List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Heating system for in situ XANES measurements in the soft X-ray region of bulk samples at BL10/NewSUBARU. Analytical Sciences, 2022, 38, 717-723.	0.8	1
2	Relationship between Width and Height of π* Peak in CK-XANES of Graphitic Carbons. Analytical Sciences, 2021, 37, 1617-1623.	0.8	3
3	On the Nature of Organic Dust in Novae. Astrophysical Journal, 2021, 917, 103.	1.6	9
4	Interfacial effect between graphite and iron substrate on basal plane orientation and lubricity of graphite. Tribology International, 2020, 151, 106455.	3.0	4
5	Contribution of edge-carbon atoms and non-benzenoid rings in graphitic carbons to π* peak profiles in CK-XANES spectra. IOP Conference Series: Materials Science and Engineering, 2020, 835, 012025.	0.3	0
6	Molecular evolution during hydrothermal reactions from formaldehyde and ammonia simulating aqueous alteration in meteorite parent bodies. Icarus, 2020, 347, 113827.	1.1	18
7	Total-Electron-Yield Measurements by Soft X-Ray Irradiation of Insulating Organic Films on Conductive Substrates. Analytical Sciences, 2020, 36, 1507-1511.	0.8	1
8	Soft X-Ray Absorption Spectra of Polyethyleneterephtalate (PET) Films ~ Mass Absorption Coefficient of Oxygen at the O <i>K</i> -Absorption Edge ~. Vacuum and Surface Science, 2020, 63, 470-475.	0.0	1
9	Insight into the origin of carbon corrosion in positive electrodes of supercapacitors. Journal of Materials Chemistry A, 2019, 7, 7480-7488.	5.2	62
10	Soft X-ray absorption near-edge structures of B/C and B/C/N materials and the analysis of their electronic state using the first-principle calculations. Tanso, 2019, 2019, 67-73.	0.1	1
11	A carbonaceous two-dimensional lattice with FeN ₄ units. Chemical Communications, 2018, 54, 8995-8998.	2.2	8
12	Soft X-ray absorption spectroscopy study of chemical states, orientation, and oxygen content of ion-irradiated vertically aligned multiwalled carbon nanotubes. Journal of Electron Spectroscopy and Related Phenomena, 2017, 220, 91-95.	0.8	2
13	Newly Developed Friction Tester for <i>in situ</i> Soft X-Ray Absorption Measurements of Frictional Engine-Oil/Metals Interfaces. Analytical Sciences, 2017, 33, 1465-1468.	0.8	2
14	Development of High-Reflective W/Si-multilayer Diffraction Grating for the Analysis of Fluorine Materials. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2015, 28, 531-536.	0.1	30
15	Electrochemical Intercalation of Sodium Ions into Thermally Reduced Graphite Oxide. Electrochemistry, 2015, 83, 345-347.	0.6	7
16	Local Structure Analysis of Graphitic Carbon Particles by Using Soft X-ray Absorption Spectroscopy and the First-principle Calculations. Journal of the Society of Powder Technology, Japan, 2015, 52, 515-522.	0.0	0
17	Silica-pillared graphene sheets with iron–nitrogen units as an oxygen reduction catalyst. Carbon, 2014, 66, 327-333.	5.4	14
18	EUV Resist Chemical Analysis by Soft X-ray Absorption Spectroscopy for High Sensitivity Achievement. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2014, 27, 631-638.	0.1	13

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19	Local structure analysis of heavily boron-doped diamond by soft x-ray spectroscopy. Diamond and Related Materials, 2013, 39, 53-57.	1.8	7
20	Quantitative and Fingerprint Analysis Method of Nitrogen in Graphitic Carbon Materials Using Total-Electron-Yield Soft X-ray Absorption Spectroscopy. Japanese Journal of Applied Physics, 2013, 52, 041304.	0.8	3
21	EUV Resist Chemical Reaction Analysis using SR. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2013, 26, 635-641.	0.1	6
22	Electronic/chemical State Analysis of Light Element Materials Using Synchrotron-Radiation Soft X-ray Spectroscopy. Materia Japan, 2013, 52, 558-562.	0.1	2
23	Chemical-State Analysis of Organic Semiconductors Using Soft X-ray Absorption Spectroscopy Combined with First-Principles Calculation. Journal of Physical Chemistry A, 2012, 116, 1527-1531.	1.1	5
24	Chemical State Analysis of Entrapped Nitrogen in Carbon Nanohorns Using Soft X-ray Emission and Absorption Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 6793-6799.	1.5	4
25	Pore Development in Carbonized Hemoglobin by Concurrently Generated MgO Template for Activity Enhancement as Fuel Cell Cathode Catalyst. ACS Applied Materials & Interfaces, 2011, 3, 4837-4843.	4.0	18
26	Characterization and Cadmium Ion-Removing Property of Adsorbents Synthesized from Inorganic Wastes. IOP Conference Series: Materials Science and Engineering, 2011, 18, 162020.	0.3	0
27	Local structure analysis of boron-doped graphite by soft x-ray emission and absorption spectroscopy using synchrotron radiation. Journal of Applied Physics, 2011, 110, .	1.1	15
28	Optimization of Heat Treatment Conditions for Oyster Shells to Increase their Ability to Remove Ions with Negative Environmental Impacts. Journal of the Japan Society of Material Cycles and Waste Management, 2011, 22, 276-283.	0.1	1
29	Total Electron Yield Ratios between Sample Components in Total-Electron-Yield Soft X-ray Absorption Spectroscopy. Bunseki Kagaku, 2010, 59, 455-461.	0.1	2
30	Adsorption structure analysis of entrapped nitrogen in carbon-nanohorns by soft X-ray emission and absorption spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2010, 181, 186-188.	0.8	5
31	Intercalation Chemistry and Electronic Structure of Graphite-Like Layered Material BC[sub 2]N. Journal of the Electrochemical Society, 2010, 157, P13.	1.3	26
32	Soft X-ray absorption spectra in the CK region of carbon black and spectral analysis using the discrete variational Xα method. Tanso, 2009, 2009, 2-8.	0.1	7
33	Quantitative and chemical-state analyses of surface oxygen on graphite oxides using total-electron-yield soft X-ray absorption spectroscopy. Tanso, 2009, 2009, 9-14.	0.1	8
34	Total Electron Yield Soft X-ray Absorption Spectroscopy in the C K Region of the Mixtures of Graphitic Carbons and Diamond for Quantitative Analysis of the sp ² /sp ³ -Hybridized Carbon Ratio. Japanese Journal of Applied Physics, 2009, 48, 066514.	0.8	12
35	Electronic structure calculations of carbon nanohorns for their chemical state analysis using soft Xâ€ray spectroscopy. International Journal of Quantum Chemistry, 2009, 109, 2728-2733.	1.0	7
36	Highâ€resolution soft Xâ€ray spectral analysis in the C <i>K</i> region of titanium carbide using the DVâ€Xα molecular orbital method. International Journal of Quantum Chemistry, 2009, 109, 2722-2727.	1.0	1

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37	Electronic structure and intercalation chemistry of graphite-like layered material with a composition of BC6N. Journal of Physics and Chemistry of Solids, 2008, 69, 1171-1178.	1.9	40
38	Soft X-Ray Absorption Spectral Analysis of Amorphous Carbon and Carbon Black Using the DV-Xα Method. Advances in Quantum Chemistry, 2008, 54, 209-218.	0.4	2
39	X-ray Magnetic Circular Dichroism and Photoemission Study of the Diluted Ferromagnetic Semiconductor Zn1-xCrxTe. Applied Physics Express, 2008, 1, 041301.	1.1	8
40	Distribution of Lead in Lead-accumulating Pteridophyte Blechnum niponicum, Measured by Synchrotron Radiation Micro X-ray Fluorescence. Analytical Sciences, 2008, 24, 1545-1549.	0.8	13
41	Chemical Analysis of Impurity Boron Atoms in Diamond Using Soft X-Ray Emission Spectroscopy. Analytical Sciences, 2008, 24, 831-834.	0.8	4
42	Soft X-Ray Emission Spectral Analysis of Graphite Fluoride (CF)n Using the DV-Xα Calculations. Advances in Quantum Chemistry, 2008, 54, 219-226.	0.4	0
43	Soft X-Ray Absorption Spectroscopy of High-Abrasion-Furnace Carbon Black. AIP Conference Proceedings, 2007, , .	0.3	2
44	Two-acceptor levels in the band gap of boron-doped diamond semiconductors analyzed by soft x-ray absorption spectroscopy and DV–Xα calculations. X-Ray Spectrometry, 2007, 36, 162-166.	0.9	8
45	Soft X-ray synchrotron radiation photoemission study on uranium compounds. Physica B: Condensed Matter, 2006, 378-380, 995-996.	1.3	1
46	Soft X-ray Absorption Magnetic Circular Dichroism Study of Ferromagnetic Superconductor UGe2. Journal of the Physical Society of Japan, 2006, 75, 024704.	0.7	12
47	Itinerant U5fband states in the layered compoundUFeGa5observed by soft x-ray angle-resolved photoemission spectroscopy. Physical Review B, 2006, 73, .	1.1	23
48	Soft X-ray emission spectra of argon atoms doped in solid matrices. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 799-802.	0.8	1
49	Characterization of surface carbon films on weathered Japanese roof tiles by soft x-ray spectroscopy. X-Ray Spectrometry, 2005, 34, 509-513.	0.9	1
50	Soft Xray Absorption Spectra of Amorphous Carbon. Physica Scripta, 2005, , 501.	1.2	4
51	Polarizance of a synthetic mica crystal polarizer and the degree of linear polarization of an undulator beamline at 880eV evaluated by the rotating-analyzer method. Review of Scientific Instruments, 2005, 76, 126106.	0.6	14
52	Element-Selective Observation of Electronic Structure Transition between Semiconducting and Metallic States in Boron-Doped Diamond Using Soft X-ray Emission and Absorption Spectroscopy. Japanese Journal of Applied Physics, 2005, 44, 6612-6617.	0.8	14
53	Simulation Study of Total-Electron-Yield X-ray Standing-Wave Spectra of Mo/SiC/Si/SiC and Mo/Si Multilayers. AIP Conference Proceedings, 2004, , .	0.3	2
54	Soft X-ray emission spectroscopy of polycyclic aromatic hydrocarbons. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 823-826.	0.8	3

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55	Evaluation of carbon films on the Japanese smoked roof tile "lbushi-Kawara―by angle-dependent soft X-ray emission spectroscopy using synchrotron radiation. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 1317-1322.	1.5	2
56	Angle-dependent total electron yield spectra in multilayer films for standing wave measurements. , 2004, 5538, 138.		0
57	First Principles Study of Core-hole Effect on Fluorine K-edge X-ray Absorption Spectra of MgF ₂ and ZnF ₂ . Materials Transactions, 2004, 45, 1991-1993.	0.4	7
58	X-ray absorption near edge structure of DNA bases around oxygen and nitrogen K-edge. Nuclear Instruments & Methods in Physics Research B, 2003, 199, 249-254.	0.6	42
59	Angle-resolved soft X-ray emission and absorption spectroscopy of hexagonal boron nitride. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 1951-1957.	2.0	20
60	Theoretically predicted soft x-ray emission and absorption spectra of graphitic-structured BC2N. Advances in Quantum Chemistry, 2003, , 353-361.	0.4	6
61	Nearly localized nature offelectrons inCeTIn5(T=Rh,Ir). Physical Review B, 2003, 67, .	1.1	36
62	Characterization of Carbon Films on the Japanese Smoked Roof Tile "Ibushi-Kawara―by High-Resolution Soft X-ray Spectroscopy. Japanese Journal of Applied Physics, 2003, 42, 6551-6555.	0.8	8
63	SOFT X-RAY ABSORPTION SPECTRA IN THE 0 K REGION OF MICROPOROUS CARBON AND SOME REFERENCE AROMATIC COMPOUNDS. Surface Review and Letters, 2002, 09, 267-270.	0.5	5
64	Total-Electron-Yield X-Ray Standing-Wave Measurements of Multilayer X-Ray Mirrors for Interface Structure Evaluation. Japanese Journal of Applied Physics, 2002, 41, 4250-4252.	0.8	7
65	Soft X-ray emission spectra in the O K region of oxygen incorporated in microporous carbon. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 301-305.	0.8	2
66	Experimental technique for radiative-process-resolved X-ray absorption spectroscopy at the inner-shell excitation thresholds. Journal of Synchrotron Radiation, 2001, 8, 369-371.	1.0	2
67	Soft X-ray emission and absorption spectra in the O K region of oxygen incorporated in microporous carbon. Carbon, 2001, 39, 1399-1402.	5.4	2
68	Soft X-ray emission and absorption spectra in the C K region of sputtered amorphous carbon films. Carbon, 2001, 39, 1403-1407.	5.4	21
69	Direct observation of benzene and pyridine molecules adsorbed in microporous carbon using synchrotron-radiation-excited soft X-ray emission spectroscopy. Carbon, 2000, 38, 1939-1942.	5.4	5
70	Soft X-ray emission and absorption spectroscopy of hydrofullerene. Journal of Electron Spectroscopy and Related Phenomena, 2000, 107, 177-184.	0.8	7
71	Si Kβ X-ray emission spectra of cubic silicon molecules identified by discrete variational (DV) Xα molecular orbital calculations. Journal of Electron Spectroscopy and Related Phenomena, 2000, 107, 27-32.	0.8	3
72	Resonant elastic x-ray scattering of graphite and diamond at the carbonKthreshold. Physical Review B, 2000, 61, R2393-R2396.	1.1	2

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73	Chemical bonding state analysis of silicon carbide layers in Mo/SiC/Si multilayer mirrors by soft x-ray emission and absorption spectroscopy. Applied Physics Letters, 2000, 77, 2653-2655.	1.5	10
74	Configurations of Benzene and Pyridine Molecules Adsorbed on Graphitic Surface of Microporous Carbon. Journal of Physical Chemistry B, 2000, 104, 7154-7162.	1.2	7
75	High-Resolution Soft X-Ray Emission Spectra of Crystalline Carbon Nitride Films Deposited by Electron Cyclotron Resonance Sputtering. Japanese Journal of Applied Physics, 1999, 38, 5143-5147.	0.8	12
76	Theoretically predicted soft X-ray emission and absorption spectra of fullerene-like carbon nitride (C24N36). Journal of Electron Spectroscopy and Related Phenomena, 1999, 104, 155-160.	0.8	8
77	Calculation of B K-V x-ray emission spectra of boron nitrides. X-Ray Spectrometry, 1999, 28, 497-502.	0.9	4
78	Valence band structure and decay process in the inner-shell excitation of boron oxide. X-Ray Spectrometry, 1999, 28, 503-508.	0.9	16
79	Soft X-ray emission and absorption—a comparative study on the sensitivity to oxidation state and ligand environment of transition metal complexes. Journal of Electron Spectroscopy and Related Phenomena, 1998, 92, 225-229.	0.8	20
80	Resonant X-ray scattering of boron compounds. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1997, 52, 593-597.	1.5	6
81	Discrete-variational Hartree-Fock-Slater calculation of polarized B K-emission band from hexagonal boron nitride thin film. Physica B: Condensed Matter, 1997, 229, 306-314.	1.3	1
82	Soft X-ray emission and absorption spectroscopy for electronic structure analysis of cubic silicon clusters in Si K-shell threshold. Journal of Electron Spectroscopy and Related Phenomena, 1997, 85, 159-165.	0.8	3
83	Enhanced Resonant X-Ray Emissions of Mechanically Milled Hexagonal Boron Nitride in BoronK-Shell Excitation. Physical Review Letters, 1996, 76, 3846-3849.	2.9	15
84	GaSb-Growth Study by Realtime Crystal-Growth Analysis System Using Synchrotron Radiation Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 1996, 35, 4457-4462.	0.8	16
85	Detection of dangling bonds in the mechanically milled h-BN nanocrystals by resonance X-ray scattering above threshold. Physica B: Condensed Matter, 1995, 208-209, 251-252.	1.3	8
86	A VUV beamline (ABL-3B) for real-time photoelectron spectroscopy at the NTT synchrotron radiation facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 342, 596-599.	0.7	7
87	Resonant x-ray Raman scattering in BKα emission spectra of boron oxide (B2O3) excited by undulator radiation. Physical Review Letters, 1993, 71, 448-451.	2.9	33
88	Discreteâ€variationalâ€Xα calculations of buckminsterfullerene (C60) and fulleride xâ€ray emission spectra. Journal of Chemical Physics, 1993, 98, 3650-3655.	1.2	22
89	Highâ€ŧemperature diffraction gratings for synchrotron radiation. Review of Scientific Instruments, 1992, 63, 1424-1427.	0.6	6
90	A 2â€m grazing incidence monochromator with a siliconâ€carbideâ€based master grating for undulator radiation. Review of Scientific Instruments, 1992, 63, 1305-1308.	0.6	9

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91	Undulatorâ€radiationâ€excited xâ€ray fluorescence analysis system for light elements. Review of Scientific Instruments, 1992, 63, 5597-5601.	0.6	14
92	Description of synchrotron radiation sources in ray tracing programs. Review of Scientific Instruments, 1989, 60, 2048-2050.	0.6	7
93	Development of a VUV/soft xâ€ray monochromator for undulator radiation at the Photon Factory. Review of Scientific Instruments, 1989, 60, 2078-2080.	0.6	9
94	Focusing of synchcrotron radiation by a multilayerâ€cylindrical tungstenâ€carbon Bragg reflector. Review of Scientific Instruments, 1989, 60, 2018-2020.	0.6	6
95	Characterization of undulator radiation from a highâ€field BLâ€16 multipole wiggler/undulator at the Photon Factory. Review of Scientific Instruments, 1989, 60, 1867-1870.	0.6	3
96	A New Ray-Tracing Program Capable of Simulating Insertion-Device Synchrotron Radiation Sources. Japanese Journal of Applied Physics, 1988, 27, L1539-L1542.	0.8	2
97	Effect of statistical fermi level shift on the Meyer-Neldel rule of a-Si:H conductivity. Journal of Non-Crystalline Solids, 1986, 81, 261-270.	1.5	7
98	Hydrogen abstraction from hydrogenated amorphous silicon surface by hydrogen atoms. Applied Physics Letters, 1986, 49, 1230-1232.	1.5	22
99	Reactions of Recoil Tritium with Naphthalene and Its Derivatives in Solid Phase. Radiochimica Acta, 1985, 38, 5-10.	0.5	4