

Miguel Abbate

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126
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#	Paper	IF	Citations
126	Controlled-valence properties of $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$ and $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ studied by soft-x-ray absorption spectroscopy. <i>Physical Review B</i> , 1992 , 46, 4511-4519	3.3	564
125	Electronic structure of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ studied by photoemission and x-ray-absorption spectroscopy. <i>Physical Review B</i> , 1995 , 51, 13942-13951	3.3	510
124	Possibility for an intermediate-spin ground state in the charge-transfer material SrCoO_3 . <i>Physical Review B</i> , 1995 , 51, 11501-11506	3.3	305
123	Electronic structure and temperature-induced paramagnetism in LaCoO_3 . <i>Physical Review B</i> , 1997 , 55, 4257-4266	3.3	298
122	Electronic structure and spin-state transition of LaCoO_3 . <i>Physical Review B</i> , 1993 , 47, 16124-16130	3.3	294
121	Oxygen 1s x-ray absorption of tetravalent titanium oxides: A comparison with single-particle calculations. <i>Physical Review B</i> , 1993 , 48, 2074-2080	3.3	243
120	Doping-induced changes in the electronic structure of $\text{La}_x\text{Sr}_{1-x}\text{TiO}_3$: Limitation of the one-electron rigid-band model and the Hubbard model. <i>Physical Review B</i> , 1992 , 46, 9841-9844	3.3	158
119	Probing depth of soft x-ray absorption spectroscopy measured in total-electron-yield mode. <i>Surface and Interface Analysis</i> , 1992 , 18, 65-69	1.5	157
118	Soft-x-ray-absorption studies of the location of extra charges induced by substitution in controlled-valence materials. <i>Physical Review B</i> , 1991 , 44, 5419-5422	3.3	152
117	Electronic structure and magnetic states in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ studied by photoemission and x-ray-absorption spectroscopy. <i>Physical Review B</i> , 1997 , 56, 1290-1295	3.3	141
116	Soft-x-ray-absorption studies of the electronic-structure changes through the VO_2 phase transition. <i>Physical Review B</i> , 1991 , 43, 7263-7266	3.3	135
115	2p X-ray absorption of titanium in minerals. <i>Physics and Chemistry of Minerals</i> , 1992 , 19, 140-147	1.6	128
114	Dilute-defect magnetism: Origin of magnetism in nanocrystalline CeO_2 . <i>Physical Review B</i> , 2009 , 80,	3.3	121
113	Oxygen 1s and cobalt 2p X-ray absorption of cobalt oxides. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 2277-2288	1.8	118
112	Surface effects in the Ni 2p x-ray photoemission spectra of NiO . <i>Physical Review B</i> , 2007 , 75,	3.3	116
111	X-ray absorption of the negative charge-transfer material $\text{SrFe}_{1-x}\text{Co}_x\text{O}_3$. <i>Physical Review B</i> , 2002 , 65,	3.3	104
110	Soft X-ray absorption spectroscopy of vanadium oxides. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1993 , 62, 185-195	1.7	102

109	Band-structure and cluster-model calculations of LaCoO ₃ in the low-spin phase. <i>Physical Review B</i> , 1994 , 49, 7210-7218	3.3	95
108	Electronic structure of SrRuO ₃ . <i>Physical Review B</i> , 1997 , 56, 6380-6383	3.3	93
107	Electronic structure of the transition metal ions in LiCoO ₂ , LiNiO ₂ and LiCo _{0.5} Ni _{0.5} O ₂ . <i>Chemical Physics Letters</i> , 1999 , 309, 14-18	2.5	83
106	Fine structure of the Ca 2p x-ray-absorption edge for bulk compounds, surfaces, and interfaces. <i>Physical Review B</i> , 1991 , 43, 6899-6907	3.3	82
105	Electronic structure and metal-insulator transition in LaNiO ₃ . <i>Physical Review B</i> , 2002 , 65,	3.3	75
104	Polyaniline/lignin blends: thermal analysis and XPS. <i>European Polymer Journal</i> , 2001 , 37, 2217-2223	5.2	68
103	The soft X-ray spectroscopy beamline at the LNLS: technical description and commissioning results. <i>Journal of Synchrotron Radiation</i> , 1999 , 6, 964-972	2.4	68
102	The O 1s x-ray absorption spectra of transition-metal oxides: The TiO ₂ , TiO _{2-x} F _x O ₂ and V ₂ O ₅ , Nb ₂ O ₅ , Ta ₂ O ₅ series. <i>Solid State Communications</i> , 1993 , 87, 699-703	1.6	64
101	Chemical changes induced by sputtering in TiO ₂ and some selected titanates as observed by X-ray absorption spectroscopy. <i>Surface Science</i> , 1993 , 290, 427-435	1.8	63
100	Surface contributions to the XPS spectra of nanostructured NiO deposited on HOPG. <i>Surface Science</i> , 2012 , 606, 1426-1430	1.8	61
99	Ti-, Al-, and Cu-Doping Induced Gap States in LiFePO ₄ . <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A288		59
98	Investigation of surface and non-local screening effects in the Ni 2p core level photoemission spectra of NiO. <i>Chemical Physics Letters</i> , 2011 , 501, 437-441	2.5	58
97	Interface effects in the Ni2p x-ray photoelectron spectra of NiO thin films grown on oxide substrates. <i>Physical Review B</i> , 2008 , 77,	3.3	57
96	Electronic Structure of Transition Metal Ions in Deintercalated and Reintercalated LiCo _{0.5} Ni _{0.5} O ₂ . <i>Journal of the Electrochemical Society</i> , 2000 , 147, 1651	3.9	54
95	Thermal oxidation of TiN studied by means of soft x-ray absorption spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1993 , 11, 47-51	2.9	52
94	The electronic structure of mesoscopic NiO particles. <i>Chemical Physics Letters</i> , 1993 , 208, 460-464	2.5	48
93	Preparation and characterization of TiO ₂ and V ₂ O ₅ nanoparticles produced by ball-milling. <i>Journal of Alloys and Compounds</i> , 2003 , 352, 16-20	5.7	47
92	Electronic structure of CaMnO _x with 2.66. <i>Physical Review B</i> , 1998 , 58, 3755-3761	3.3	41

91	Electronic structure of $Y_{1-x}Ca_xVO_3$ studied by high-energy spectroscopies. <i>Physical Review B</i> , 1999 , 59, 7422-7432	3.3	41
90	Oxidation State and Size Effects in CoO Nanoparticles. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 6676-6679	3.3	40
89	Evolution of the spectral weight in the Mott-Hubbard series $SrVO_3$ - $CaVO_3$ - $LaVO_3$ - YVO_3 . <i>Physical Review B</i> , 2008 , 78,	3.3	39
88	Fe and Mo Valences in Sr_2FeMoO_6 . <i>Solid State Communications</i> , 2001 , 120, 161-164	1.6	39
87	Changes in the electronic structure of Ti_4O_7 across the semiconductor-semiconductor-metal transitions. <i>Physical Review B</i> , 1995 , 51, 10150-10153	3.3	35
86	Chemical analysis of passivated and oxidized layers on FeCr and FeTi alloys by soft x-ray absorption spectroscopy. <i>Surface and Interface Analysis</i> , 1993 , 20, 21-26	1.5	34
85	Polarization dependence of the Cu 2p absorption spectra in $(Bi_{0.84}Pb_{0.16})_2Sr_2CaCu_2O_8$. <i>Physical Review B</i> , 1990 , 42, 7914-7917	3.3	34
84	The electronic structure of TiN and VN: X-ray and electron spectra compared to band structure calculations. <i>Solid State Communications</i> , 1997 , 102, 291-296	1.6	33
83	Splitting of Ni 3d states at the surface of NiO nanostructures. <i>Physical Review B</i> , 2006 , 74,	3.3	32
82	The electronic structure of ZrO_2 : Band structure calculations compared to electron and x-ray spectra. <i>Solid State Communications</i> , 1995 , 93, 659-665	1.6	32
81	The interaction of N with Ti and the oxidation of TiN studied by soft X-ray absorption spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1993 , 62, 197-206	1.7	30
80	Formation of Li_2O in a chemically Li-intercalated V_2O_5 xerogel. <i>Solid State Ionics</i> , 2001 , 140, 241-248	3.3	27
79	Compensation temperatures and exchange bias in $La_{1.5}Ca_{0.5}CoIrO_6$. <i>Physical Review B</i> , 2016 , 93,	3.3	26
78	Structural and Morphological Characterization of the PP-0559 Kaolinite from the Brazilian Amazon Region. <i>Journal of the Brazilian Chemical Society</i> , 2002 , 13, 270-275	1.5	26
77	The LNLS soft X-ray spectroscopy beamline. <i>Journal of Synchrotron Radiation</i> , 1998 , 5, 539-41	2.4	25
76	Resonant photoemission at the 2p thresholds of Fe, Co, and Ni metal. <i>European Physical Journal B</i> , 1994 , 95, 9-12	1.2	25
75	Synthesis, crystal chemistry and physical properties of the Ruddlesden-Popper phases $Sr_3Fe_2-xNi_xO_{7-(x/2)}$. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1559-1568	3.3	24
74	Effects of Ni vacancies and crystallite size on the O 1s and Ni 2p x-ray absorption spectra of nanocrystalline NiO. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 495506	1.8	23

73	The negative and positive structural effects of Ga doping in the electrochemical performance of LiCoO ₂ . <i>Electrochimica Acta</i> , 2005 , 51, 7-13	6.7	23
72	Cluster model calculations with nonlocal screening channels of metallic and insulating VO ₂ . <i>Physical Review B</i> , 2006 , 74,	3.3	22
71	Antiferromagnetic-to-ferromagnetic transition induced by diluted Co in SrFe _{1-x} Co _x O ₃ : Magnetic circular x-ray dichroism study. <i>Physical Review B</i> , 2005 , 71,	3.3	22
70	XANES and EXAFS of chemically deintercalated LiCo _{0.5} Ni _{0.5} O ₂ . <i>Solid State Ionics</i> , 2001 , 139, 83-88	3.3	22
69	Mn-2p XPS spectra of differently hole-doped Mn perovskites. <i>Solid State Communications</i> , 2002 , 123, 81-85	1.6	19
68	Electronic structure of granular FeAl ₂ O ₃ thin films prepared by co-evaporation. <i>Solid State Communications</i> , 2000 , 116, 457-460	1.6	19
67	The growth of cobalt oxides on HOPG and SiO ₂ surfaces: A comparative study. <i>Surface Science</i> , 2014 , 624, 145-153	1.8	18
66	Optical conductivity and x-ray absorption spectra of the Mott-Hubbard compounds RVO ₃ (R=Sr, Ca, La, and Y). <i>Physical Review B</i> , 2009 , 80,	3.3	18
65	The electronic structure of CaMnO _x with 2.66 x 3.00. <i>Solid State Communications</i> , 1997 , 103, 9-13	1.6	18
64	Electronic structure and band gap of the negative charge-transfer material Sr ₃ Fe ₂ O ₇ . <i>Solid State Communications</i> , 2004 , 129, 113-116	1.6	18
63	Cluster model and band structure calculations of V ₂ O ₅ : Reduced V ⁵⁺ symmetry and many-body effects. <i>Physical Review B</i> , 2008 , 77,	3.3	17
62	Study of the growth of NiO on highly oriented pyrolytic graphite by X-ray absorption spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007 , 156-158, 111-114	1.7	17
61	Cluster model calculations of the coherent spectral weight transfer in the bandwidth-controlled Ca _{1-x} Sr _x VO ₃ series. <i>Physical Review B</i> , 2006 , 74,	3.3	17
60	XPS and XAS spectra of CaMnO ₃ and LaMnO ₃ . <i>Physica B: Condensed Matter</i> , 2002 , 320, 51-55	2.8	17
59	The interaction of nitrogen with titanium studied by soft X-ray absorption spectroscopy: adsorption versus implantation. <i>Surface Science</i> , 1993 , 281, 120-126	1.8	17
58	Core level and valence band spectroscopy of SrRuO ₃ : Electron correlation and covalence effects. <i>Physical Review B</i> , 2012 , 86,	3.3	15
57	Anisotropy of Magnetization and Nanocrystalline Texture in Electrodeposited CeO ₂ Films. <i>Electrochemical and Solid-State Letters</i> , 2011 , 14, P9		15
56	Thermal annealing of defects in highly defective NiO nanoparticles studied by X-ray and electron spectroscopies. <i>Chemical Physics Letters</i> , 1997 , 266, 184-188	2.5	14

55	Structural and Chemical Characterization of Fe-Co Alloys Prepared by Electrodeposition. <i>Electrochemical and Solid-State Letters</i> , 2001 , 4, C20		14
54	Structural and functional characterization of (110)-oriented epitaxial $\text{La}_{2-x}\text{Ca}_x\text{MnO}_3$ electrodes and SrTiO_3 tunnel barriers. <i>Journal of Applied Physics</i> , 2007 , 101, 093902	2.5	13
53	Electronic structure of the two-dimensional negative charge-transfer material Sr_3FeMO_7 (M=Fe, Co). <i>Physical Review B</i> , 2005 , 71,	3.3	13
52	Comparative study of the unoccupied electronic structure of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ and LaMnO_3 using O 1s X-ray absorption spectroscopy. <i>Solid State Communications</i> , 1999 , 111, 437-441	1.6	13
51	Minimal model needed for the Mott-Hubbard SrVO_3 compound. <i>Physical Review B</i> , 2009 , 79,	3.3	12
50	Importance of the $V3d\text{-}O2p$ hybridization in the Mott-Hubbard material V_2O_3 . <i>Physical Review B</i> , 2007 , 75,	3.3	12
49	Modification of the Interlayer Surface of Layered Copper(II) Hydroxide Acetate with Benzoate Groups: Submicrometer Fiber Generation. <i>Journal of Colloid and Interface Science</i> , 2001 , 240, 245-251	9.3	12
48	Evolution of the spectral function in Mott-Hubbard systems across metal-insulator transitions. <i>Physica B: Condensed Matter</i> , 1993 , 186-188, 981-985	2.8	12
47	X-ray spectroscopy and electronic structure of MoO_2 . <i>Journal of Alloys and Compounds</i> , 2017 , 691, 138-143	4.7	11
46	Resonant Photoemission and X-ray Absorption Study of the Electronic Structure of the $\text{TiO}_2/\text{Al}_2\text{O}_3$ Interface. <i>Langmuir</i> , 2001 , 17, 7339-7343	4	11
45	Interface effects in the electronic structure of TiO_2 deposited on MgO, Al_2O_3 and SiO_2 substrates. <i>Surface Science</i> , 2011 , 605, 539-544	1.8	10
44	Ion irradiation effects on hardness and elastic modulus in AZ 1350 photoresist film. <i>Thin Solid Films</i> , 2002 , 411, 256-261	2.2	10
43	Evolution of the $d $ band across the metal-insulator transition in VO_2 . <i>Solid State Communications</i> , 2005 , 135, 189-192	1.6	10
42	Photoemission study of the solid-state interdiffusion in hybrid Fe/ZnSe/GaAs(001) heterostructures. <i>Journal of Applied Physics</i> , 2001 , 90, 5973-5978	2.5	10
41	Chemical study of passivating chromium oxide films by soft X-ray absorption spectroscopy. <i>Analyst, The</i> , 1994 , 119, 609	5	10
40	Cluster model calculations of the filling-controlled YVO_3 and CaVO_3 compounds. <i>Physical Review B</i> , 2007 , 76,	3.3	9
39	Electronic structure of $\text{Sr}_2\text{FeMoO}_6$. <i>Physica B: Condensed Matter</i> , 2002 , 320, 43-46	2.8	9
38	Improvement in the electrochemical performance of $\text{Li}_x\text{V}_2\text{O}_5$ induced by Tb doping. <i>Journal of Power Sources</i> , 2002 , 112, 290-293	8.9	9

37	The bremsstrahlung isochromat spectra of d0 transition-metal oxides. <i>Solid State Communications</i> , 1994 , 91, 551-554	1.6	9
36	Magnetic properties, x-ray absorption spectroscopy and electronic structure of GdCrTiO5. <i>Journal of Alloys and Compounds</i> , 2017 , 724, 67-73	5.7	8
35	Superconductivity and magnetism in the KxMoO2. <i>Journal of Applied Physics</i> , 2012 , 112, 073923	2.5	8
34	Optical response of metallic and insulating VO2 calculated with the LDA approach. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 346225	1.8	8
33	Line asymmetry in the x-ray photoelectron spectra of Ar and K implanted in Al. <i>Physical Review B</i> , 1989 , 39, 7641-7644	3.3	8
32	Ion-induced desorption of oxygen from solid surfaces. <i>Journal of Nuclear Materials</i> , 1987 , 144, 287-289	3.3	8
31	Electrical Resistivity in Non-stoichiometric MoO2. <i>Brazilian Journal of Physics</i> , 2015 , 45, 234-237	1.2	7
30	Nanopatterning on highly oriented pyrolytic graphite surfaces promoted by cobalt oxides. <i>Carbon</i> , 2015 , 85, 89-98	10.4	7
29	Evidence of chemical bonding in the electronic structure of a metastable Fe80Cu20 alloy. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 5723-5729	1.8	7
28	Electronic structure of chemically deintercalated LiCo0.9Ga0.1O2. <i>Physical Review B</i> , 2004 , 70,	3.3	6
27	Paramagnetic anisotropy of a natural kaolinite and its modification by chemical reduction. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 241, 422-429	2.8	6
26	Ce valence in La0.47Ce0.20Ca0.33MnO3. <i>Journal of Alloys and Compounds</i> , 2004 , 369, 252-255	5.7	6
25	Electronic structure of the band-filling-controlled CaVO3 and LaVO3 compounds. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 095601	1.8	5
24	Enhancement of the electrochemical performance of a Li-intercalated V2O5 xerogel doped with Eu. <i>Solid State Ionics</i> , 2003 , 160, 61-67	3.3	5
23	Electronic structure and metal-insulator transition in SrTi1-xRuxO3. <i>European Physical Journal B</i> , 2002 , 25, 203-208	1.2	5
22	The electronic structure of Ti4O7 studied by resonant photoemission. <i>Solid State Communications</i> , 1995 , 94, 465-469	1.6	5
21	Photoemission and X-Ray Absorption Study of La1-xSrxMnO3. <i>Japanese Journal of Applied Physics</i> , 1993 , 32, 258	1.4	5
20	X-ray absorption study of the Fe and Mo valence states in Sr2FeMoO6. <i>Journal of Alloys and Compounds</i> , 2015 , 640, 511-516	5.7	4

19	Electronic structure of the negative charge-transfer material Sr ₃ FeMO ₇ (M=Fe, Co, Ni). <i>Physica B: Condensed Matter</i> , 2004 , 354, 7-10	2.8	4
18	O 1s X-ray absorption spectra and band structure calculations of Ca _{1-x} Sr _x RuO ₃ . <i>Journal of Alloys and Compounds</i> , 2004 , 377, 25-28	5.7	4
17	Evolution of the electronic structure of metastable Fe _{1-x} Cu _x alloys produced by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2002 , 346, 24-28	5.7	4
16	Line shape variations of Ag auger shake-up satellites outside the resonance regime. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1999 , 101-103, 661-664	1.7	4
15	Electronic structure and metal-insulator transitions in Ti and V oxides. <i>Physica B: Condensed Matter</i> , 1993 , 186-188, 1074-1076	2.8	4
14	Many-body effects and non-local charge fluctuations in the double perovskite Sr ₂ FeMoO ₆ . <i>RSC Advances</i> , 2018 , 8, 3928-3933	3.7	3
13	Photoemission spectra and band structure calculations of Ca _{1-x} Sr _x RuO ₃ . <i>Physica B: Condensed Matter</i> , 2004 , 354, 39-42	2.8	3
12	Local impurity-phase generation in laser irradiated Li _x Co _{0.9} Ga _{0.1} O ₂ . <i>Chemical Physics Letters</i> , 2004 , 397, 520-526	2.5	3
11	Ultra-thin CoO films grown on different oxide substrates: Size and support effects and chemical stability. <i>Journal of Alloys and Compounds</i> , 2018 , 758, 5-13	5.7	3
10	Mn 3d bands and Y-O hybridization of hexagonal and orthorhombic YMnO thin films. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 295501	1.8	2
9	3p - α d resonant photoemission spectroscopy of a TiO ₂ sub-monolayer grown on Al ₂ O ₃ . <i>Surface Science</i> , 2004 , 566-568, 515-519	1.8	2
8	Electronic Structure of Metastable Fe _[sub 1-x] Co _[sub x] Alloys Produced by Electrodeposition. <i>Electrochemical and Solid-State Letters</i> , 2003 , 6, C85		2
7	Plasmon production in the X-ray photoelectron spectra of Ar and K implanted in Al and Si. <i>Journal of Physics Condensed Matter</i> , 1989 , 1, 1929-1932	1.8	2
6	Bulk-sensitive Mo 4d electronic structure of Sr ₂ FeMoO ₆ probed by high-energy Mo L ₃ resonant photoemission. <i>Europhysics Letters</i> , 2017 , 118, 37002	1.6	1
5	Similarities in the screening effects of the core level and valence band spectra of VO ₂ . <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 375602	1.8	1
4	Evolution of the electronic structure across the filling-control and bandwidth-control metal-insulator transitions in pyrochlore-type Ru oxides. <i>Physical Review B</i> , 2006 , 73,	3.3	1
3	Linearly polarized Cu K-edge absorption spectroscopy of CuGeO ₃ : Orbital population, band dispersion, and exchange interactions. <i>Physical Review B</i> , 1999 , 59, 12450-12456	3.3	1
2	Ion-induced desorption of loosely bound oxygen adsorbed on solid surfaces. <i>Journal of Nuclear Materials</i> , 1990 , 175, 1-4	3.3	1

- 1 Spectroscopy and electronic structure of Sr₂YRuO₆ and Sr₂YRu_{0.75}Ir_{0.25}O₆. *Physical Review B*, **2016**, 94, 33 1