Ernst Z Kurmaev

List of Publications by Year
in descending order

441 papers	8,195 citations	71102 41 h-index	106344 65 g-index
444 all docs	444 docs citations	444 times ranked	10188 citing authors

#	Article	IF	Citations
1	Mn3sexchange splitting in mixed-valence manganites. Physical Review B, 2002, 65, .	3.2	499
2	Probing the Intrinsic Thermal and Photochemical Stability of Hybrid and Inorganic Lead Halide Perovskites. Journal of Physical Chemistry Letters, 2017, 8, 1211-1218.	4.6	216
3	Oxygen x-ray emission and absorption spectra as a probe of the electronic structure of strongly correlated oxides. Physical Review B, 2008, 77, .	3.2	139
4	Local moments in Mn-based Heusler alloys and their electronic structures. Physical Review B, 1999, 60, 6428-6438.	3.2	130
5	Oxygen-vacancy-induced ferromagnetism in undoped SnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>thin films. Physical Review B, 2012, 85, .	3.2	124
6	Electronic structure of titanium monoxide. Physical Review B, 1997, 56, 10656-10667.	3.2	107
7	Valence-band spectra and electronic structure ofCuFeO2. Physical Review B, 1997, 56, 4584-4591.	3.2	105
8	Effect of Co and O defects on the magnetism in Co-doped ZnO: Experiment and theory. Physical Review B, 2007, 75, .	3.2	99
9	Photoemission study of the metal-insulator transition inCuIr2S4. Physical Review B, 1997, 55, R15979-R15982.	3.2	88
10	Light or Heat: What Is Killing Lead Halide Perovskites under Solar Cell Operation Conditions?. Journal of Physical Chemistry Letters, 2020, 11, 333-339.	4.6	85
11	Band-structure description of Mott insulators (NiO, MnO, FeO, CoO). Journal of Physics Condensed Matter, 1990, 2, 3973-3987.	1.8	81
12	Hexaazatriphenylene-based polymer cathode for fast and stable lithium-, sodium- and potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 22596-22603.	10.3	80
13	Band gaps and electronic structure of alkaline-earth and post-transition-metal oxides. Physical Review B, 2010, 81, .	3.2	78
14	Epoxide Speciation and Functional Group Distribution in Graphene Oxide Paperâ€Like Materials. Advanced Functional Materials, 2012, 22, 3950-3957.	14.9	73
15	FeAs systems: a new class of high-temperature superconductors. Physics-Uspekhi, 2008, 51, 1261-1286.	2.2	70
16	The Metallic Nature of Epitaxial Silicene Monolayers on Ag(111). Advanced Functional Materials, 2014, 24, 5253-5259.	14.9	69
17	High-Energy and High-Power-Density Potassium Ion Batteries Using Dihydrophenazine-Based Polymer as Active Cathode Material. Journal of Physical Chemistry Letters, 2019, 10, 5440-5445.	4.6	68
18	Electronic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Bi</mml:mtext><mml:mi>M</mml:mi><mml:msub><mml:mtext>O</mml:mtext><mml:mn> and related oxides. Physical Review B, 2010, 81, .	3.2	64

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19	Degree of covalency of LiCoO2: X-ray emission and photoelectron study. Solid State Communications, 1996, 99, 221-224.	1.9	63
20	Electronic structure, charge transfer, and intrinsic luminescence of gadolinium oxide nanoparticles: Experiment and theory. Applied Surface Science, 2018, 436, 697-707.	6.1	63
21	Valence Band Structure and X-ray Spectra of Oxygen-Deficient Ferrites SrFeO_{<i>x</i>}. Journal of Physical Chemistry C, 2010, 114, 5154-5159.	3.1	59
22	Electronic structure of studied by x-ray photoelectron and x-ray emission spectroscopies. Journal of Physics Condensed Matter, 1998, 10, 4081-4091.	1.8	56
23	Band gap engineering of graphene oxide by chemical modification. Carbon, 2014, 75, 366-371.	10.3	56
24	Reversible Pb²⁺/Pb⁰ and I^{âˆ’}/I₃^{âˆ’} Redox Chemistry Drives the Lightâ€Induced Phase Segregation in Allâ€Inorganic Mixed Halide Perovskites. Advanced Energy Materials, 2021, 11, 2002934.	19.5	56
25	Electronic Structure of the Nucleobases. Journal of Physical Chemistry B, 2005, 109, 7749-7757.	2.6	55
26	Appearance of Ferromagnetism in Co-Doped CeO₂ Diluted Magnetic Semiconductors Prepared by Solid-State Reaction. Journal of Physical Chemistry C, 2011, 115, 1556-1560.	3.1	55
27	Electronic structure ofCoxTiSe2andCrxTiSe2. Physical Review B, 2001, 63, .	3.2	53
28	Nickel(II) and Copper(II) Coordination Polymers Derived from 1,2,4,5-Tetraaminobenzene for Lithium-Ion Batteries. Chemistry of Materials, 2019, 31, 5197-5205.	6.7	52
29	The L2:L3 intensity ratio in soft X-ray emission spectra of 3d-metals. Journal of Electron Spectroscopy and Related Phenomena, 2005, 148, 1-4.	1.7	51
30	Characterization of Carbon-Encapsulated Nickel and Iron Nanoparticles by Means of X-ray Absorption and Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2010, 114, 22413-22416.	3.1	51
31	Metal-insulator transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>NiS</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:m Physical Review B, 2010, 81, .	3.2	52
32	Structural and Band Gap Investigation of GaN:ZnO Heterojunction Solid Solution Photocatalyst Probed by Soft X-ray Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 7694-7700.	3.1	50
33	XPS spectra as a tool for studying photochemical and thermal degradation in APbX3 hybrid halide perovskites. Nano Energy, 2021, 79, 105421.	16.0	50
34	Experimental and theoretical investigation of the electronic structure of transition metal sulphides: CuS, and. Journal of Physics Condensed Matter, 1998, 10, 1687-1697.	1.8	49
35	Valence states of copper ions and electronic structure ofLiCu2O2. Physical Review B, 1998, 57, 4377-4381.	3.2	48
36	Efficient and Stable MAPbI₃-Based Perovskite Solar Cells Using Polyvinylcarbazole Passivation. Journal of Physical Chemistry Letters, 2020, 11, 6772-6778.	4.6	48

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37	XPS study of interactions between linear carbon chains and colloidal Au nanoparticles. Mendeleev Communications, 2020, 30, 285-287.	1.6	48
38	Band Gap Tuning in Poly(triazine imide), a Nonmetallic Photocatalyst. Journal of Physical Chemistry C, 2013, 117, 8806-8812.	3.1	47
39	Origin of magnetic circular dichroism in soft x-ray fluorescence of Heusler alloys at threshold excitation. Physical Review B, 2001, 63, .	3.2	46
40	The characterization of Co-nanoparticles supported on graphene. RSC Advances, 2015, 5, 75600-75606.	3.6	46
41	Intrinsic thermal decomposition pathways of lead halide perovskites APbX3. Solar Energy Materials and Solar Cells, 2020, 213, 110559.	6.2	45
42	Interlayer conduction band states in graphite-sulfur composites. Physical Review B, 2002, 66, .	3.2	43
43	Band approach to the excitation-energy dependence of x-ray fluorescence ofTiO2. Physical Review B, 1999, 60, 2212-2217.	3.2	42
44	Electronic structure and bonding in vitamin B12, cyanocobalamin. Computational and Theoretical Chemistry, 2003, 622, 221-227.	1.5	42
45	Surface characterisation and corrosion behaviour of niobium treated in a Ca- and P-containing solution under sparking conditions. Electrochimica Acta, 2016, 198, 91-103.	5.2	42
46	Electronic structure of aMn12molecular magnet: Theory and experiment. Physical Review B, 2007, 75, .	3.2	41
47	X-ray spectra and electronic structures of the iron arsenide superconductors<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>R</mml:mi><mml:msub><mml:mrow><mml:mtext>FeAsO</mml:mtext></mml:mrow><mml: xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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55	Electronic structure and chemical bonding in nonstoichiometric compounds of refractory transition metals of the IVa and Va subgroups. Journal of the Less Common Metals, 1981, 78, 1-17.	0.8	37
56	Electronic structure ofMgB2:â€ƒX-ray emission and absorption studies. Physical Review B, 2002, 65, .	3.2	36
57	Comparative Intrinsic Thermal and Photochemical Stability of Sn(II) Complex Halides as Next-Generation Materials for Lead-Free Perovskite Solar Cells. Journal of Physical Chemistry C, 2019, 123, 26862-26869.	3.1	36
58	Electronic structure of niobium oxides. Journal of Alloys and Compounds, 2002, 347, 213-218.	5.5	35
59	Effect of 3d doping on the electronic structure of BaFe₂As₂. Journal of Physics Condensed Matter, 2012, 24, 215501.	1.8	35
60	Sn-loss effect in a Sn-implanted a-SiO2 host-matrix after thermal annealing: A combined XPS, PL, and DFT study. Applied Surface Science, 2016, 367, 320-326.	6.1	35
61	New tetraazapentacene-based redox-active material as a promising high-capacity organic cathode for lithium and potassium batteries. Journal of Power Sources, 2019, 435, 226724.	7.8	35
62	Unravelling the Material Composition Effects on the Gamma Ray Stability of Lead Halide Perovskite Solar Cells: MAPbI₃ Breaks the Records. Journal of Physical Chemistry Letters, 2020, 11, 2630-2636.	4.6	35
63	Unraveling the Impact of Hole Transport Materials on Photostability of Perovskite Films and pâ€“iâ€“n Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 19161-19173.	8.0	35
64	Half-metallic electronic structure ofCrO2in resonant scattering. Physical Review B, 2003, 67, .	3.2	34
65	High-Tc Superconductors Based on FeAs Compounds. Springer Series in Materials Science, 2010, , .	0.6	34
66	Effect of post-annealing in air on optical and XPS spectra of Y2O3 ceramics doped with CeO2. Mendeleev Communications, 2019, 29, 102-104.	1.6	34
67	X-ray emission spectra of carbon materials. Carbon, 1986, 24, 249-253.	10.3	33
68	Studies of Solid Interfaces Using Soft X-ray Emission Spectroscopy. Critical Reviews in Solid State and Materials Sciences, 1998, 23, 65-203.	12.3	33
69	Room-temperature ferromagnetism via unpaired dopant electrons and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi><mml:mo>â^'</mml:mo><mml:mi>p</mml:mi></mml:mrow></mml:math>coupling in carbon-doped In<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Ma	3.2	33
70	Surface characterisation of Tiâ€“15Mo alloy modified by a PEO process in various suspensions. Materials Science and Engineering C, 2014, 39, 259-272.	7.3	33
71	X-ray emission spectra and electronic structure of amorphous silicon. Journal of Non-Crystalline Solids, 1985, 70, 187-198.	3.1	32
72	Soft X-ray emission spectroscopy of early transition metal compounds. Journal of Electron Spectroscopy and Related Phenomena, 1998, 92, 197-205.	1.7	32

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73	Effect of Co doping on the electronic structure ofMgCNi3. Physical Review B, 2002, 66, .	3.2	32
74	Materials with strong electron correlations. Physics-Uspekhi, 2008, 51, 23-56.	2.2	32
75	Adjacent Fe-Vacancy Interactions as the Origin of Room Temperature Ferromagnetism in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo		

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91	Electronic structure ofSr2RuO4: X-ray fluorescence emission study. Physical Review B, 1998, 57, 1558-1562.	3.2	28
92	Effects of NH3, O2, and N2 co-implantation on Cu out-diffusion and antimicrobial properties of copper plasma-implanted polyethylene. Applied Surface Science, 2007, 253, 8981-8985.	6.1	28
93	XPS and DFT study of Sn incorporation into ZnO and TiO₂host matrices by pulsed ion implantation. Physica Status Solidi (B): Basic Research, 2015, 252, 1890-1896.	1.5	28
94	Soft electronic structure modulation of surface (thin-film) and bulk (ceramics) morphologies of TiO 2 -host by Pb-implantation: XPS-and-DFT characterization. Applied Surface Science, 2017, 400, 110-117.	6.1	28
95	Contribution of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Fe</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mn>3</mml:mn><mml:mi>d</mm to the Fermi level of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CaFe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml Physical Review B, 2009, 80, .	3.2	27
96	Carbon States in Carbon-Encapsulated Nickel Nanoparticles Studied by Means of X-ray Absorption, Emission, and Photoelectron Spectroscopies. Journal of Physical Chemistry C, 2011, 115, 24615-24620.	3.1	27
97	Electronic valence band structure of high-Tc superconductors. Physica C: Superconductivity and Its Applications, 1991, 177, 8-16.	1.2	26
98	Electronic structure of alkali-metal-dopedM8Si46(M=Na,K)clathrates. Physical Review B, 2002, 65, .	3.2	26
99	The electronic structure and chemical bonding of vitamin B 12. Europhysics Letters, 2003, 62, 582-587.	2.0	26
100	Electronic structure and thermoelectric properties of skutterudite compounds. Journal of Physics Condensed Matter, 2004, 16, 979-987.	1.8	26
101	Study of the Structural Characteristics of 3d Metals Cr, Mn, Fe, Co, Ni, and Cu Implanted in ZnO and TiO₂â€”Experiment and Theory. Journal of Physical Chemistry C, 2014, 118, 28143-28151.	3.1	26
102	Valence states of titanium atoms in non-stoichiometric carbides: X-ray emission spectra and cluster calculations. Journal of Physics C: Solid State Physics, 1981, 14, 5567-5574.	1.5	25
103	X-ray emission and photoelectron spectra ofPr0.5Sr0.5MnO3. Physical Review B, 1999, 59, 12799-12806.	3.2	24
104	Observation of fluorapatite formation under hydrolysis of tetracalcium phosphate in the presence of KF by means of soft X-ray emission and absorption spectroscopy. Journal of Materials Science: Materials in Medicine, 2002, 13, 33-36.	3.6	24
105	An insight into the origin of room-temperature ferromagnetism in SnO₂ and Mn-doped SnO₂ quantum dots: an experimental and DFT approach. Physical Chemistry Chemical Physics, 2018, 20, 6500-6514.	2.8	24
106	DC plasma electrolytic oxidation treatment of gum metal for dental implants. Electrochimica Acta, 2019, 302, 10-20.	5.2	24
107	Electronic structure of LiMnO : X-ray emission and photoelectron spectra and band structure calculations. European Physical Journal B, 2000, 14, 281-286.	1.5	23
108	X-ray Ce LIII absorption in CeO2 and BaCeO3: experiment and interpretation on the basis of LMTO band structure calculations. Materials Letters, 1992, 14, 115-118.	2.6	22

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109	Soft X-ray emission CuL spectra and copper-oxygen bond covalency in high-Tc superconductors. Solid State Communications, 1992, 81, 1003-1007.	1.9	22
110	Mechanism for interfacial adhesion strength of an ion beam mixed Cu/polyimide with a thin buffer layer. Applied Physics Letters, 1999, 74, 522-524.	3.3	22
111	Chemical Bonding and Hybridization in 5<i>p</i> Binary Oxide. Journal of Physical Chemistry C, 2012, 116, 24248-24254.	3.1	22
112	Impact of charge transport layers on the photochemical stability of MAPbI₃ in thin films and perovskite solar cells. Sustainable Energy and Fuels, 2019, 3, 2705-2716.	4.9	22
113	Film Deposition Techniques Impact the Defect Density and Photostability of MAPbI₃ Perovskite Films. Journal of Physical Chemistry C, 2020, 124, 21378-21385.	3.1	22
114	X-ray photoemission spectra of valence electrons in V3X and Nb3X compounds. Solid State Communications, 1977, 21, 239-243.	1.9	21
115	Interpretation of ESCA spectra for non-stoichiometric titanium carbides on the basis of MOâ€"LCAO calculations. Journal of Electron Spectroscopy and Related Phenomena, 1979, 16, 415-422.	1.7	21
116	Synthesis, structure, and XPS characterization of the stoichiometric phaseSr2CuO2F2. Physical Review B, 1997, 56, 2831-2835.	3.2	21
117	Electronic structure of the molecule-based magnetMn[N(CN)2]2from theory and experiment. Physical Review B, 2002, 66, .	3.2	21
118	Dependence of DNA Electronic Structure on Environmental and Structural Variations. Journal of Physical Chemistry B, 2006, 110, 15742-15748.	2.6	21
119	Spectroscopic characterization of a multiband complex oxide: Insulating and conducting cement 12CaOÂ·7Al2O3. Physical Review B, 2012, 85, .	3.2	21
120	Electronic structure and magnetic properties of graphene/Co composite. Carbon, 2015, 91, 298-303.	10.3	21
121	Tuning the electronic structure of graphene through nitrogen doping: experiment and theory. RSC Advances, 2016, 6, 56721-56727.	3.6	21
122	Electronic structure and experimental spectra of some rare-earth oxyfluorides. Journal of Electron Spectroscopy and Related Phenomena, 1980, 21, 193-204.	1.7	20
123	Analysis of fluorine incorporation into YBa2Cu3O6.5+Î´ by means of X-ray emission spectroscopy. Physica C: Superconductivity and Its Applications, 1994, 221, 71-75.	1.2	20
124	X-ray emission, photoelectron spectra, and electronic structure ofSr2CuO2F2+Î´. Physical Review B, 1995, 52, 2390-2394.	3.2	20
125	Modification of titanium and titanium dioxide surfaces by ion implantation: Combined XPS and DFT study. Physica Status Solidi (B): Basic Research, 2015, 252, 748-754.	1.5	20
126	Electronic structure and photoluminescence properties of Zn-ion implanted silica glass before and after thermal annealing. Journal of Non-Crystalline Solids, 2016, 432, 183-188.	3.1	20

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127	A nickel coordination polymer derived from 1,2,4,5-tetraaminobenzene for fast and stable potassium battery anodes. Chemical Communications, 2020, 56, 1541-1544.	4.1	20
128	X-ray ultrasoft spectra of vanadium in vanadium oxides. Journal of Solid State Chemistry, 1977, 22, 217-220.	2.9	19
129	Analysis of 13C NMR Chemical Shielding and XPS for Cellulose and Chitosan by DFT Calculations Using the Model Molecules. Polymer Journal, 2005, 37, 21-29.	2.7	19
130	Clustering of impurity atoms in Co-doped anatase TiO2thin films probed with soft x-ray fluorescence. Journal of Physics Condensed Matter, 2006, 18, 4243-4251.	1.8	19
131	Modulation of the band gap of graphene oxide: The role of AA-stacking. Carbon, 2014, 66, 539-546.	10.3	19
132	Octahedral conversion of a-SiO₂ host matrix by pulsed ion implantation. Physica Status Solidi (B): Basic Research, 2015, 252, 2185-2190.	1.5	19
133	Stability of boron-doped graphene/copper interface: DFT, XPS and OSEE studies. Applied Surface Science, 2018, 441, 978-983.	6.1	19
134	Valence band spectra of 4d and 5d silicides. Journal of Physics Condensed Matter, 1997, 9, 9403-9414.	1.8	18
135	Analysis of Electron Spectra of Carbon Allotropes (Diamond, Graphite, Fullerene) by Density Functional Theory Calculations Using the Model Molecules. Journal of Physical Chemistry A, 2003, 107, 9403-9408.	2.5	18
136	Predicting the band gap of ternary oxides containing 3<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>d</mml:mi><mml:mn>10</mml:mn></mml:msup></mml:math>and 3<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>d</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math>metals. Physical Review B, 2012, 86, .	3.2	18
137	Atomic and electronic structure of a copper/graphene interface as prepared and 1.5 years after. Applied Surface Science, 2017, 426, 1167-1172.	6.1	18
138	Influence of Ion Migration from ITO and SiO₂ Substrates on Photo and Thermal Stability of CH₃NH₃SnI₃ Hybrid Perovskite. Journal of Physical Chemistry C, 2020, 124, 14928-14934.	3.1	18
139	Investigation of electronic structure of ternary molybdenum sulphides by means of x-ray emission and photoelectron spectroscopy. Solid State Communications, 1981, 37, 647-651.	1.9	17
140	X-ray emission spectra of diamond films. Surface and Coatings Technology, 1991, 47, 628-630.	4.8	17
141	X-ray emission spectra of YSr2Cu3O7âˆ’Î´ containing sulphate and phosphate groups. Physica C: Superconductivity and Its Applications, 1994, 224, 317-320.	1.2	17
142	X-ray emission spectra and electronic structure of CuIr2S4 and CuIr2Se4. Solid State Communications, 1998, 108, 235-239.	1.9	17
143	Effect of atomic magnetic moments on the relative intensity of the L Î² and L Î± components in x-ray emission spectra of 3d transition metal oxides. Physics of the Solid State, 2003, 45, 1048-1055.	0.6	17
144	Soft X-ray spectroscopy of nucleobases, B-DNA and ferroceneâ€“proline conjugates. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 817-822.	1.7	17

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145	â€‡Solid versus solution: Examining the electronic structure of metallic DNA with soft x-ray spectroscopy. Physical Review B, 2006, 74, .	3.2	17
146	Linking the HOMO-LUMO gap to torsional disorder in P3HT/PCBM blends. Journal of Chemical Physics, 2015, 143, 224704.	3.0	17
147	Band Structure and Superconductivity of A₃Bâ€Type Intermetallic Compounds with Î²â€W Structure. Physica Status Solidi (B): Basic Research, 1967, 24, K43.	1.5	16
148	X-ray emission spectra and valence band structure of the 3d transition metal oxides. Physica B: Condensed Matter, 1991, 168, 163-169.	2.7	16
149	Electronic structure ofCu1â^'xNixRh2S4andCuRh2Se4: Band-structure calculations, x-ray photoemission, and fluorescence measurements. Physical Review B, 2000, 61, 4230-4237.	3.2	16
150	Electronic structure of graphite fluorides. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 288, 340-344.	2.1	16
151	Analysis of XPS and XES of diamond and graphite by DFT calculations using model molecules. Journal of Computational Chemistry, 2001, 22, 102-108.	3.3	16
152	High-resolution angle-resolved photoemission investigation of the electronic structure of Cr-intercalated1Tâ€TiTe2. Physical Review B, 2005, 72, .	3.2	16
153	Identifying valence structure in LiFeAs and NaFeAs with core-level spectroscopy. Journal of Physics Condensed Matter, 2009, 21, 345701.	1.8	16
154	Band-gap engineering in TiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>-based ternary oxides. Physical Review B, 2012, 85, .	3.2	16
155	Electronic band gap reduction and intense luminescence in Co and Mn ion-implanted SiO2. Journal of Applied Physics, 2014, 115, .	2.5	16
156	Calculations of bandstructure of intermetallic compounds using the multiple scattering XÎ± cluster method and k dependent boundary conditions. Journal of Physics F: Metal Physics, 1981, 11, 405-418.	1.6	15
157	CKÎ± X-ray emission spectra of C60. Physica C: Superconductivity and Its Applications, 1992, 195, 352-354.	1.2	15
158	Sulphur-oxygen substitution in YBa2Cu3O6+xSy analyzed by means of X-ray emission spectroscopy. Physica C: Superconductivity and Its Applications, 1993, 211, 29-35.	1.2	15
159	Characterization of diamondlike films by xâ€ray emission spectroscopy with highâ€energy resolution. Journal of Applied Physics, 1993, 73, 4605-4609.	2.5	15
160	Electronic structure and valence-band spectra ofBi4Ti3O12. Physical Review B, 1995, 52, 11805-11812.	3.2	15
161	No multiatom resonances observed in x-ray fluorescence. Physical Review B, 2000, 62, 15427-15430.	3.2	15
162	Interaction of Cu3dand O2pstates inMg1â^'xCuxOsolid solutions with NaCl structure:â€ƒX-ray photoelectron and x-ray emission study. Physical Review B, 2000, 62, 4922-4926.	3.2	15

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163	Band dispersion of MgB2, graphite and diamond from resonant inelastic scattering. Journal of Physics Condensed Matter, 2003, 15, 2081-2089.	1.8	15
164	Resonant inelastic soft x-ray scattering and electronic structure of LiBC. Journal of Physics Condensed Matter, 2004, 16, 5137-5142.	1.8	15
165	Local Structure of Fe Impurity Atoms in ZnO: Bulk versus Surface. Journal of Physical Chemistry C, 2014, 118, 5336-5345.	3.1	15
166	XPS evidence of degradation mechanism in CH₃NH₃PbI₃ hybrid perovskite. Journal of Physics Condensed Matter, 2020, 32, 095501.	1.8	15
167	Interaction of graphene oxide with barium titanate in composite: XPS and DFT studies. Journal of Alloys and Compounds, 2020, 840, 155747.	5.5	15
168	Analysis of the depth profile of Fe-Si buried layers in Fe+-implanted Si wafer by soft X-ray emission spectroscopy. Applied Surface Science, 1993, 72, 73-77.	6.1	14
169	Soft-x-ray-emission study of the influence ofLi+-doping, irradiation, and plastic deformation on CuO. Physical Review B, 1999, 59, 211-214.	3.2	14
170	Electronic structure of FeCr2S4and Fe0.5Cu0.5Cr2S4. Journal of Physics Condensed Matter, 2000, 12, 5411-5421.	1.8	14
171	Local magnetic moments at X-ray spectra of 3d metals. Journal of Magnetism and Magnetic Materials, 2003, 256, 396-403.	2.3	14
172	Influence of Graphite Addition on the Reactivity of Ti Powder with H2under Ball Milling. Journal of Physical Chemistry B, 2006, 110, 196-204.	2.6	14
173	Soft X-ray absorption and emission characterization of nanodiamond prepared by explosive detonation. Diamond and Related Materials, 2007, 16, 350-352.	3.9	14
174	Charge transfer and band gap of ferrocene intercalated into TiSe2. Chemical Physics Letters, 2010, 497, 187-190.	2.6	14
175	Identifying local dopant structures and their impact on the magnetic properties of spintronic materials. Physical Review B, 2011, 83, .	3.2	14
176	Cuâ€“CeO2 nanocomposites: mechanochemical synthesis, physico-chemical properties, CO-PROX activity. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	14
177	ITO Modification for Efficient Inverted Organic Solar Cells. Langmuir, 2017, 33, 10118-10124.	3.5	14
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