V I Anisimov

List of Publications by Year in Descending Order

27 papers	8,170 citations	20 h-index	27 g-index
27 ext. papers	8,906 ext. citations	3.7 avg, IF	5.48 L-index

#	Paper	IF	Citations
27	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
26	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
25	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
24	Metal-insulator transitions and magnetism in correlated band insulators: FeSi and Fe1−xCoxSi. *Physical Review B*, **2010**, 81,	3.3	43
23	Temperature-dependent correlations in covalent insulators: Dynamical mean-field approximation. *Physical Review B*, **2008**, 78,	3.3	46
22	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
21	Doped Mott insulator as the origin of heavy-fermion behavior in LiV2O4. *Physical Review Letters*, **2007**, 98, 166402	7.4	50
20	The semiconductor-to-ferromagnetic-metal transition in FeSb2. *European Physical Journal B*, **2006**, 53, 205-207	1.2	42
19	Influence of rare-earth ion radii on the low-spin to intermediate-spin state transition in lanthanide cobaltite perovskites: LaCoO3 versus HoCoO3. *Physical Review B*, **2003**, 68,	3.3	102
18	Orbital state and magnetic properties of LiV2O4. *Physical Review B*, **2003**, 67,	3.3	35
17	Electronic Structure and Magnetism of Correlated Systems: Beyond LDA. *Springer Series in Materials Science*, **2003**, 101-161	0.9	2
16	First-order transition between a small gap semiconductor and a ferromagnetic metal in the isoelectronic alloy FeSi1-xGex. *Physical Review Letters*, **2002**, 89, 257203	7.4	46
15	Electronic Structure of the Heavy Fermion Metal LiV2O4. *Physical Review Letters*, **1999**, 83, 364-367	7.4	99
14	Theory for metal hydrides with switchable optical properties. *Physical Review B*, **1999**, 59, 5398-5413	3.3	78
13	Electronic structure of possible nickelate analogs to the cuprates. *Physical Review B*, **1999**, 59, 7901-7906	3.3	172
12	Electronic Structure of Lanthanum Hydrides with Switchable Optical Properties. *Physical Review Letters*, **1997**, 78, 1311-1314	7.4	81
11	Singlet and triplet doped-hole configurations in La2Cu0.5Li0.5O4. *Physical Review B*, **1997**, 55, 12829-12832	3.3	16

List of Publications

10	Charge-ordered insulating state of Fe3O4 from first-principles electronic structure calculations. *Physical Review B*, **1996**, 54, 4387-4390	3.3	191
9	Intermediate-spin state and properties of LaCoO3. *Physical Review B*, **1996**, 54, 5309-5316	3.3	711
8	Singlet semiconductor to ferromagnetic metal transition in FeSi. *Physical Review Letters*, **1996**, 76, 1735-1738	7.4	84
7	Density-functional theory and strong interactions: Orbital ordering in Mott-Hubbard insulators. *Physical Review B*, **1995**, 52, R5467-R5470	3.3	3134
6	First-Principles Calculations of the Electronic Structure and Spectra of Strongly Correlated Systems: LDA + U Method. *Springer Series in Solid-state Sciences*, **1995**, 106-116	0.4	6
5	Electronic structure and lattice relaxation related to Fe in MgO. *Physical Review B*, **1994**, 49, 6548-6552	3.3	20
4	Corrected atomic limit in the local-density approximation and the electronic structure of d impurities in Rb. *Physical Review B*, **1994**, 50, 16861-16871	3.3	554
3	Density-functional theory and NiO photoemission spectra. *Physical Review B*, **1993**, 48, 16929-16934	3.3	1726
2	Spin bags, polarons, and impurity potentials in La2-xSrxCuO4 from first principles. *Physical Review Letters*, **1992**, 68, 345-348	7.4	236
1	Density-functional calculation of effective Coulomb interactions in metals. *Physical Review B*, **1991**, 43, 7570-7574	3.3	667