Sergei G Ovchinnikov

List of Publications by Citations

467	3,829	27	41
papers	citations	h-index	g-index
498	4,193	1.8	5.48
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
467	Another mechanism for the insulator-metal transition observed in Mott insulators. *Physical Review B*, **2008**, 77,	3.3	142
466	Specific features of spin, charge, and orbital ordering in cobaltites. *Physics-Uspekhi*, **2009**, 52, 789-810	2.8	99
465	On strict preference relations. *Fuzzy Sets and Systems*, **1991**, 43, 319-326	3.7	94
464	The band structure of strong-correlated electrons in La2−xSrxCuO4 and YBa2Cu3O7−y. *Physica C: Superconductivity and Its Applications*, **1989**, 161, 607-617	1.3	80
463	Magnetic properties of trigonal GdFe3(BO3)4. *Journal of Magnetism and Magnetic Materials*, **2003**, 258-259, 532-534	2.8	77
462	Hybrid LDA and generalized tight-binding method for electronic structure calculations of strongly correlated electron systems. *Physical Review B*, **2005**, 72,	3.3	72
461	Novel pressure-induced magnetic transition in magnetite (Fe3O4). *Physical Review Letters*, **2008**, 100, 045508	7.4	66
460	Hubbard Operators in the Theory of Strongly Correlated Electrons **2004**,		61
459	Spin-crossover-induced Mott transition and the other scenarios of metallization in 3dn metal compounds. *Physical Review B*, **2009**, 79,	3.3	51
458	Evolution of the band structure of quasiparticles with doping in copper oxides on the basis of a generalized tight-binding method. *Journal of Experimental and Theoretical Physics*, **2000**, 91, 369-383	1	50
457	Doping-dependent evolution of low-energy excitations and quantum phase transitions within an effective model for high-Tc copper oxides. *European Physical Journal B*, **2007**, 57, 271-278	1.2	47
456	Means on ordered sets. *Mathematical Social Sciences*, **1996**, 32, 39-56	0.7	42
455	Magnetic, structural, and electronic properties of iron sulfide Fe3S4 nanoparticles synthesized by the polyol mediated process. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	41
454	Geometric phases and quantum phase transitions in open systems. *Physical Review E*, **2008**, 78, 015202	2.4	34
453	On fuzzy strict preference, indifference, and incomparability relations. *Fuzzy Sets and Systems*, **1992**, 49, 15-20	3.7	34
452	Intermediate-spin state of a 3d ion in the octahedral environment and generalization of the Tanabe-Sugano diagrams. *Journal of Physical Chemistry A*, **2011**, 115, 13596-604	2.8	33
451	Unconventional superconductivity and magnetism in Sr2RuO4 and related materials. *Annalen Der Physik*, **2004**, 13, 149-174	2.6	33

450	The strong effect of three-center interactions on the formation of superconductivity with (d{x^2-y^2}) symmetry in the t-J* model. *JETP Letters*, **2002**, 75, 378-382	1.2	33
449	Uniaxial magnetic anisotropy in Co2.25Fe0.75O2BO3 compared to Co3O2BO3 and Fe3O2BO ludwigites. *Physical Review B*, **2011**, 83,	3.3	32
448	Magnetic-field- and bias-sensitive conductivity of a hybrid Fe/SiO2/p-Si structure in planar geometry. *Journal of Applied Physics*, **2011**, 109, 123924	2.5	31
447	Quasiparticles in strongly correlated electron systems in copper oxides. *Physics-Uspekhi*, **1997**, 40, 993-1017	1.8	31
446	Specific features of the electronic structure and optical spectra of nanoparticles with strong electron correlations. *Physics of the Solid State*, **2007**, 49, 1116-1120	0.8	31
445	Structural and electronic transitions in gadolinium iron borate GdFe3(BO3)4 at high pressures. *JETP Letters*, **2004**, 80, 426-432	1.2	31
444	Spin reorientation effects in GdFe3(BO3)4 induced by applied field and temperature. *Journal of Experimental and Theoretical Physics*, **2005**, 101, 1098-1105	1	30
443	The mechanism of suppression of strong electron correlations in FeBO3 at high pressures. *Journal of Experimental and Theoretical Physics*, **2004**, 99, 566-573	1	28
442	Analysis of the core-level photoemission spectra of the superconducting cuprates: Evidence for a strongly mixed-valent state. *Physical Review B*, **1990**, 42, 6817-6819	3.3	28
441	The superexchange interactions in mixed CoFe ludwigite. *Journal of Magnetism and Magnetic Materials*, **2011**, 323, 521-527	2.8	27
440	Low-temperature magnetic behavior of the rare-earth cobaltites GdCoO3 and SmCoO3. *Physics of the Solid State*, **2007**, 49, 2126-2131	0.8	27
439	Density functional study of <110>-oriented thin silicon nanowires. *Physical Review B*, **2008**, 77,	3.3	26
438	Effect of spin crossovers on the Mott-Hubbard transition at high pressures. *Journal of Experimental and Theoretical Physics*, **2008**, 107, 140-146	1	26
437	Structural properties and high-temperature spin and electronic transitions in GdCoO3: Experiment and theory. *Physical Review B*, **2013**, 88,	3.3	25
436	Quasiparticles in strongly correlated electron systems in copper oxides. *Uspekhi Fizicheskikh Nauk*, **1997**, 167, 1043	0.5	25
435	Theoretical study of the magnetic properties of ordered vacancies in 2D hexagonal structures: Graphene, 2D-SiC, and h-BN. *JETP Letters*, **2012**, 95, 555-559	1.2	24
434	Magnetic and electrical properties of cobalt oxyborate Co3BO5. *Physics of the Solid State*, **2007**, 49, 651-653	0.8	24
433	Ab initio calculations of endo-and exohedral C60 fullerene complexes with Li+ ion and the endohedral C60 fullerene complex with Li2 dimer. *Physics of the Solid State*, **2000**, 42, 388-392	0.8	24

432	Study of the structural and magnetic characteristics of epitaxial Fe3Si/Si(111) films. *JETP Letters*, **2014**, 99, 527-530	1.2	23
431	Crystal structure and magnetic anisotropy of ludwigite Co2FeO2BO3. *Journal of Experimental and Theoretical Physics*, **2011**, 113, 1015-1024	1	23
430	Effect of frustrations on magnetism in the Ru double perovskite Sr2YRuO6. *Physical Review B*, **2003**, 68,	3.3	23
429	Angle-resolved photoemission data and quasiparticle spectra in antiferromagnetic insulators Sr2CuO2Cl2 and Ca2CuO2Cl2. *Physical Review B*, **2001**, 64,	3.3	23
428	On fuzzy strict preference, indifference, and incomparability relations. *Fuzzy Sets and Systems*, **1992**, 47, 313-318	3.7	23
427	Methane oxidation over A-site ordered and disordered Sr(0.8)Gd(0.2)CoO(3-δ) perovskites. *Chemical Communications*, **2014**, 50, 6112-5	5.8	21
426	Quantum critical point and spin fluctuations in lower-mantle ferropericlase. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 7142-7	11.5	21
425	Pressure-induced electron spin transition in the paramagnetic phase of the GdFe3(BO3)4 Heisenberg magnet. *JETP Letters*, **2007**, 84, 518-523	1.2	21
424	The energy band structure and optical spectra of FeBO3 calculated with allowance for strong electron correlations. *Journal of Experimental and Theoretical Physics*, **2004**, 98, 135-143	1	21
423	Magnetic anisotropy in Fe films deposited on SiO2/Si(001) and Si(001) substrates. *Journal of Magnetism and Magnetic Materials*, **2014**, 351, 104-108	2.8	20
422	Crystal structure and magnetic properties of Mn substituted ludwigite Co3O2BO3. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 923-927	2.8	20
421	Lifshits quantum phase transitions and rearrangement of the Fermi surface upon a change in the hole concentration in high-temperature superconductors. *Journal of Experimental and Theoretical Physics*, **2009**, 109, 775-785	1	20
420	High-pressure magnetic properties and P-T phase diagram of iron borate. *Journal of Experimental and Theoretical Physics*, **2005**, 100, 688	1	20
419	Integral Representation of Invariant Functionals. *Journal of Mathematical Analysis and Applications*, **2000**, 244, 228-232	1.1	20
418	Social choice and Lukasiewicz logic. *Fuzzy Sets and Systems*, **1991**, 43, 275-289	3.7	20
417	Automation of Technological Equipment for Obtaining Multilayer Structures in an Ultrahigh Vacuum. *Instruments and Experimental Techniques*, **2004**, 47, 839-843	0.5	19
416	Numerical representation of transitive fuzzy relations. *Fuzzy Sets and Systems*, **2002**, 126, 225-232	3.7	19
415	A study of the isomers of C36 fullerene using single and multireference MP2 perturbation theory. *Chemical Physics Letters*, **2002**, 362, 380-386	2.5	19

414	Invariant Functions on Simple Orders. *Order*, **1997**, 14, 365-371	0.5	18
413	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
412	The changes in electronic structure and optical properties of magnetic semiconductors at magnetic phase transitions. *Phase Transitions*, **1991**, 36, 15-42	1.3	17
411	Metal-insulator transition in the Hubbard model by the irreducible Green functions method. *Journal of Physics C: Solid State Physics*, **1982**, 15, 1481-1493		17
410	Extremely large magnetoresistance induced by optical irradiation in the Fe/SiO2/p-Si hybrid structure with Schottky barrier. *Journal of Applied Physics*, **2013**, 114, 093903	2.5	16
409	Electronic structure, magnetic properties, and mechanism of the insulator□metal transition in LaCoO3 taking into account strong electron correlations. *Journal of Experimental and Theoretical Physics*, **2011**, 112, 140-151	1	16
408	Magnetic, optical, and electrical properties of solid solutions VxFe1□ BO3. *Journal of Experimental and Theoretical Physics*, **2002**, 94, 299-306	1	16
407	Exotic superconductivity and magnetism in ruthenates. *Physics-Uspekhi*, **2003**, 46, 21-44	2.8	16
406	On aggregation of T-transitive fuzzy binary relations. *Fuzzy Sets and Systems*, **1995**, 72, 135-145	3.7	16
405	Self-consistent mapping: Effect of local environment on formation of magnetic moment in □eSi2. *Physical Review B*, **2017**, 95,	3.3	15
404	Si/Fe flux ratio influence on growth and physical properties of polycrystalline □FeSi2 thin films on Si(100) surface. *Journal of Magnetism and Magnetic Materials*, **2017**, 440, 144-152	2.8	15
403	Theoretical study of the diffusion of lithium in crystalline and amorphous silicon. *JETP Letters*, **2012** , 95, 143-147	1.2	15
402	Spin-glass behavior in single crystals of hetero-metallic magnetic warwickites MgFeBO4, Mg0.5Co0.5FeBO4, and CoFeBO4. *Journal of Magnetism and Magnetic Materials*, **2015**, 392, 114-125	2.8	15
401	Metallization and spin crossover in Magnesiow□stite (Mg1 □x Fe x O) at high pressures. *JETP Letters*, **2011**, 94, 192-196	1.2	15
400	Partial cubes: structures, characterizations, and constructions. *Discrete Mathematics*, **2008**, 308, 5597-562	0.7	15
399	Many-electron model of band structure and metal-insulator transition under pressure in FeBO3. *JETP Letters*, **2003**, 77, 676-679	1.2	15
398	Extremely high magnetic-field sensitivity of charge transport in the Mn/SiO2/p-Si hybrid structure. *AIP Advances*, **2017**, 7, 015206	1.5	14
397	Effect of Gd and Sr Ordering in A Sites of Doped Gd0.2Sr0.8CoO3□Perovskite on Its Structural, Magnetic, and Thermodynamic Properties. *Journal of Physical Chemistry C*, **2016**, 120, 13443-13449	3.8	14

396	Effect of local environment on moment formation in iron silicides. *Journal of Alloys and Compounds*, **2017**, 695, 1213-1222	5.7	14
395	Uniaxial anisotropy and low-temperature antiferromagnetism of Mn2BO4 single crystal. *Journal of Magnetism and Magnetic Materials*, **2015**, 393, 316-324	2.8	14
394	Metallic layer in the Earth lower mantle. *JETP Letters*, **2012**, 96, 129-132	1.2	14
393	From underdoped to overdoped cuprates: two quantum phase transitions. *Journal of Physics Condensed Matter*, **2011**, 23, 045701	1.8	14
392	Cluster perturbation theory in Hubbard model exactly taking into account the short-range magnetic order in 2 2 cluster. *Journal of Experimental and Theoretical Physics*, **2010**, 111, 635-644	1	14
391	An analytic characterization of some aggregation operators. *International Journal of Intelligent Systems*, **1998**, 13, 59-68	8.4	14
390	Effect of strontium and barium doping on the magnetic state and electrical conductivity of GdCoO3. *Physics of the Solid State*, **2007**, 49, 1498-1506	0.8	14
389	Synthesis, microstructure, and the transport and magnetic properties of Bi-containing high-temperature superconductors with a porous structure. *Technical Physics Letters*, **2003**, 29, 986-988	0.7	14
388	The Gauge Theory of Point Defects. *Physica Status Solidi (B): Basic Research*, **1989**, 156, 403-410	1.3	14
387	Hubbard operators and spin-wave theory of Heisenberg magnets with arbitrary spin. *Theoretical and Mathematical Physics(Russian Federation)*, **1982**, 50, 306-313	0.7	14
386	Phase transformations of Fe3N-Fe4N iron nitrides at pressures up to 30 GPa studied by in situ X-ray diffractometry. *JETP Letters*, **2014**, 98, 805-808	1.2	13
385	The effect of halogen substitution on the structure and electronic spectra of fluorone dyes. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2012**, 112, 671-678	0.7	13
384	Frequency-dependent magnetotransport phenomena in a hybrid Fe/SiO2/p-Si structure. *Journal of Applied Physics*, **2012**, 112, 123906	2.5	13
383	Spin crossover: the quantum phase transition induced by high pressure. *JETP Letters*, **2009**, 90, 530-534	1.2	13
382	Fluorescence of calcium-discharged obelin: the structure and molecular mechanism of emitter formation. *Doklady Biochemistry and Biophysics*, **2008**, 422, 279-84	0.8	13
381	Frustrated antiferromagnetism in the Sr2YRuO6 double perovskite. *Journal of Experimental and Theoretical Physics*, **2003**, 96, 1124-1130	1	13
380	Fe3S4and Fe3O4magnetic nanocrystals: magneto-optical and M sbauer spectroscopy study. *Materials Research Express*, **2014**, 1, 025033	1.7	12
379	Temperature and field dependent electronic structure and magnetic properties of LaCoO3 and GdCoO3. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 3584-3587	2.8	12

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377	Antiferromagnetic ordering in REM cobaltite GdCoO3. *Physics of the Solid State*, **2012**, 54, 79-83	0.8	12
376	Composite materials on high-Tc superconductors and BaPbO3, Ag basis. *Physica C: Superconductivity and Its Applications*, **2001**, 364-365, 174-177	1.3	12
375	Fluorescence and photoinduced proton transfer in the protolytic forms of fluorescein: Experimental and computational study. *Dyes and Pigments*, **2020**, 173, 107851	4.6	12
374	Contribution from optically excited many-electron states to the superexchange interaction in Mott-Hubbard insulators. *Physical Review B*, **2017**, 95,	3.3	11
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372	Crystal structure and magnetization of a Co3B2O6 single crystal. *Journal of Experimental and Theoretical Physics*, **2013**, 117, 94-107	1	11
371	Atypical quantum confinement effect in silicon nanowires. *Journal of Physical Chemistry A*, **2008**, 112, 9955-64	2.8	11
370	Quantum dots embedded into silicon nanowires effectively partition electron confinement. *Journal of Applied Physics*, **2008**, 104, 054305	2.5	11
369	Magnetic properties and nonmagnetic phases formation in (Fe/Si)n films. *Journal of Applied Physics*, **2008**, 104, 094703	2.5	11
368	Structural and magnetic characteristics of Fe/Si bilayer and multilayer films obtained by thermal deposition in ultrahigh vacuum. *Technical Physics Letters*, **2005**, 31, 947	0.7	11
367	Density of hole-doped states in strongly correlated electron systems of copper oxides. *Physical Review B*, **1994**, 49, 9891-9897	3.3	11
366	Fundamental ideas on metal-dielectric transitions in 3d-metal compounds. *Uspekhi Fizicheskikh Nauk*, **1986**, 148, 603-636	0.5	11
365	Exotic superconductivity and magnetism in ruthenates. *Uspekhi Fizicheskikh Nauk*, **2003**, 173, 27	0.5	11
364	Means and Social Welfare Function in Fuzzy Binary Relation Spaces **1990**, 143-154		11
363	Resonant Pumping of d-d Crystal Field Electronic Transitions as a Mechanism of Ultrafast Optical Control of the Exchange Interactions in Iron Oxides. *Physical Review Letters*, **2020**, 125, 157201	7.4	11
362	The role of strong electron correlations in determination of band structure and charge distribution of transition metal dihalide monolayers. *Journal of Physics and Chemistry of Solids*, **2019**, 134, 324-332	3.9	10
361	Effect of A -site cation ordering on the thermoelectric properties of the complex cobalt oxides Gd 1-x Sr x CoO 3-[(x = 0.8 and 0.9). *Ceramics International*, **2018**, 44, 10299-10305	5.1	10

360	Solid-State Reactions in Fe/Si Multilayer Nanofilms. *Solid State Phenomena*, **2014**, 215, 144-149	0.4	10
359	Effect of hole doping on the electronic structure and the Fermi surface in the Hubbard model within norm-conserving cluster pertubation theory. *Journal of Experimental and Theoretical Physics*, **2012**, 114, 118-131	1	10
358	Analysis of the sequence of insulator-metal phase transitions at high pressure in systems with spin crossovers. *Journal of Experimental and Theoretical Physics*, **2013**, 116, 123-127	1	10
357	Theoretical study of □-Fe4N and e-Fe x N iron nitrides at pressures up to 500 GPa. *JETP Letters*, **2015**, 101, 371-375	1.2	10
356	Conductivity Study of Co3O2BO3 and Co3-xFexO2BO3 Oxyborates. *Solid State Phenomena*, **2009**, 152-153, 104-107	0.4	10
355	Low-field magnetization of ludwigites Co3O2BO3 and Co3 □x Fe x O2BO3 (x □0.14). *Physics of the Solid State*, **2009**, 51, 966-969	0.8	10
354	Reflection electron-energy-loss spectroscopy of Fe x Si1 □x thin films. *Technical Physics Letters*, **2008**, 34, 381-383	0.7	10
353	The effective Hamiltonian of the singlet-triplet model for copper oxides. *Physics of the Solid State*, **2001**, 43, 416-419	0.8	10
352	Specific features of spin, charge, and orbital ordering in cobaltites. *Uspekhi Fizicheskikh Nauk*, **2009**, 179, 837	0.5	10
351	Crystal structure and electronic states of Co and Gd ions in a Gd0.4Sr0.6CoO2.85 single crystal. *JETP Letters*, **2016**, 103, 196-200	1.2	10
350	Effect of magnetic frustrations on magnetism of the Fe3BO5 and Co3BO5 ludwigites. *Journal of Magnetism and Magnetic Materials*, **2019**, 474, 493-500	2.8	10
349	Element selective magnetism in Ho0.5Nd0.5Fe3(BO3)4 single crystal probed with hard X-ray magnetic circular dichroism. *Journal of Magnetism and Magnetic Materials*, **2019**, 479, 312-316	2.8	9
348	Spin-glass behavior of warwickite MgFeBO4 and CoFeBO4 crystals observed by M□ssbauer spectroscopy. *Journal of Alloys and Compounds*, **2015**, 642, 204-209	5.7	9
347	First-principles calculations of the equations of state and relative stability of iron carbides at the Earth□ core pressures. *Russian Geology and Geophysics*, **2015**, 56, 164-171	1	9
346	Optical characteristics of an epitaxial Fe3Si/Si(111) iron silicide film. *JETP Letters*, **2014**, 99, 565-569	1.2	9
345	Comparison of the electronic structure of the Hubbard and t□ models within the cluster perturbation theory. *Physical Review B*, **2014**, 90,	3.3	9
344	Anisotropic interactions in magnetic crystals with S-state ions. Nanostructures. *Physics-Uspekhi*, **2014**, 57, 1180-1198	2.8	9
343	Electronic structure and properties of high-T c superconducting cuprates in the normal and superconducting phases within the LDA + GTB approach. *JETP Letters*, **2012**, 96, 349-360	1.2	9

342	Charge transfer and Mott-Hubbard excitations in FeBO3: An Fe K-edge resonant inelastic x-ray scattering study. *Physical Review B*, **2011**, 83,	3.3	9
341	Size effects and magnetization of (Fe/Si) n multilayer film nanostructures. *Physics of the Solid State*, **2007**, 49, 1470-1475	0.8	9
340	The role of orbital ordering in the formation of electron structure in undoped LaMnO3 manganites in the regime of strong electron correlations. *Journal of Experimental and Theoretical Physics*, **2006**, 102, 972-985	1	9
339	Effective Hamiltonian and properties of the normal and superconducting phases of n-type cuprates. *JETP Letters*, **2004**, 80, 39-43	1.2	9
338	Prediction of the in-gap states above the top of the valence band in undoped insulating cuprates due to the spin-polaron effect. *Journal of Physics Condensed Matter*, **2004**, 16, L93-L100	1.8	9
337	Magnetic and electrical properties of Fe1.91V0.09BO4 warwickite. *Journal of Experimental and Theoretical Physics*, **2003**, 97, 989-995	1	9
336	Hyperplane arrangements in preference modeling. *Journal of Mathematical Psychology*, **2005**, 49, 481-488	2.2	9
335	Effective Hamiltonian for HTSC cuprates taking into account electron-phonon interaction in the strong-correlation regime. *Journal of Experimental and Theoretical Physics*, **2005**, 101, 844-855	1	9
334	Possible scheme of synthesis-assembling of fullerenes. *Physics of the Solid State*, **2001**, 43, 973-981	0.8	9
333	Application of synchrotron radiation to the study of magnetic materials. *Physics-Uspekhi*, **1999**, 42, 779-796	2.6	9
332	LDA+GTB Method for Band Structure Calculations in the Strongly Correlated Materials. *Springer Series in Solid-state Sciences*, **2012**, 143-171	0.4	9
331	Ultraviolet fluorescence of coelenteramide and coelenteramide-containing fluorescent proteins. Experimental and theoretical study. *Journal of Photochemistry and Photobiology B: Biology*, **2016**, 162, 318-323	6.7	9
330	In situ magneto-optical ellipsometry data analysis for films growth control. *Journal of Magnetism and Magnetic Materials*, **2017**, 440, 196-198	2.8	8
329	Cooperative phenomena in spin crossover systems. *Physical Review B*, **2017**, 96,	3.3	8
328	Concentration dependence of the spin gap in solid solutions La 1− Gd x CoO 3 *Journal of Magnetism and Magnetic Materials*, **2015**, 383, 162-165	2.8	8
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326	Growth of -FeSi2 nanocrystals on si(100) with Au catalyst. *Materials Letters*, **2016**, 168, 90-94	3.3	8
325	Four steps for revealing and adjusting the 3D structure of aptamers in solution by small-angle X-ray scattering and computer simulation. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 6723-6732	4.4	8

324	The generalized method of quantitative description of the uniaxial anisotropy in weak ferromagnet rhombohedral calcite type structure crystals with S-state ions. *Journal of Magnetism and Magnetic Materials*, **2013**, 335, 90-96	2.8	8
323	Polaronic approach to strongly correlated electron systems with strong electron-phonon interaction. *Physical Review B*, **2015**, 92,	3.3	8
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320	Covalence-induced stabilization of an intermediate-spin state and the magnetic susceptibility of LaCoO3. *Journal of Experimental and Theoretical Physics*, **2007**, 104, 436-444	1	8
319	Influence of two-particle excited states on the interatomic exchange interaction in La2CuO4. *Physics of the Solid State*, **2008**, 50, 1081-1086	0.8	8
318	Phonon and magnetic pairing mechanisms in high-temperature superconductors in the strong correlation limit. *JETP Letters*, **2006**, 83, 394-398	1.2	8
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315	Magnetic anisotropy of the VBO3 and CrBO3 transition-metal borates. *Physics of the Solid State*, **2003**, 45, 287-291	0.8	8
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313	Magnetic properties of Fe/Si/Fe trilayer films. *Physics of the Solid State*, **2001**, 43, 1712-1714	0.8	8
312	ADVANCES IN MEDIA THEORY. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **2000**, 08, 45-71	0.8	8
311	Atomic Operators in the Theory of Narrow-Band Magnetic Semiconductors. *Physica Status Solidi (B): Basic Research*, **1984**, 123, 105-114	1.3	8
310	Modelling Valued Preference Relations **1990**, 64-70		8
309	Spin-dependent electrical hole extraction from low doped p-Si via the interface states in a Fe3Si/p-Si structure. *Semiconductor Science and Technology*, **2019**, 34, 035024	1.8	8
308	Effect of CuO2 Lattice Strain on the Electronic Structure and Properties of High-Tc Cuprate Family. *Journal of Superconductivity and Novel Magnetism*, **2019**, 32, 1927-1935	1.5	8
307	Size dependent magnetic and magneto-optical properties of Ni0.2Zn0.8Fe2O4 nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2016**, 408, 206-212	2.8	7

306	Identification of local magnetic contributions in a Co2FeBO5 single crystal by XMCD spectroscopy. *JETP Letters*, **2013**, 96, 650-654	1.2	7
305	Approach to form planar structures based on epitaxial Fe1−xSix films grown on Si(111). *Thin Solid Films*, **2017**, 642, 20-24	2.2	7
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298	The mechanism of the electronic transition in ferroborates under high pressure. *Journal of Physics Condensed Matter*, **2005**, 17, S743-S751	1.8	7
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