

# Michael A Korotin

## List of Publications by Year in descending order

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126  
papers

6,972  
citations

136740

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126  
all docs

126  
docs citations

126  
times ranked

6961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic properties of disordered perovskite-like ferrites: Coherent potential approach. Progress in Solid State Chemistry, 2020, 60, 100284.	3.9	5
2	Regulation of corundum band gap width by p elements and vacancy co-doping. Journal of Physics and Chemistry of Solids, 2020, 140, 109357.	1.9	3
3	Effect of proton uptake on the structure of energy levels in the band-gap of Sr-doped $\text{LaScO}_3$ : diffuse reflectance spectroscopy and coherent potential approximation calculations. Physical Chemistry Chemical Physics, 2019, 21, 7989-7995.	1.3	10
4	Electronic Structure and Magnetic Properties of Cobalt-Doped Nonstoichiometric Rutile Thin Films. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1371-1375.	0.8	1
5	Mixed Substitution in $\text{P}$ -Doped Anatase $\text{TiO}_2$ Probed by XPS and DFT. Physica Status Solidi (B): Basic Research, 2018, 255, 1700477.	0.7	7
6	Electronic structure of alumina doped by light elements. Computational Condensed Matter, 2018, 15, 48-54.	0.9	3
7	Evolution of Electronic Spectrum and Magnetic Properties of the High-Temperature Cubic Phase $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$ in Coherent Potential Approximation. Physica Status Solidi (B): Basic Research, 2018, 255, 1700442.	0.7	1
8	XPS spectra, electronic structure, and magnetic properties of $\text{RFe}_5\text{Al}_7$ intermetallics. Journal of Alloys and Compounds, 2018, 733, 82-90.	2.8	2
9	Magnetic State of Iron Impurity Ions in $\text{In}_2\text{O}_3$ . JETP Letters, 2018, 108, 537-542.	0.4	3
10	First-Principles Calculations of the Electronic Structure of Imperfect Crystals in the Coherent Potential Approximation. Physics of Metals and Metallography, 2018, 119, 1249-1253.	0.3	1
11	Interfacial reactions in $\text{Al}_2\text{O}_3/\text{Cr}_2\text{O}_3$ layers: Electronic structure calculations and X-ray photoelectron spectra. Thin Solid Films, 2018, 665, 6-8.	0.8	10
12	Electronic Structure of Aluminum Oxide with Oxygen Vacancies. Physics of Metals and Metallography, 2018, 119, 707-712.	0.3	8
13	CPA simulation of electronic properties of $\text{La}_{1-x}\text{Sr}_x\text{FeO}_{3-x/2}$ at high-temperature. Solid State Communications, 2018, 284-286, 62-65.	0.9	3
14	Evidence of random distribution of carbon impurities in oxygen sites of zinc oxide. Physica B: Condensed Matter, 2018, 545, 172-175.	1.3	0
15	Electronic structure and magnetic properties of two-dimensional nonstoichiometric rutile. Physica B: Condensed Matter, 2017, 526, 14-20.	1.3	17
16	Genesis of the electronic spectrum and magnetic properties of a high-temperature phase of nonstoichiometric strontium ferrite $\text{SrFeO}_{3-\delta}$ ( $0 \leq \delta \leq 0.5$ ). JETP Letters, 2016, 104, 269-274.	0.4	5
17	Electronic structure of $\text{UO}_2$ 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.	0.3	5
18	The appearance of $\text{Ti}^{3+}$ states in solution-processed $\text{TiO}_x$ buffer layers in inverted organic photovoltaics. Applied Physics Letters, 2016, 109, .	1.5	5

#	ARTICLE	IF	CITATIONS
19	Magnetic properties of $\text{FeMn}_2\text{P}_2$ from CPA+DMFT perspectives. Physical Review B, 2016, 93, .		
20	Influence of the rare-earth site nonstoichiometry and Mn doping on the electronic structure of $\text{TbNi}_2$ . Journal of Magnetism and Magnetic Materials, 2016, 397, 115-119.	1.0	9
21	Electronic structure of the high-temperature cubic phase of $\text{SrFeO}_{2.5}$ . JETP Letters, 2015, 102, 307-311.	0.4	4
22	High-temperature transition in $\text{SrFeO}_{2.5}$ : LSDA+U simulation. European Physical Journal B, 2015, 88, 1.	0.6	4
23	Electronic structure of the $\text{PuCoIn}_5$ compound. JETP Letters, 2015, 101, 402-406.	0.4	1
24	Phase stability of $\hat{\text{I}}_{\pm}^2$ , $\hat{\text{I}}_3^2$ , and $\hat{\mu}$ -Ce: DFT+DMFT study. JETP Letters, 2015, 102, 616-619.	0.4	6
25	Investigation of electronic structure and magnetic properties of $\text{CaCo}_{1.86}\text{As}_2$ within the CPA method. Journal of Physics Condensed Matter, 2015, 27, 045502.	0.7	5
26	Structural defects and electronic structure of N-ion implanted $\text{TiO}_2$ : Bulk versus thin film. Applied Surface Science, 2015, 355, 984-988.	3.1	13
27	Mechanism of magnetic moment collapse under pressure in ferroperriclae. Journal of Physics Condensed Matter, 2015, 27, 275501.	0.7	14
28	Inclusion of effects of self-consistency of the electron density within the LDA + U + SO method implemented in the temperature Green's function formalism in the basis of the Wannier functions. JETP Letters, 2015, 100, 823-828.	0.4	12
29	Characterization of $\text{TiAlSiON}$ coatings deposited by plasma enhanced magnetron sputtering: XRD, XPS, and DFT studies. Surface and Coatings Technology, 2015, 278, 87-91.	2.2	11
30	Influence of oxygen nonstoichiometry and doping with 2p, 3p, 6p- and 3d-elements on electronic structure, optical properties and photocatalytic activity of rutile and anatase: Ab initio approaches. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2015, 22, 58-83.	5.6	28
31	Description of the magnetic properties of strongly correlated disordered solid solutions in the coherent potential approximation. Journal of Magnetism and Magnetic Materials, 2015, 383, 23-26.	1.0	4
32	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
33	Nature of the ferromagnetic ground state in the $\text{Mn}_4$ molecular magnet. Physical Review B, 2014, 89, .	1.1	7
34	The coherent potential approximation for strongly correlated systems: electronic structure and magnetic properties of $\text{NiO}$ - $\text{ZnO}$ solid solutions. Journal of Physics Condensed Matter, 2014, 26, 115501.	0.7	9
35	Electronic Structure and Magnetic Properties of Iron Doped $\text{TiO}_2$ (Rutile): XPS Measurements and CPA Calculations. Solid State Phenomena, 2014, 215, 28-34.	0.3	2
36	Electronic Structure of Nonstoichiometric $\text{LaMnO}_{3-x}$ Calculated in the Coherent Potential Approximation. Solid State Phenomena, 2014, 215, 46-51.	0.3	0

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37	Investigation of the influence of nonstoichiometry and doping with carbon and nitrogen on the electronic spectrum of rutile by the coherent potential method. <i>Physics of the Solid State</i> , 2013, 55, 952-959.	0.2	8
38	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. <i>Physics of Metals and Metallography</i> , 2013, 114, 1087-1122.	0.3	11
39	The influence of defects on magnetic properties of fcc-Pu. <i>Journal of Experimental and Theoretical Physics</i> , 2013, 117, 691-698.	0.2	3
40	Electronic structure of rutile simultaneously doped with carbon and nitrogen atoms in the coherent potential approximation. <i>Physics of the Solid State</i> , 2013, 55, 26-30.	0.2	6
41	Monoclinic $M_{11}$ phase of VO Mott-Hubbard versus band insulator. <i>Physical Review B</i> , 2012, 85, .	1.1	69
42	Electronic structure of titanium monoxide with randomly distributed vacancies. <i>JETP Letters</i> , 2012, 95, 641-646.	0.4	11
43	Description of the pressure-induced insulator-metal transition in BaCoS <sub>2</sub> within the LDA + DMFT approach. <i>Physics of the Solid State</i> , 2012, 54, 1864-1869.	0.2	3
44	Computer simulation of the energy gap in ZnO- and TiO <sub>2</sub> -based semiconductor photocatalysts. <i>Journal of Experimental and Theoretical Physics</i> , 2012, 115, 1048-1054.	0.2	4
45	Electronic structure of nonstoichiometric compounds in the coherent potential approximation. <i>JETP Letters</i> , 2012, 94, 806-810.	0.4	32
46	Ground state of BaCoS <sub>2</sub> as a set of energy-degenerate orbital-ordered configurations of Co <sup>2+</sup> ions. <i>Physics of the Solid State</i> , 2011, 53, 978-984.	0.2	7
47	Effect of doping by boron, carbon, and nitrogen atoms on the magnetic and photocatalytic properties of anatase. <i>Physics of the Solid State</i> , 2011, 53, 1353-1361.	0.2	10
48	Electrical resistivity of pure transuranium metals under pressure. <i>Journal of Nuclear Materials</i> , 2011, 413, 41-46.	1.3	2
49	Effect of alloying with iron on the electronic properties and structure of the Cu <sub>3</sub> Pd alloy. <i>Physics of Metals and Metallography</i> , 2010, 109, 337-346.	0.3	3
50	The effect of oxygen non-stoichiometry and doping with vanadium on the nature of magnetism in titanium dioxide with the anatase structure. <i>Physica B: Condensed Matter</i> , 2010, 405, 2110-2117.	1.3	16
51	Orbital-selective pressure-driven metal to insulator transition in FeO from dynamical mean-field theory. <i>Physical Review B</i> , 2010, 82, .	1.1	51
52	Electronic structure and magnetic state of transuranium metals under pressure. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 495501.	0.7	10
53	Orbital-selective formation of local moments in $\text{Ir}_{1-x}\text{Fe}_x$ -iron: First-principles route to an effective model. <i>Physical Review B</i> , 2010, 81, .	1.1	73
54	Theoretical investigation of the residual electrical resistivity concentration dependence of transuranium metal alloys. <i>Physical Review B</i> , 2009, 80, .	1.1	5

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55	Contribution of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Fe} \langle \text{mml:mtext} \rangle \langle \text{mml:mtext} \rangle \hat{\epsilon} \langle \text{mml:mtext} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle d \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle$ to the Fermi level of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{CaFe} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle d \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle$ . <i>Physical Review B</i> , 2009, 80, .	1.1	27
56	Coulomb correlation effects in LaFeAsO: An LDA + DMFT(QMC) study. <i>Journal of Experimental and Theoretical Physics</i> , 2009, 108, 121-125.	0.2	32
57	Effect of plastic deformation on the electronic properties of the Cu60Pd40 alloy. <i>Physics of the Solid State</i> , 2009, 51, 234-240.	0.2	1
58	Classification of the electronic correlation strength in the iron pnictides: The case of the parent compound $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{BaFe} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle d \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle$ . <i>Physical Review B</i> , 2009, 80, .	1.1	82
59	Coulomb repulsion and correlation strength in LaFeAsO from density functional and dynamical mean-field theories. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 075602.	0.7	93
60	Pressure-Driven Metal-Insulator Transition in Hematite from Dynamical Mean-Field Theory. <i>Physical Review Letters</i> , 2009, 102, 146402.	2.9	70
61	Structural models of FeSex. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 435702.	0.7	4
62	Magnetic properties of the Mn <sub>1.9</sub> $\hat{a}^{\sim}$ x Co x Ge compounds with a hexagonal crystal structure. <i>Physics of Metals and Metallography</i> , 2008, 106, 481-489.	0.3	13
63	Pseudogap value in the energy spectrum of LaOFeAs: a fixed spin moment treatment. <i>Journal of Experimental and Theoretical Physics</i> , 2008, 107, 649-652.	0.2	5
64	Density-functional calculation of the Coulomb repulsion and correlation strength in superconducting LaFeAsO. <i>JETP Letters</i> , 2008, 88, 729-733.	0.4	29
65	Atomistic simulations of helium dynamics in a plutonium lattice. <i>Physical Review B</i> , 2008, 77, .	1.1	23
66	Band versus localized electron magnetism in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{CaCrO} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle d \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle$ . <i>Physical Review B</i> , 2008, 78, .	1.1	38
67	Orbital density functional as a means to restore the discontinuities in the total-energy derivative and the exchange correlation potential. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 106206.	0.7	12
68	Calculation of temperature dependence of electrical resistivity in the transuranium metals and their alloys. <i>Physical Review B</i> , 2007, 76, .	1.1	16
69	Calculation of the electronic structure of the vanadium dioxide VO <sub>2</sub> in the monoclinic low-temperature phase M1 using the generalized transition state method. <i>Physics of Metals and Metallography</i> , 2007, 104, 215-220.	0.3	6
70	Electronic and magnetic structures and conductivity of strontium ferrite: An ab initio LSDA + U approach. <i>Russian Journal of Electrochemistry</i> , 2007, 43, 570-575.	0.3	0
71	Transition of iron ions from high-spin to low-spin state and pressure-induced insulator-metal transition in hematite Fe <sub>2</sub> O <sub>3</sub> . <i>Journal of Experimental and Theoretical Physics</i> , 2007, 105, 1035-1042.	0.2	9
72	Features of properties of microinhomogeneous PdMn x Fe <sub>1</sub> $\hat{a}^{\sim}$ x alloys. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007, 71, 1066-1068.	0.1	1

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73	The role of transition metal impurities and oxygen vacancies in the formation of ferromagnetism in Co-doped TiO <sub>2</sub> . Journal of Physics Condensed Matter, 2006, 18, 1695-1704.	0.7	48
74	Low-temperature heat capacity of microscopically inhomogeneous PdMn <sub>x</sub> Fe <sub>1-x</sub> alloys. Physics of the Solid State, 2006, 48, 291-296.	0.2	1
75	Electronic structure and properties of strontium ferrite Sr <sub>3</sub> Fe <sub>2</sub> O <sub>6</sub> . European Physical Journal B, 2006, 49, 425-431.	0.6	7
76	Magnetic state and electronic structure of the $\alpha$ and $\beta$ phases of metallic Pu and its compounds. Physical Review B, 2005, 72, .	1.1	144
77	Orbital-Assisted Metal-Insulator Transition in VO <sub>2</sub> . Physical Review Letters, 2005, 95, 196404.	2.9	335
78	The influence of the Co <sup>3+</sup> spin state on the optical properties of LaCoO <sub>3</sub> and HoCoO <sub>3</sub> . Journal of Physics Condensed Matter, 2004, 16, 5129-5136.	0.7	14
79	Investigation of the electronic structure and chemical bonding of lead hexacyanoferrate(III). Physics of the Solid State, 2004, 46, 1836-1841.	0.2	1
80	Parameters of the effective singlet-triplet model for band structure of high-T <sub>c</sub> cuprates by alternative approaches. Journal of Experimental and Theoretical Physics, 2004, 99, 559-565.	0.2	20
81	The electronic structure and properties of Ni <sub>1-x</sub> Li <sub>x</sub> O <sub>1-y</sub> (0 ≤ x ≤ 1/2, 1/4 ≤ y ≤ 1/2, 1/8). Solid State Sciences, 2004, 6, 1139-1148.	1.5	3
82	Computation of stripes in cuprates within the LDA+U method. Physical Review B, 2004, 70, .	1.1	44
83	Charge and Orbital Order in Fe <sub>3</sub> O <sub>4</sub> . Physical Review Letters, 2004, 93, 146404.	2.9	214
84	Local magnetic moments at X-ray spectra of 3d metals. Journal of Magnetism and Magnetic Materials, 2003, 256, 396-403.	1.0	14
85	Influence of rare-earth ion radii on the low-spin to intermediate-spin state transition in lanthanide cobaltite perovskites: $\text{LaCoO}_3$ versus $\text{HoCoO}_3$ . Physical Review B, 2003, 68, .	1.1	107
86	Role of c-axis pairs in V <sub>2</sub> O <sub>3</sub> from the band-structure point of view. Physical Review B, 2003, 68, .	1.1	27
87	Orbital ordering in paramagnetic LaMnO <sub>3</sub> and KCuF <sub>3</sub> . Physical Review B, 2002, 65, .	1.1	49
88	First principles electronic model for high-temperature superconductivity. Physical Review B, 2002, 66, .	1.1	36
89	First-Order Transition between a Small Gap Semiconductor and a Ferromagnetic Metal in the Isoelectronic Alloy FeSi <sub>1-x</sub> Gex. Physical Review Letters, 2002, 89, 257203.	2.9	55
90	Electronic structure of niobium oxides. Journal of Alloys and Compounds, 2002, 347, 213-218.	2.8	35

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91	Vacant states of TiO <sub>2</sub> with rutile structure and their reflection in different-type x-ray absorption spectra. X-Ray Spectrometry, 2002, 31, 414-418.	0.9	33
92	Electrical resistivity of microinhomogeneous PdMn <sub>x</sub> Fe <sub>1-x</sub> alloys. Physics of the Solid State, 2002, 44, 199-203.	0.2	1
93	Coulomb correlation and magnetic ordering in double-layered manganites: LaSr <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> . Journal of Magnetism and Magnetic Materials, 2001, 237, 47-54.	1.0	11
94	Long-period orbital order with hole stripes in La <sub>7/8</sub> Sr <sub>1/8</sub> MnO <sub>3</sub> . Physical Review B, 2000, 62, 5696-5699.	1.1	33
95	Electronic structure and exchange interactions of the ladder vanadates CaV <sub>2</sub> O <sub>5</sub> and MgV <sub>2</sub> O <sub>5</sub> . Journal of Physics Condensed Matter, 2000, 12, 113-124.	0.7	39
96	SiC(0001): a surface Mott-Hubbard insulator. Physical Review B, 2000, 61, 1752-1755.	1.1	32
97	Title is missing!. Journal of Physics Condensed Matter, 2000, 12, 4947-4958.	0.7	76
98	Exchange Interactions and Magnetic Properties of the Layered Vanadates CaV <sub>2</sub> O <sub>5</sub> , MgV <sub>2</sub> O <sub>5</sub> , CaV <sub>3</sub> O <sub>7</sub> , and CaV <sub>4</sub> O <sub>9</sub> . Physical Review Letters, 1999, 83, 1387-1390.	2.9	94
99	Spin and orbital ordering of Nd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> from LSDA+U calculations. Physical Review B, 1999, 59, 9903-9910.	1.1	32
100	Band approach to the excitation-energy dependence of x-ray fluorescence of TiO <sub>2</sub> . Physical Review B, 1999, 60, 2212-2217.	1.1	42
101	X-ray emission and photoelectron spectra of Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . Physical Review B, 1999, 59, 12799-12806.	1.1	24
102	Computer simulations of defects in perovskite KNbO <sub>3</sub> crystals. Ferroelectrics, 1999, 229, 69-75.	0.3	6
103	Electronic Structure of the Heavy Fermion Metal LiV <sub>2</sub> O <sub>4</sub> . Physical Review Letters, 1999, 83, 364-367.	2.9	109
104	CrO <sub>2</sub> : A Self-Doped Double Exchange Ferromagnet. Physical Review Letters, 1998, 80, 4305-4308.	2.9	425
105	Valence states of copper ions and electronic structure of LiCu <sub>2</sub> O <sub>2</sub> . Physical Review B, 1998, 57, 4377-4381.	1.1	48
106	Orbital and charge ordering in Pr <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> (x=0 and 0.5) from the ab initio calculations. Physical Review B, 1997, 55, 15494-15499.	1.1	55
107	First-principles calculations of the electronic structure and spectra of strongly correlated systems: dynamical mean-field theory. Journal of Physics Condensed Matter, 1997, 9, 7359-7367.	0.7	535
108	Intermediate-spin state and properties of LaCoO <sub>3</sub> . Physical Review B, 1996, 54, 5309-5316.	1.1	774

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109	Electronic structure of cuprates containing sulfur and phosphorus oxyanions. <i>Physical Review B</i> , 1995, 52, 11830-11836.	1.1	2
110	X-ray emission spectra and valence state of sulphur atoms of $\text{YBa}_2((\text{CuO})_{1-x}(\text{NiS})_x)\text{O}_{4-\delta}$ . <i>Journal of Physics Condensed Matter</i> , 1995, 7, 213-218.	0.7	10
111	Electronic structure and lattice relaxation related to Fe in MgO. <i>Physical Review B</i> , 1994, 49, 6548-6552.	1.1	22
112	X-ray spectra and electronic structure of $\text{Li}_x\text{NbO}_2$ superconductor and other niobium oxide compounds. <i>European Physical Journal B</i> , 1994, 93, 417-424.	0.6	8
113	Density-functional theory and NiO photoemission spectra. <i>Physical Review B</i> , 1993, 48, 16929-16934.	1.1	1,991
114	Spin bags, polarons, and impurity potentials in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ from first principles. <i>Physical Review Letters</i> , 1992, 68, 345-348.	2.9	259
115	X-ray emission spectra and valence band structure of the 3d transition metal oxides. <i>Physica B: Condensed Matter</i> , 1991, 168, 163-169.	1.3	16
116	Electron structure and correlation effects in high- $T_c$ superconductors and transition metal oxides. <i>Bulletin of Materials Science</i> , 1991, 14, 1087-1091.	0.8	0
117	Electronic structure and magnetic properties of traces of 3d metals in $\text{YBa}_2\text{Cu}_3\text{Co}_7$ . <i>Journal of Structural Chemistry</i> , 1990, 30, 837-839.	0.3	0
118	Correlation effects in photoelectron spectra of high- $T_c$ superconductive oxides: the hole-induced redistribution of $\text{Cu}3d$ states in $\text{La}_2\text{CuO}_4$ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1990, 50, 213-218.	0.8	1
119	Electronic structure and antiferromagnetism in $\text{CaCuO}_2$ and $\text{Sr}_2\text{CuO}_2\text{Cl}_2$ . <i>Materials Letters</i> , 1990, 10, 28-33.	1.3	16
120	The ground state of the antiferromagnetic semiconductor $\text{YBa}_2\text{Cu}_3\text{O}_6$ : electronic structure calculations and analysis of X-ray spectra. <i>Materials Letters</i> , 1990, 10, 34-38.	1.3	7
121	Band-structure description of Mott insulators ( $\text{NiO}$ , $\text{MnO}$ , $\text{FeO}$ , $\text{CoO}$ ). <i>Journal of Physics Condensed Matter</i> , 1990, 2, 3973-3987.	0.7	81
122	Antiferromagnetism and the band gap in d-metal oxides in the local spin density approximation: $\text{NiO}$ and $\text{La}_2\text{CuO}_4$ . <i>Physica C: Superconductivity and Its Applications</i> , 1989, 161, 59-65.	0.6	10
123	Localized and band states in superconducting oxides: $\text{La}_2\text{CuO}_4$ . <i>Physica C: Superconductivity and Its Applications</i> , 1989, 159, 412-416.	0.6	4
124	Localization in $\text{YBa}_2\text{Cu}_3\text{O}_7$ induced by the self-interaction correction to the density functional theory. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 156, 717-719.	0.6	2
125	Influence of Cation Impurities and Both Cation and Anion Nonstoichiometry on Aluminum Oxide Energy Gap Width. <i>JETP Letters</i> , 0, , 1.	0.4	2
126	Energy Gap Decrease in Cation Multidoped Aluminum Oxide. <i>Physica Status Solidi (B): Basic Research</i> , 0, , 2100355.	0.7	0