

Alexander Moewes

List of Publications by Year in descending order

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230
papers

4,361
citations

109321

35
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182427

51
g-index

231
all docs

231
docs citations

231
times ranked

6485
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse-Tunable Red Luminescence and Electronic Properties of Nitridoberyllaluminates $\text{Sr}_2\text{Ba}[\text{BeAl}_3\text{N}_5]\text{Eu}^{2+}$ ($x=0$). Chemistry - A European Journal, 2022, 28, .	3.3	2
2	Energy levels of Eu^{2+} states in the next-generation LED-phosphor $\text{SrLi}_2\text{Al}_2\text{O}_2\text{N}_2\text{Eu}^{2+}$. Journal of Materials Chemistry C, 2022, 10, 9740-9747.	5.5	13
3	Experimental and theoretical characterization of x-ray induced excitons, magnons, and transitions in MoO_3 nanosheets. Physical Review Materials, 2022, 6, .	2.4	0
4	Electronic Properties of Carbyne Chains: Experiment and Theory. Journal of Physical Chemistry C, 2021, 125, 8268-8273.	3.1	6
5	Unraveling the Energy Levels of Eu^{2+} Ions in $\text{MBe}_{20}\text{N}_{14}\text{Eu}^{2+}$ ($M = \text{Sr}, \text{Ba}$) Phosphors. Journal of Physical Chemistry C, 2021, 125, 11828-11837.	3.1	8
6	Comprehensive Band Gap and Electronic Structure Investigations of the Prominent Phosphors $\text{M}_2\text{Si}_5\text{N}_8\text{Eu}^{2+}$ ($M = \text{Ca}, \text{Sr}, \text{Ba}$) Determined Using Soft X-ray Spectroscopy and Density Functional Theory. Journal of Physical Chemistry C, 2021, 125, 25799-25806.	3.1	6
7	Detecting a Hierarchy of Deep-Level Defects in the Model Semiconductor ZnSiN_2 . Journal of Physical Chemistry C, 2021, 125, 27959-27965.	3.1	2
8	Electronic structure investigation of wide band gap semiconductors Mg_2PN_3 and Zn_2PN_3 : experiment and theory. Journal of Physics Condensed Matter, 2020, 32, 405504.	1.8	2
9	Understanding of Luminescence Properties Using Direct Measurements on Eu^{2+} Doped Wide Bandgap Phosphors. Advanced Optical Materials, 2020, 8, 2000504.	7.3	17
10	Origin and control of room temperature ferromagnetism in Co, Zn -doped SnO_2 : oxygen vacancies and their local environment. Journal of Materials Chemistry C, 2020, 8, 4902-4908.	5.5	6
11	Direct Evidence of Charge Transfer upon Anion Intercalation in Graphite Cathodes through New Electronic States: An Experimental and Theoretical Study of Hexafluorophosphate. Chemistry of Materials, 2020, 32, 2036-2043.	6.7	5
12	Energy band gaps and excited states in $\text{Si QD}/\text{SiO}_2/\text{R}_2\text{O}_3$ ($R = \text{Si}, \text{Al}, \text{Zr}$) suboxide superlattices. Journal of Physics Condensed Matter, 2019, 31, 415301.	3.1	2
13	Electronic structure and structural defects in 3d-metal doped In_2O_3 . Journal of Materials Science: Materials in Electronics, 2019, 30, 14091-14098.	2.2	1
14	A Probe of Valence and Conduction Band Electronic Structure of Lead Oxide Films for Photodetectors. ChemPhysChem, 2019, 20, 3328-3335.	2.1	3
15	Paving the way towards green catalytic materials for green fuels: impact of chemical species on Mo-based catalysts for hydrodeoxygenation. RSC Advances, 2019, 9, 18292-18301.	3.6	9
16	Fundamental crystal field excitations in magnetic semiconductor SnO_2 : Mn, Fe, Co, Ni. Physical Chemistry Chemical Physics, 2019, 21, 11992-11998.	2.8	5
17	Frontispiece: Oxygen Vacancy Induced Structural Distortions in Black Titania: A Unique Approach using Soft X-ray EXAFS at the O-K Edge. Chemistry - A European Journal, 2019, 25, .	3.3	0
18	Bandgap and Electronic Structure Determination of Oxygen-Containing Ammonothermal InN : Experiment and Theory. Journal of Physical Chemistry C, 2019, 123, 8943-8950.	3.1	13

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19	Oxygen Vacancy Induced Structural Distortions in Black Titania: A Unique Approach using Soft X-ray EXAFS at the O K Edge. Chemistry - A European Journal, 2019, 25, 3272-3278.	3.3	4
20	Luminescence of an Oxonitridoberyllate: A Study of Narrow-Band Cyan-Emitting $\text{Sr}[\text{Be}_6\text{ON}_4]\text{Eu}^{2+}$. Chemistry of Materials, 2018, 30, 3122-3130.	6.7	77
21	Ultra-small Au nanocatalysts supported on nitrated carbon for electrocatalytic CO_2 reduction: the role of the carbon support in high selectivity. Nanoscale, 2018, 10, 14678-14686.	5.6	57
22	Designing Luminescent Materials and Band Gaps: A Soft X-ray Spectroscopy and Density Functional Theory Study of $\text{Li}_2\text{Ca}_2[\text{Mg}_2\text{Si}_2\text{N}_6]\text{Eu}^{2+}$ and $\text{Ba}[\text{Li}_2(\text{Al}_2\text{Si}_2\text{N}_6)]\text{Eu}^{2+}$. Journal of Physical Chemistry C, 2017, 121, 14296-14301.	3.1	15
23	Intercalation-Induced Exfoliation and Thickness-Modulated Electronic Structure of a Layered Ternary Vanadium Oxide. Chemistry of Materials, 2017, 29, 3285-3294.	6.7	19
24	X-ray spectroscopic study of amorphous and polycrystalline PbO films, $\hat{1}\text{-PbO}$, and $\hat{1}^2\text{-PbO}$ for direct conversion imaging. Scientific Reports, 2017, 7, 13159.	3.3	17
25	The electronic structure of $\hat{1}\text{-V}_2\text{O}_5$: an expanded band gap in a double-layered polymorph with increased interlayer separation. Journal of Materials Chemistry A, 2017, 5, 23694-23703.	10.3	10
26	Direct Measurements of Energy Levels and Correlation with Thermal Quenching Behavior in Nitride Phosphors. Chemistry of Materials, 2017, 29, 7976-7983.	6.7	27
27	Bulk vs. Surface Structure of 3d Metal Impurities in Topological Insulator Bi_2Te_3 . Scientific Reports, 2017, 7, 5758.	3.3	10
28	Structure-Induced Switching of the Band Gap, Charge Order, and Correlation Strength in Ternary Vanadium Oxide Bronzes. Chemistry - A European Journal, 2017, 23, 9846-9856.	3.3	3
29	Tunability of room-temperature ferromagnetism in spintronic semiconductors through nonmagnetic atoms. Physical Review B, 2017, 96, .	3.2	3
30	How functional groups change the electronic structure of graphdiyne: Theory and experiment. Carbon, 2017, 123, 1-6.	10.3	45
31	Experiment-Driven Modeling of Crystalline Phosphorus Nitride P_3N_5 : Wide-Ranging Implications from a Unique Structure. Chemistry - A European Journal, 2016, 22, 10475-10483.	3.3	27
32	Oxidized Monolayers of Epitaxial Silicene on $\text{Ag}(111)$. Scientific Reports, 2016, 6, 22510.	3.3	9
33	Transition from Reconstruction toward Thin Film on the (110) Surface of Strontium Titanate. Nano Letters, 2016, 16, 2407-2412.	9.1	28
34	Searching for pure iron in nature: the Chelyabinsk meteorite. RSC Advances, 2016, 6, 85844-85851.	3.6	6
35	The hardness of group 14 spinel nitrides revisited. Journal of the Ceramic Society of Japan, 2016, 124, 1063-1066.	1.1	6
36	Band gap and electronic structure of cubic, rhombohedral, and orthorhombic In_2O_3 polymorphs: Experiment and theory. Physical Review B, 2016, 93, .	3.2	52

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37	Contrasting 1D tunnel-structured and 2D layered polymorphs of V_2O_5 : relating crystal structure and bonding to band gaps and electronic structure. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15798-15806.	2.8	32
38	Tuning the electronic structure of graphene through nitrogen doping: experiment and theory. <i>RSC Advances</i> , 2016, 6, 56721-56727.	3.6	21
39	Electronic Structure, Bandgap, and Thermal Quenching of $Sr[Mg_3SiN_4]Eu^{2+}$ in Comparison to $Sr[LiAl_3N_4]Eu^{2+}$. <i>Advanced Optical Materials</i> , 2016, 4, 584-591.	7.3	41
40	Adjacent Fe-Vacancy Interactions as the Origin of Room Temperature Ferromagnetism in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo}$		

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55	Band gap engineering of graphene oxide by chemical modification. Carbon, 2014, 75, 366-371.	10.3	56
56	Modulation of the band gap of graphene oxide: The role of AA-stacking. Carbon, 2014, 66, 539-546.	10.3	19
57	Study of the Structural Characteristics of 3d Metals Cr, Mn, Fe, Co, Ni, and Cu Implanted in ZnO and TiO ₂ —Experiment and Theory. Journal of Physical Chemistry C, 2014, 118, 28143-28151.	3.1	26
58	Finite temperature effects on the X-ray absorption spectra of lithium compounds: First-principles interpretation of X-ray Raman measurements. Journal of Chemical Physics, 2014, 140, 034107.	3.0	43
59	Electronic structure of Co-substituted FeSe superconductor probed by soft x-ray spectroscopy and density functional theory. Physical Review B, 2014, 90, .	3.2	6
60	Electronic Structure of FeSe _{1-x} Te _x Studied by X-ray Spectroscopy and Density Functional Theory. Journal of Physical Chemistry C, 2014, 118, 25150-25157.	3.1	2
61	Local Structure of Fe Impurity Atoms in ZnO: Bulk versus Surface. Journal of Physical Chemistry C, 2014, 118, 5336-5345.	3.1	15
62	The Metallic Nature of Epitaxial Silicene Monolayers on Ag(111). Advanced Functional Materials, 2014, 24, 5253-5259.	14.9	69
63	Asymmetric pathways in the electrochemical conversion reaction of NiO as battery electrode with high storage capacity. Scientific Reports, 2014, 4, 7133.	3.3	51
64	Measuring partial fluorescence yield using filtered detectors. Journal of Synchrotron Radiation, 2014, 21, 716-721.	2.4	2
65	Excited states in yttrium orthovanadate YVO ₄ measured by soft X-ray absorption spectroscopy. Journal of Materials Science, 2013, 48, 6437-6444.	3.7	7
66	Reduction of conductivity and ferromagnetism induced by Ag doping in ZnO:Co. Thin Solid Films, 2013, 545, 488-495.	1.8	2
67	Electronic Structure of Spinel-Type Nitride Compounds Si_3N_4	7.8	59
68	Magnesium Double Nitride Mg ₃ GaN ₃ as New Host Lattice for Eu ²⁺ Doping: Synthesis, Structural Studies, Luminescence, and Band-Gap Determination. Chemistry of Materials, 2013, 25, 4044-4052.	6.7	25
69	Band Gap Tuning in Poly(triazine imide), a Nonmetallic Photocatalyst. Journal of Physical Chemistry C, 2013, 117, 8806-8812.	3.1	47
70	Fast electron dynamics in vanadates measured by resonant inelastic x-ray scattering. Materials Letters, 2013, 107, 144-146.	2.6	1
71	Optimizing and characterizing grating efficiency for a soft X-ray emission spectrometer. Journal of Synchrotron Radiation, 2013, 20, 272-285.	2.4	22
72	Band Gap Tuning in ZnO Through Ni Doping via Spray Pyrolysis. Journal of Physical Chemistry C, 2013, 117, 12745-12753.	3.1	104

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73	Electronic Band Gap Reduction in Manganese Carbodiimide: MnNCN. Journal of Physical Chemistry C, 2013, 117, 12754-12761.	3.1	36
74	The formation of Ti ⁴⁺ O tetrahedra and band gap reduction in SiO ₂ via pulsed ion implantation. Journal of Applied Physics, 2013, 113, 103704.	2.5	12
75	Effect of unpaired dopant electrons and $\langle p \rangle$ coupling in carbon-doped In ₂ O ₃ . Journal of Applied Physics, 2013, 113, 103704.	3.2	33
76	Effect of 3d doping on the electronic structure of BaFe ₂ As ₂ . Journal of Physics Condensed Matter, 2012, 24, 215501.	1.8	35
77	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
78	Formation of Mn-oxide clusters in Mn ⁺ -implanted SiO ₂ probed by soft X-ray emission and absorption spectroscopy. Vacuum, 2012, 86, 1615-1617.	3.5	1
79	Electronic structure of titanium monoxide with randomly distributed vacancies. JETP Letters, 2012, 95, 641-646.	1.4	11
80	Interplay of ballistic and chemical effects in the formation of structural defects for Sn and Pb implanted silica. Journal of Non-Crystalline Solids, 2012, 358, 3187-3192.	3.1	4
81	Chemical Bonding and Hybridization in 5d Binary Oxide. Journal of Physical Chemistry C, 2012, 116, 24248-24254.	3.1	22
82	Structural ordering in a silica glass matrix under Mn ion implantation. Journal of Physics Condensed Matter, 2012, 24, 185402.	1.8	3
83	Oxygen-vacancy-induced ferromagnetism in undoped SnO ₂ thin films. Physical Review B, 2012, 85, .	3.2	124
84	Band-gap engineering in TiO ₂ -based ternary oxides. Physical Review B, 2012, 85, .	3.2	16
85	Epoxide Speciation and Functional Group Distribution in Graphene Oxide Paper-Like Materials. Advanced Functional Materials, 2012, 22, 3950-3957.	14.9	73
86	Selective Response of Mesoporous Silicon to Adsorbants with Nitro Groups. Chemistry - A European Journal, 2012, 18, 2912-2922.	3.3	6
87	The electronic structure of lithium metagallate. Journal of Physics Condensed Matter, 2011, 23, 445501.	1.8	22
88	Appearance of Ferromagnetism in Co-Doped CeO ₂ Diluted Magnetic Semiconductors Prepared by Solid-State Reaction. Journal of Physical Chemistry C, 2011, 115, 1556-1560.	3.1	55
89	X-ray absorption and emission spectroscopic investigation of Mn doped ZnO films. Applied Surface Science, 2011, 257, 10748-10748.	6.1	3
90	Pb ⁺ implanted SiO ₂ probed by soft x-ray emission and absorption spectroscopy. Journal of Non-Crystalline Solids, 2011, 357, 3381-3384.	3.1	6

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91	Boron Enhanced Synthesis of Ti-hydride Nanoparticles by Milling Ti/B in Hydrogen Flow. Current Nanoscience, 2011, 7, 757-769.	1.2	0
92	Nature of the electronic states involved in the chemical bonding and superconductivity at high pressure in SnO. JETP Letters, 2011, 94, 142-146.	1.4	9
93	Ca ₃ N ₂ and Mg ₃ N ₂ : Unpredicted High-Pressure Behavior of Binary Nitrides. Journal of the American Chemical Society, 2011, 133, 4307-4315.	13.7	26
94	Electronic structure of the Si-C-N amorphous films. Physics of the Solid State, 2011, 53, 1806-1810.	0.6	1
95	Molecular orientation and optical luminescence properties of soluble star shaped oligothiophene molecules for organic electronic applications. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 355-359.	1.7	2
96	Evaluation of antioxidant activity and electronic structure of aspirin and paracetamol. Journal of Molecular Structure, 2011, 985, 63-69.	3.6	6
97	Anion ordering in spinel-type gallium oxonitride. Physical Review B, 2011, 84, .	3.2	13
98	Identifying local dopant structures and their impact on the magnetic properties of spintronic materials. Physical Review B, 2011, 83, .	3.2	14
99	Material Properties and Structural Characterization of M ₃ Si ₆ O ₁₂ N ₂ :Eu ²⁺ (M=Ba, Sr) A Comprehensive Study on a Promising Green Phosphor for pcLEDs. Chemistry - A European Journal, 2010, 16, 9646-9657.	3.3	99
100	RIXS approach to local environment around impurity atoms in diluted magnetic semiconductors and dielectrics. Journal of Electron Spectroscopy and Related Phenomena, 2010, 181, 202-205.	1.7	0
101	Element-specific electronic structure of Mn dopants and ferromagnetism of (Zn,Mn)O thin films. Thin Solid Films, 2010, 518, 2825-2829.	1.8	8
102	Interfacial properties and characterization of Sc/Si multilayers. Thin Solid Films, 2010, 518, 3808-3812.	1.8	6
103	Electronic structure of Mn in (Zn, Mn)O probed by resonant X-ray emission spectroscopy. Solid State Communications, 2010, 150, 1065-1068.	1.9	3
104	Charge transfer and band gap of ferrocene intercalated into TiSe ₂ . Chemical Physics Letters, 2010, 497, 187-190.	2.6	14
105	Correlation effects in Ni ^{3d} states of LaNiPO. Physical Review B, 2010, 81, .	3.2	5
106	Class of tunable wide band gap semiconductors $\text{NaCrSi}^{\text{I}^3}$ Physical Review B, 2010, 81, .	3.2	32
107	Electronic properties of pyroxenes NaFeSi Physical Review B, 2010, 81, .	3.2	11
108	Electronic structure of BiM_2O_6 and related oxides. Physical Review B, 2010, 81, .	3.2	6

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109	Band gaps and electronic structure of alkaline-earth and post-transition-metal oxides. <i>Physical Review B</i> , 2010, 81, .	3.2	78
110	Valence Band Structure and X-ray Spectra of Oxygen-Deficient Ferrites SrFeO_{x-1} . <i>Journal of Physical Chemistry C</i> , 2010, 114, 5154-5159.	3.1	59
111	Contribution of Fe^{3+} to the Fermi level of CaFe_2 . <i>Physical Review B</i> , 2009, 80, .	3.2	27
112	Identifying valence structure in LiFeAs and NaFeAs with core-level spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 345701.	1.8	16
113	Electronic structure of hydrogenated amorphous $\text{Si}_{1-x}\text{N}_x$ thin films using soft X-ray emission and absorption measurements. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 935-939.	1.8	0
114	Characterization of chemically treated titanium using soft X-ray fluorescence. <i>Materials Science and Engineering C</i> , 2009, 29, 136-139.	7.3	4
115	Strength of correlations in pnictides and its assessment by theoretical calculations and spectroscopy experiments. <i>Physica C: Superconductivity and Its Applications</i> , 2009, 469, 442-447.	1.2	40
116	Characterization of oxide layers formed on electrochemically treated Ti by using soft X-ray absorption measurements. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 169, 46-50.	1.7	8
117	Comparative Theoretical and Experimental Study of the Radiation-Induced Decomposition of Glycine. <i>Journal of Physical Chemistry A</i> , 2009, 113, 5360-5366.	2.5	24
118	Effect of N, C and B interstitial atoms on local bonding structure in mechanically activated $\text{TiH}_2/\text{h-BN}$, TiH_2/C , and TiH_2/B mixtures. <i>Journal of Alloys and Compounds</i> , 2009, 483, 309-312.	5.5	5
119	Structural models of FeSex . <i>Journal of Physics Condensed Matter</i> , 2009, 21, 435702.	1.8	4
120	Electronic structure of $d^{[0]}$ vanadates obtained by x-ray absorption and emission spectroscopies.. , 2009, , .		1
121	Ti/C and Ti/h-BN nanocomposites: Comparison of hydrogen sorption/desorption properties. <i>Chemical Physics Letters</i> , 2008, 465, 82-85.	2.6	8
122	Influence of 2-mercapto-5-nitrobenzimidazole treatment on the electronic characteristics of bottom-contact organic field-effect transistors. <i>Organic Electronics</i> , 2008, 9, 1010-1016.	2.6	4
123	Thermodynamic and kinetic factors effecting hydrogen absorption on metal hydrides. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 7505-7506.	7.1	0
124	Energy band structure and X-ray spectra of phenakite Be_2SiO_4 . <i>Physics of the Solid State</i> , 2008, 50, 615-620.	0.6	5
125	X-ray emission and photoluminescence spectroscopy of nanostructured silica with implanted copper ions. <i>Physics of the Solid State</i> , 2008, 50, 2322-2326.	0.6	4
126	Determining the sp^2/sp^3 bonding concentrations of carbon films using X-ray absorption spectroscopy. <i>Canadian Journal of Physics</i> , 2008, 86, 1401-1407.	1.1	3

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127	Substituent Effects in the Iron 2p and Carbon 1s Edge Near-Edge X-ray Absorption Fine Structure (NEXAFS) Spectroscopy of Ferrocene Compounds. Journal of Physical Chemistry A, 2008, 112, 624-634.	2.5	33
128	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
129	Unipolar-to-Ambipolar Conversion of Organic Thin-Film Transistors by Organosilane Self-Assembled Monolayer. Journal of Physical Chemistry B, 2008, 112, 16266-16270.	2.6	9
130	Effect of h -BN Additive on Hydrogen Sorption by Ti under Mechanical Treatment in H_2 /He Flow. Journal of Physical Chemistry C, 2008, 112, 5869-5879.	3.1	10
131	Defect-induced ferromagnetism in Mn-doped Cu_2O . Journal of Physics Condensed Matter, 2008, 20, 215216.	1.8	9
132	X-ray spectra and electronic structure of Sc and Ti dihydrides. Journal of Physics Condensed Matter, 2008, 20, 335224.	1.8	1
133	X-ray spectra and electronic structures of the iron arsenide superconductors $R_{1-x}Fe_xAsO$		

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145	Dependence of DNA Electronic Structure on Environmental and Structural Variations. Journal of Physical Chemistry B, 2006, 110, 15742-15748.	2.6	21
146	Electronic structures of LiFePO ₄ and FePO ₄ studied using resonant inelastic x-ray scattering. Physical Review B, 2006, 73, .	3.2	23
147	Combined X-ray Absorption Spectroscopy and Density Functional Theory Examination of Ferrocene-Labeled Peptides. Journal of Physical Chemistry B, 2006, 110, 5955-5965.	2.6	25
148	Experimental and Theoretical Investigation of the Electronic Structure of 5-Fluorouracil Compounds. Journal of Physical Chemistry B, 2006, 110, 18180-18190.	2.6	10
149	Plasma-enhanced synthesis of diamond nanocone films. Thin Solid Films, 2006, 494, 110-115.	1.8	9
150	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.	0.6	1
151	Clustering of impurity atoms in Co-doped anatase TiO ₂ thin films probed with soft x-ray fluorescence. Journal of Physics Condensed Matter, 2006, 18, 4243-4251.	1.8	19
152	An x-ray emission and density functional theory study of the electronic structure of Zn _{1-x} Mn _x S. Journal of Physics Condensed Matter, 2006, 18, 10405-10412.	1.8	4
153	On the bonding situation in TiCo ₂ Se ₂ . Journal of Physics Condensed Matter, 2006, 18, 1757-1768.	1.8	6
154	Electronic structure and charge carriers in metallic DNA investigated by soft x-ray spectroscopy. Physical Review B, 2006, 73, .	3.2	10
155	Probing changes in the Mn _{3d} band of Sm _{0.525} Sr _{0.475} MnO ₃ induced by oxygen isotope substitution. Physical Review B, 2006, 74, .	3.2	3
156	An indirect probe of the possible half-metallic nature of LiFePO ₄ using resonant inelastic X-ray scattering. Journal of Physics and Chemistry of Solids, 2005, 66, 2290-2294.	4.0	2
157	The L ₂ :L ₃ 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
158	Experimental evidence of the hybridization of the electron states of an impurity and the conduction band in the HgSe:Fe system. JETP Letters, 2005, 81, 72-74.	1.4	7
159	Local Environment of Fluorine Atoms in Sr ₂ Ca _n [Cu _n O ₂] _n [F ₂] _y (n = 2, 3) High-Temperature Superconductors Grown under High Pressure. Physics of the Solid State, 2005, 47, 1211.	0.6	1
160	Ion irradiation induced reduction of Fe ³⁺ to Fe ²⁺ and Fe ⁰ in triethoxysilane films. Journal of Physics Condensed Matter, 2005, 17, 7023-7028.	1.8	5
161	Analysis of octadecyltrichlorosilane treatment of organic thin-film transistors using soft x-ray fluorescence spectroscopy. Applied Physics Letters, 2005, 86, 232103.	3.3	23
162	Chemical reaction at the interface between pentacene and HfO ₂ . Physical Review B, 2005, 72, .	3.2	9

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163	Meeting Reports: Canadian Light Source Seventh Annual Users' Meeting Workshops. Synchrotron Radiation News, 2005, 18, 2-6.	0.8	0
164	The effects of bias polarity on diamond deposition by hot-filament chemical vapor deposition. Canadian Journal of Physics, 2005, 83, 753-759.	1.1	5
165	Electronic Structure of the Nucleobases. Journal of Physical Chemistry B, 2005, 109, 7749-7757.	2.6	55
166	Resonant inelastic soft x-ray scattering and electronic structure of LiBC. Journal of Physics Condensed Matter, 2004, 16, 5137-5142.	1.8	15
167	Tight-binding model for the x-ray absorption and emission spectra of dilute GaN _x As _{1-x} at the nitrogen K-edge. Physical Review B, 2004, 69, .	3.2	4
168	Testing the magnetism of polymerized fullerene. Physical Review B, 2004, 69, .	3.2	31
169	Properties of non-equivalent sites and bandgap of spinel-phase silicon nitride. Journal of Physics Condensed Matter, 2004, 16, 6469-6476.	1.8	23
170	The electronic structure of KTaO ₃ : a combined x-ray spectroscopic investigation. Journal of Physics Condensed Matter, 2004, 16, 8213-8219.	1.8	7
171	Influence of the Coulomb parameter U on partial densities of states of CuGeO ₃ : comparison with X-ray spectral data. European Physical Journal B, 2004, 41, 295-300.	1.5	4
172	Electronic structure and thermoelectric properties of skutterudite compounds. Journal of Physics Condensed Matter, 2004, 16, 979-987.	1.8	26
173	Isomer structure of high-pressure hydrofullerene probed by soft X-ray emission. Computational and Theoretical Chemistry, 2003, 639, 27-33.	1.5	5
174	X-ray emission spectra of vanadium atoms in a new series of (Cu,V)-based high-T _c superconductors. Journal of Solid State Chemistry, 2003, 170, 188-191.	2.9	4
175	Electronic structure and bonding in vitamin B12, cyanocobalamin. Computational and Theoretical Chemistry, 2003, 622, 221-227.	1.5	42
176	π and π*-band dispersion of graphite from polarized resonant inelastic X-ray scattering measurements. JETP Letters, 2003, 77, 108-111.	1.4	6
177	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
178	Half-metallic electronic structure of CrO ₂ in resonant scattering. Physical Review B, 2003, 67, .	3.2	34
179	Electronic structure of magnetic molecules V ₁₅ : LSDA+U calculations, x-ray emissions, and photoelectron spectra. Physical Review B, 2003, 67, .	3.2	29
180	The electronic structure and chemical bonding of vitamin B 12. Europhysics Letters, 2003, 62, 582-587.	2.0	26

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181	Band dispersion of MgB ₂ , graphite and diamond from resonant inelastic scattering. Journal of Physics Condensed Matter, 2003, 15, 2081-2089.	1.8	15
182	X-ray emission spectroscopy study of the Verwey transition in Fe ₃ O ₄ . Journal of Physics Condensed Matter, 2003, 15, 2017-2022.	1.8	5
183	Electronic structure of alkali-metal-doped M ₈ Si ₄₆ (M=Na,K) clathrates. Physical Review B, 2002, 65, .	3.2	26
184	Valence-band spectra of BEDT-TTF and TTF-based magnetic charge-transfer salts. Physical Review B, 2002, 65, .	3.2	5
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