetic properties of NiO-ZnO solid solutions. *Journal of Physics Condensed Matter*, **2014**, 26, 115501	1.8	6
202	Coulomb interaction parameters in bcc iron: an LDA+DMFT study. *Journal of Physics Condensed Matter*, **2014**, 26, 375601	1.8	19
201	Correlation effects and phonon modes softening with doping in Ba□xKxBiO□ *Journal of Physics Condensed Matter*, **2014**, 26, 195602	1.8	4
200	Electronic Structure of Nonstoichiometric LaMnO3-x Calculated in the Coherent Potential Approximation. *Solid State Phenomena*, **2014**, 215, 46-51	0.4	
199	Effect of correlations and doping on the spin susceptibility of iron pnictides: the case of KFe2As2. *JETP Letters*, **2014**, 100, 120-125	1.2	6

198	Investigation of real materials with strong electronic correlations by the LDA+DMFT method. *Acta Crystallographica Section C, Structural Chemistry*, **2014**, 70, 137-59	0.8	5
197	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	1	4
196	Elastic and Electronic Properties of Superconducting CaPd 2 As 2 and SrPd 2 As 2 vs. Non-superconducting BaPd 2 As 2. *Journal of Superconductivity and Novel Magnetism*, **2014**, 27, 155-161	1.5	9
195	Structural, elastic and electronic properties of new layered superconductor HfCuGe2 in comparison with isostructural HfCuSi2, ZrCuGe2, and ZrCuSi2 from first-principles calculations. *Intermetallics*, **2013**, 42, 130-136	3.5	4
194	One-particle irreducible functional approach: A route to diagrammatic extensions of the dynamical mean-field theory. *Physical Review B*, **2013**, 88,	3.3	73
193	First principles electronic structure calculation and simulation of the evolution of radiation defects in plutonium by the density functional theory and the molecular dynamics approach. *Physics of Metals and Metallography*, **2013**, 114, 1087-1122	1.2	9
192	Correlated band structure of superconducting NdFeAsO0.9F0.1: Dynamical mean-field study. *JETP Letters*, **2013**, 98, 373-377	1.2	1
191	The influence of defects on magnetic properties of fcc-Pu. *Journal of Experimental and Theoretical Physics*, **2013**, 117, 691-698	1	2
190	Magnetic fluctuations and effective magnetic moments in □ron due to electronic structure peculiarities. *Physical Review B*, **2013**, 88,	3.3	24
189	Interplay between lattice, orbital, and magnetic degrees of freedom in the chain-polymer Cu(II) breathing crystals. *Physical Review B*, **2013**, 87,	3.3	15
188	Magnetism of iron and nickel from rotationally invariant Hirsch-Fye quantum Monte Carlo calculations. *Physical Review B*, **2013**, 87,	3.3	33
187	Barium vanadium silicate BaVSi2O7: A t2g counterpart of the Han purple compound. *Physical Review B*, **2013**, 87,	3.3	11
186	Monoclinic M1 phase of VO2: Mott-Hubbard versus band insulator. *Physical Review B*, **2012**, 85,	3.3	57
185	LDA+DMFT study of magnetic transition and metallization in CoO under pressure. *JETP Letters*, **2012**, 96, 56-60	1.2	17
184	Electronic structure and magnetic properties of PuMGa5 compounds within the LDA + U + SO method. *JETP Letters*, **2012**, 96, 452-455	1.2	6
183	Role of rotational symmetry in the magnetism of a multiorbital model. *Physical Review B*, **2012**, 86,	3.3	18
182	Calculated phonon spectra of paramagnetic iron at the □phase transition. *Physical Review B*, **2012**, 85,	3.3	86
181	Electronic correlations and crystal structure distortions in BaBiO3. *Journal of Physics Condensed Matter*, **2012**, 24, 415603	1.8	22

180	Spectral properties of LiFeAs: An LDA+DMFT study. *JETP Letters*, **2012**, 96, 118-122	1.2	2
179	Magnetic susceptibility of cerium: An LDA+DMFT study. *Physical Review B*, **2012**, 85,	3.3	12
178	Microscopic origin of the linear temperature increase of the magnetic susceptibility of BaFe2As2. *Physical Review B*, **2012**, 86,	3.3	15
177	Spin state transition and covalent bonding in LaCoO3. *Physical Review B*, **2012**, 86,	3.3	78
176	Electronic structure of nonstoichiometric compounds in the coherent potential approximation. *JETP Letters*, **2012**, 94, 806-810	1.2	29
175	Rotationally invariant exchange interaction: The case of paramagnetic iron. *Physical Review B*, **2012**, 86,	3.3	22
174	Electronic correlations at the □structural phase transition in paramagnetic iron. *Physical Review Letters*, **2011**, 106, 106405	7.4	91
173	Evidence for strong Coulomb correlations in the metallic phase of vanadium dioxide. *JETP Letters*, **2011**, 93, 70-74	1.2	14
172	Role of electronic correlations in the Fermi surface formation of Na x CoO2. *JETP Letters*, **2011**, 93, 80-85	1.2	7
171	Role of rotational symmetry in magnetism of multiband models. *JETP Letters*, **2011**, 94, 126-128	1.2	6
170	Electron structure of compounds with strong electron correlations in the theory of dynamic mean field. *Physics of Metals and Metallography*, **2011**, 112, 682-710	1.2	1
169	Linear-temperature dependence of static magnetic susceptibility in LaFeAsO from dynamical mean-field theory. *Physical Review Letters*, **2011**, 106, 047007	7.4	38
168	Ab initio investigation of uranium monochalcogenides. *JETP Letters*, **2010**, 91, 486-489	1.2	5
167	Validity of the Anderson and Hubbard models for the description of metallic Ce and cerium heavy fermion compounds. *JETP Letters*, **2010**, 92, 543-546	1.2	5
166	Renormalized spectral function for Co adatom on the Pt(111) surface. *Physical Review B*, **2010**, 82,	3.3	11
165	Correlation effects in Ni 3d states of LaNiPO. *Physical Review B*, **2010**, 81,	3.3	5
164	Electronic structure of strongly correlated materials **2010**,		9
163	Computation of correlation-induced atomic displacements and structural transformations in paramagnetic KCuF3 and LaMnO3. *Physical Review B*, **2010**, 81,	3.3	58

162	Metal-insulator transition in NiS2−xSex. *Physical Review B*, **2010**, 81,	3.3	44
161	Orbital-selective pressure-driven metal to insulator transition in FeO from dynamical mean-field theory. *Physical Review B*, **2010**, 82,	3.3	44
160	Electronic structure and magnetic state of transuranium metals under pressure. *Journal of Physics Condensed Matter*, **2010**, 22, 495501	1.8	7
159	Orbital-selective formation of local moments in Iron: First-principles route to an effective model. *Physical Review B*, **2010**, 81,	3.3	59
158	Metal-insulator transitions and magnetism in correlated band insulators: FeSi and Fe1−xCoxSi. *Physical Review B*, **2010**, 81,	3.3	43
157	Importance of full Coulomb interactions for understanding the electronic structure of Pu. *Physical Review B*, **2010**, 82,	3.3	20
156	LDA+DMFT spectral functions and effective electron mass enhancement in the superconductor LaFePO. *Physical Review B*, **2010**, 81,	3.3	21
155	Electronic Structure of Strongly Correlated Materials. *Springer Series in Solid-state Sciences*, **2010**,	0.4	74
154	Theoretical investigation of the residual electrical resistivity concentration dependence of transuranium metal alloys. *Physical Review B*, **2009**, 80,	3.3	5
153	The LDA+DMFT Route to Identify Good Thermoelectrics. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2009**, 141-157	0.2	6
152	Dynamical mean-field approach to materials with strong electronic correlations. *European Physical Journal: Special Topics*, **2009**, 180, 5-28	2.3	32
151	Coulomb correlation effects in LaFeAsO: An LDA + DMFT(QMC) study. *Journal of Experimental and Theoretical Physics*, **2009**, 108, 121-125	1	30
150	Metal-insulator transition in double cobaltites RBaCo2O5.5 (R = Eu, Gd): Specific features of their optical properties. *Physics of the Solid State*, **2009**, 51, 525-531	0.8	10
149	Classification of the electronic correlation strength in the iron pnictides: The case of the parent compound BaFe2As2. *Physical Review B*, **2009**, 80,	3.3	78
148	Weak ferromagnetism in Mn nanochains on the CuN surface. *Physical Review B*, **2009**, 79,	3.3	42
147	Coulomb repulsion and correlation strength in LaFeAsO from density functional and dynamical mean-field theories. *Journal of Physics Condensed Matter*, **2009**, 21, 075602	1.8	87
146	Pressure-driven metal-insulator transition in hematite from dynamical mean-field theory. *Physical Review Letters*, **2009**, 102, 146402	7.4	58
145	Density-functional calculation of the Coulomb repulsion and correlation strength in superconducting LaFeAsO. *JETP Letters*, **2008**, 88, 729-733	1.2	27

144	Collapse of magnetic moment drives the Mott transition in MnO. *Nature Materials*, **2008**, 7, 198-202	27	145
143	First-principles investigation of symmetric and antisymmetric exchange interactions of SrCu2(BO3)2. *Physical Review B*, **2008**, 78,	3.3	24
142	Temperature-dependent correlations in covalent insulators: Dynamical mean-field approximation. *Physical Review B*, **2008**, 78,	3.3	46
141	CaCrO3: an anomalous antiferromagnetic metallic oxide. *Physical Review Letters*, **2008**, 101, 167204	7.4	71
140	LDA+DMFT implemented with the pseudopotential plane-wave approach. *Journal of Physics Condensed Matter*, **2008**, 20, 135227	1.8	31
139	Atomistic simulations of helium dynamics in a plutonium lattice. *Physical Review B*, **2008**, 77,	3.3	21
138	Optical evidence for symmetry changes above the Néel temperature of KCuF3. *Physical Review Letters*, **2008**, 101, 157406	7.4	46
137	Reply to Comment on Evidence for strong electronic correlations in the spectra of Sr2RuO4 *Physical Review B*, **2008**, 77,	3.3	3
136	Structural relaxation due to electronic correlations in the paramagnetic insulator KCuF3. *Physical Review Letters*, **2008**, 101, 096405	7.4	58
135	Origin of large thermopower in LiRh2O4: Calculation of the Seebeck coefficient by the combination of local density approximation and dynamical mean-field theory. *Physical Review B*, **2008**, 78,	3.3	42
134	Band versus localized electron magnetism in CaCrO3. *Physical Review B*, **2008**, 78,	3.3	34
133	Construction and solution of a Wannier-functions based Hamiltonian in the pseudopotential plane-wave framework for strongly correlated materials. *European Physical Journal B*, **2008**, 65, 91-98	1.2	78
132	Pseudogap value in the energy spectrum of LaOFeAs: a fixed spin moment treatment. *Journal of Experimental and Theoretical Physics*, **2008**, 107, 649-652	1	5
131	NiO: correlated band structure of a charge-transfer insulator. *Physical Review Letters*, **2007**, 99, 156404	7.4	122
130	Wannier functions and exchange integrals: The example of LiCu2O2. *Physical Review B*, **2007**, 75,	3.3	52
129	Electronic theory for itinerant in-plane magnetic fluctuations in Na x CoO2. *JETP Letters*, **2007**, 84, 650-655	1.2	10
128	Calculation of the electronic structure of the vanadium dioxide VO2 in the monoclinic low-temperature phase M 1 using the generalized transition state method. *Physics of Metals and Metallography*, **2007**, 104, 215-220	1.2	5
127	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	1	7

126	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	0.8	5
125	Orbital density functional as a means to restore the discontinuities in the total-energy derivative and the exchange□correlation potential. *Journal of Physics Condensed Matter*, **2007**, 19, 106206	1.8	9
124	Evidence for strong electronic correlations in the spectra of Sr2RuO4. *Physical Review B*, **2007**, 75,	3.3	49
123	Doped Mott insulator as the origin of heavy-fermion behavior in LiV2O4. *Physical Review Letters*, **2007**, 98, 166402	7.4	50
122	Local correlations and hole doping in NiO: A dynamical mean-field study. *Physical Review B*, **2007**, 75,	3.3	86
121	Calculation of temperature dependence of electrical resistivity in the transuranium metals and their alloys. *Physical Review B*, **2007**, 76,	3.3	16
120	Construction of Wannier functions from localized atomiclike orbitals. *Physical Review B*, **2007**, 75,	3.3	19
119	Itinerant in-plane magnetic fluctuations and many-body correlations in NaxCoO2. *Physical Review B*, **2007**, 75,	3.3	28
118	A band structure analysis of the coexistence of superconductivity and magnetism in (Ho,Dy)Ni(2)B(2)C. *Journal of Physics Condensed Matter*, **2006**, 18, 5973-83	1.8	7
117	Electronic structure of charge-ordered Fe3O4 from calculated optical, magneto-optical Kerr effect, and O K-edge x-ray absorption spectra. *Physical Review B*, **2006**, 74,	3.3	55
116	Reply to □omment on □harge order in Fe2OBO3: An LSDA+U study□*Physical Review B*, **2006**, 74,	3.3	3
115	Momentum-resolved spectral functions of SrVO3 calculated by LDA+DMFT. *Physical Review B*, **2006**, 73,	3.3	95
114	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	1.8	46
113	Charge order and spin-singlet pair formation in Ti4O7. *Journal of Physics Condensed Matter*, **2006**, 18, 10955-10964	1.8	37
112	Electronic structure and exchange interactions of Na2V3O7. *Physical Review B*, **2006**, 73,	3.3	33
111	Realistic investigations of correlated electron systems with LDA + DMFT. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 2599-2631	1.3	148
110	Spin gap in Tl2Ru2O7 and the possible formation of Haldane chains in three-dimensional crystals. *Nature Materials*, **2006**, 5, 471-6	27	98
109	Studying charge ordering and parameters of exchange interaction in NaxCoO2. *Physics of Metals and Metallography*, **2006**, 101, 255-260	1.2	1

108	Ab initio calculation of the parameters and band structure of the multiband p-d model for La2CuO4. *Physics of Metals and Metallography*, **2006**, 101, S13-S16	1.2	
107	A band-structure analysis of the coexistence of superconductivity and magnetism in (Ho,Dy)Ni2B2C1. *Physics of Metals and Metallography*, **2006**, 101, S21-S23	1.2	
106	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	0.8	
105	The semiconductor-to-ferromagnetic-metal transition in FeSb2. *European Physical Journal B*, **2006**, 53, 205-207	1.2	42
104	Magnetic state and electronic structure of the □and □phases of metallic Pu and its compounds. *Physical Review B*, **2005**, 72,	3.3	135
103	Full orbital calculation scheme for materials with strongly correlated electrons. *Physical Review B*, **2005**, 71,	3.3	233
102	Comparative study of correlation effects in CaVO3 and SrVO3. *Physical Review B*, **2005**, 72,	3.3	88
101	Orbital-assisted metal-insulator transition in VO2. *Physical Review Letters*, **2005**, 95, 196404	7.4	278
100	Weak ferromagnetism in antiferromagnets: □e2O3 and La2CuO4. *Physical Review B*, **2005**, 71,	3.3	56
99	Charge state of a transition metal impurity in II□VI semiconductors. *Physics of the Solid State*, **2005**, 47, 1560	0.8	1
98	Crystal-field splitting for low symmetry systems in ab initio calculations. *Physical Review B*, **2005**, 71,	3.3	49
97	Hybrid LDA and generalized tight-binding method for electronic structure calculations of strongly correlated electron systems. *Physical Review B*, **2005**, 72,	3.3	72
96	Determination of the orbital moment and crystal-field splitting in LaTiO3. *Physical Review Letters*, **2005**, 94, 056401	7.4	55
95	Charge order in Fe2OBO3: An LSDA+U study. *Physical Review B*, **2005**, 72,	3.3	24
94	Pseudogaps in strongly correlated metals: A generalized dynamical mean-field theory approach. *Physical Review B*, **2005**, 72,	3.3	112
93	Optical conductivity of ortho-II YBa2Cu3O6.5. *Physical Review B*, **2005**, 71,	3.3	16
92	Transition state method and Wannier functions. *Physical Review B*, **2005**, 72,	3.3	15
91	Dynamical Mean-Field Theory and Its Applications to Real Materials. *Journal of the Physical Society of Japan*, **2005**, 74, 136-146	1.5	16

90	Electronic structure of paramagnetic V2O3: Strongly correlated metallic and Mott insulating phase. *Physical Review B*, **2004**, 70,	3.3	98
89	The influence of the Co3+spin state on the optical properties of LaCoO3and HoCoO3. *Journal of Physics Condensed Matter*, **2004**, 16, 5129-5136	1.8	13
88	Parameters of the effective singlet-triplet model for band structure of high-T c cuprates by alternative approaches. *Journal of Experimental and Theoretical Physics*, **2004**, 99, 559-565	1	17
87	Influence of the Coulomb parameter U on partial densities of states of CuGeO(_mathsf{3}): comparison with X-ray spectral data. *European Physical Journal B*, **2004**, 41, 295-300	1.2	4
86	Neutron and Raman studies of lattice distortions in Zn1NixSe induced by nickel. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2004**, 1, 3150-3153		2
85	Electronic structure of Cr impurity in Al2O3 from first-principle calculation. *Physica B: Condensed Matter*, **2004**, 344, 385-390	2.8	13
84	Computation of stripes in cuprates within the LDA+U method. *Physical Review B*, **2004**, 70,	3.3	37
83	Mutual experimental and theoretical validation of bulk photoemission spectra of Sr1-xCaxVO3. *Physical Review Letters*, **2004**, 93, 156402	7.4	177
82	Charge and orbital order in Fe3O4. *Physical Review Letters*, **2004**, 93, 146404	7.4	199
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