Augusto Marcelli

List of Publications by Year
in descending order

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426	7,035	71102	114465
papers	citations	41 h-index	63 g-index

431	431	431	6962
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Specific intermediate-valence state of insulating 4fcompounds detected byL3x-ray absorption. Physical Review B, 1987, 35, 806-812.	3.2	225
2	L2,3 xanes of the high Tc superconductor YBa2Cu3Oâ‰ˆ7 with variable oxygen content. Solid State Communications, 1987, 63, 1009-1013.	1.9	200
3	Multiple-scattering regime and higher-order correlations in x-ray-absorption spectra of liquid solutions. Physical Review B, 1986, 34, 5774-5781.	3.2	196
4	Symmetry of the3d9ligand hole induced by doping inYBa2Cu3O7âˆ'Î´. Physical Review B, 1988, 38, 7196-7199.	3.2	182
5	A bright future for synchrotron imaging. Nature Photonics, 2009, 3, 179-179.	31.4	146
6	Optimum inhomogeneity of local lattice distortions in La ₂ CuO _{4+ y}. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15685-15690.	7.1	109
7	Many-body effects in praesodymium core-level spectroscopies ofPrO2. Physical Review B, 1988, 38, 3433-3437.	3.2	107
8	Delocalized versus localized unoccupied5fstates and the uranium site structure in uranium oxides and glasses probed by x-ray-absorption near-edge structure. Physical Review B, 1986, 34, 7350-7361.	3.2	95
9	Multielectron configurations in the x-ray-absorption near-edge structure of NiO at the oxygenKthreshold. Physical Review B, 1986, 33, 2979-2982.	3.2	85
10	Evidence of 3d9-ligand hole states in the superconductor La1.85Sr0.15CuO4 from L3 X-ray absorption spectroscopy. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 127, 285-291.	2.1	85
11	Evaporation of Ethanol and Ethanolâˆ'Water Mixtures Studied by Time-Resolved Infrared Spectroscopy. Journal of Physical Chemistry A, 2008, 112, 6512-6516.	2.5	81
12	Biological applications of synchrotron radiation infrared spectromicroscopy. Biotechnology Advances, 2012, 30, 1390-1404.	11.7	78
13	Multiple-scattering effects in theK-edge x-ray-absorption near-edge structure of crystalline and amorphous silicon. Physical Review B, 1987, 36, 6426-6433.	3.2	73
14	Bioâ€"nano interaction of proteins adsorbed on single-walled carbon nanotubes. Carbon, 2009, 47, 967-973.	10.3	72
15	Multielectron excitations in theK-edge x-ray-absorption near-edge spectra of V, Cr, and Mn 3d0compounds with tetrahedral coordination. Physical Review B, 1991, 43, 6885-6892.	3.2	71
16	Compression mechanisms in aluminosilicate melts: Raman and XANES spectroscopy of glasses quenched from pressures up to 10 GPa. Chemical Geology, 2001, 174, 21-31.	3.3	70
17	Highly Ordered â€œDefect-Freeâ€•Self-Assembled Hybrid Films with a Tetragonal Mesostructure. Journal of the American Chemical Society, 2005, 127, 3838-3846.	13.7	69
18	Quadrupolar transitions and medium-range-order effects in metalK-edge x-ray absorption spectra of3dtransition-metal compounds. Physical Review B, 2004, 70, .	3.2	65

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19	Infrared properties of chemical-vapor deposition polycrystalline diamond windows. Applied Optics, 1998, 37, 5731.	2.1	64
20	EuPRAXIA Conceptual Design Report. European Physical Journal: Special Topics, 2020, 229, 3675-4284.	2.6	64
21	Influence of double-electron transitions on the EXAFSLedges of rare-earth systems. Physical Review B, 1994, 49, 11652-11661.	3.2	58
22	Structural determination of titanium-oxide nanoparticles by x-ray absorption spectroscopy. Applied Physics Letters, 2002, 80, 2973-2975.	3.3	58
23	Terahertz and mid-infrared plasmons in three-dimensional nanoporous graphene. Nature Communications, 2017, 8, 14885.	12.8	58
24	Determination of the symmetry of the 3d9L states by polarized CuL3XAS spectra of single crystal YBa2Cu3Oâ‰ˆ6.9. Physica C: Superconductivity and Its Applications, 1988, 153-155, 1760-1761.	1.2	56
25	Reduction and Sorption of Chromium by Fe(II)-Bearing Phyllosilicates: Chemical Treatments and X-Ray Absorption Spectroscopy (XAS) Studies. Clays and Clay Minerals, 2000, 48, 272-281.	1.3	54
26	Time-Resolved Simultaneous Detection of Structural and Chemical Changes during Self-Assembly of Mesostructured Films. Journal of Physical Chemistry C, 2007, 111, 5345-5350.	3.1	54
27	Lack of delocalized Cup states at the fermi level in the high-T c superconductor YBa2Cu3Oâ‰¼7 by XANES spectroscopy. Zeitschrift FÃ¼r Physik B-Condensed Matter, 1987, 67, 307-312.	1.1	53
28	Symmetry dependence of x-ray absorption near-edge structure at the metal K edge of 3d transition metal compounds. Applied Physics Letters, 2001, 79, 1918-1920.	3.3	53
29	Optical performances of SINBAD, the Synchrotron INfrared Beamline At DAÎ¦NE. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 2810.	1.5	51
30	Many Body Effect in Inner Shell Photoemission and Photoabsorption Spectra of La Compounds. Journal of the Physical Society of Japan, 1987, 56, 798-809.	1.6	50
31	Evaporation-Induced Crystallization of Pluronic F127 Studied in Situ by Time-Resolved Infrared Spectroscopy. Journal of Physical Chemistry A, 2010, 114, 304-308.	2.5	48
32	Mobile monitoring of particulate matter: State of art and perspectives. Atmospheric Pollution Research, 2016, 7, 228-234.	3.8	48
33	Characterization of aluminium nitride nanostructures by XANES and FTIR spectroscopies with synchrotron radiation. Journal of Physics Condensed Matter, 2006, 18, S2095-S2104.	1.8	47
34	EuPRAXIA@SPARC_LAB Design study towards a compact FEL facility at LNF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 909, 134-138.	1.6	46
35	Photoinduced Formation of Wrinkled Microstructures with Longâ€Range Order in Thin Oxide Films. Advanced Materials, 2007, 19, 4343-4346.	21.0	45
36	Fabrication of Mesoporous Functionalized Arrays by Integrating Deep Xâ€Ray Lithography with Dipâ€Pen Writing. Advanced Materials, 2008, 20, 1864-1869.	21.0	45

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37	Multiple-scattering analysis ofK-edge x-ray-absorption near-edge spectrum of YBa2Cu3O7. Physical Review B, 1988, 38, 244-251.	3.2	44
38	Synchrotron radiation FTIR imaging in minutes: a first step towards real-time cell imaging. Analytical and Bioanalytical Chemistry, 2010, 397, 2123-2129.	3.7	43
39	Facing the challenge of biosample imaging by FTIR with a synchrotron radiation source. Journal of Synchrotron Radiation, 2010, 17, 1-11.	2.4	43
40	Phase retrieval in x-ray imaging based on using structured illumination. Physical Review A, 2008, 78, .	2.5	41
41	In vivo skin leptin modulation after 14 MeV neutron irradiation: a molecular and FT-IR spectroscopic study. Analytical and Bioanalytical Chemistry, 2012, 404, 1317-1326.	3.7	41
42	Lunar Gravitational-wave Antenna. Astrophysical Journal, 2021, 910, 1.	4.5	41
43	Determination of mixing of 4f-ligand orbitals in Ce(SO4)2 by Xanes is Ce(SO4)2 a mixed valent insulating system?. Journal of Magnetism and Magnetic Materials, 1985, 47-48, 209-211.	2.3	39
44	The structural determination of endohedral metallofullerene Gd@C₈₂by XANES. Chemical Communications, 2008, , 474-476.	4.1	39
45	Application of Synchrotron Radiation Technologies to Electrode Materials for Liâ€•and Naâ€‐ion Batteries. Advanced Energy Materials, 2017, 7, 1700460.	19.5	39
46	Three particle correlation function of metal ions in tetrahedral coordination determined by XANES. Solid State Communications, 1986, 58, 595-599.	1.9	38
47	Application of micro-FTIR imaging in the Earth sciences. Analytical and Bioanalytical Chemistry, 2010, 397, 2039-2049.	3.7	37
48	Retarding Ostwald Ripening to Directly Cast 3D Porous Graphene Oxide Bulks at Open Ambient Conditions. ACS Nano, 2020, 14, 6249-6257.	14.6	37
49	X-ray magnetic circular dichroism at the ironKedge in rare-earth-transition-metal intermetallics: Experimental probe of the rare-earth magnetic moment. Physical Review B, 1996, 54, R15637-R15640.	3.2	36
50	Percolative superconductivity in La2CuO4.06 by lattice granularity patterns with scanning micro x-ray absorption near edge structure. Applied Physics Letters, 2014, 104, .	3.3	36
51	Octahedral versus tetrahedral coordination of Al in synthetic micas determined by XANES. American Mineralogist, 1997, 82, 497-502.	1.9	35
52	Chromium-containing muscovite: crystal chemistry and XANES spectroscopy. European Journal of Mineralogy, 2001, 13, 377-389.	1.3	35
53	Potassium coordination in trioctahedral micas investigated by K-edge XANES spectroscopy. Mineralogy and Petrology, 2005, 85, 67-87.	1.1	35
54	Highâ€Efficiency and Low Distortion Photoacoustic Effect in 3D Graphene Sponge. Advanced Functional Materials, 2018, 28, 1702652.	14.9	35

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55	EXPERIMENTAL EVIDENCE OF ITINERANT Cu 3d9 - OXYGEN HOLE MANY BODY CONFIGURATION IN THE HIGH-TC SUPERCONDUCTOR YBa2Cu3O~7. International Journal of Modern Physics B, 1987, 01, 853-862.	2.0	34
56	Luminescence, vibrational and XANES studies of AlN nanomaterials. Radiation Measurements, 2007, 42, 708-711.	1.4	34
57	SR-FTIR Microscopy and FTIR Imaging in the Earth Sciences. Reviews in Mineralogy and Geochemistry, 2014, 78, 447-479.	4.8	34
58	Experimental evidence for the â€œshake-downâ€•peak in LIII (and LII)-xanes of light rare earth intermetallics. Solid State Communications, 1984, 49, 409-415.	1.9	33
59	Application of a complex potential to the interpretation of Xanes spectra the case of Na K-edge in NaCl. Solid State Communications, 1990, 76, 109-111.	1.9	32
60	X-ray magnetic circular dichroism at rare-earthL2,3edges inR2Fe14Bcompounds(R=La,Pr, Nd, Sm, Gd, Tb,) Tj ETQq0 0 0 rgBT /Overlock 1	3.2	32
61	AmorphousAl90FexCe10â^'xalloys:â€ƒX-ray absorption analysis of the Al, Fe and Ce local atomic and electronic structures. Physical Review B, 2002, 65, .	3.2	32
62	The dynamics of Fe oxidation in riebeckite: A model for amphiboles. American Mineralogist, 2018, 103, 1103-1111.	1.9	32
63	Jarosite formation in deep Antarctic ice provides a window into acidic, water-limited weathering on Mars. Nature Communications, 2021, 12, 436.	12.8	32
64	Evidence for Al/Si tetrahedral network in aluminosilicate glasses from AlK-edge x-ray-absorption spectroscopy. Physical Review B, 1999, 60, 9216-9219.	3.2	31
65	Single-reflection regime of x rays that travel into a monocapillary. Applied Optics, 1999, 38, 7494.	2.1	31
66	Detection of hydrogen-induced effects in Ce2Fe14BHx and Ce2Fe17Hx permanent magnets by LIII absorption edge of cerium. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1171-1172.	2.3	30
67	Far-Infrared Absorption ofLa1â^'xCaxMnO3â^'yat High Pressure. Physical Review Letters, 2006, 96, 035503.	7.8	30
68	Highly ordered self-assembled mesostructured membranes: Porous structure and pore surface coverage. Microporous and Mesoporous Materials, 2007, 103, 113-122.	4.4	30
69	X-ray magnetic-circular-dichroism probe of a noncollinear magnetic arrangement below the spin reorientation transition inNd2Fe14B. Physical Review B, 1998, 57, 8424-8429.	3.2	29
70	Nano-inclusions: a novel approach to tune the thermal conductivity of In2O3. Physical Chemistry Chemical Physics, 2013, 15, 17595.	2.8	29
71	An experimental and theoretical study of multi-electron excitations at the L3 absorption edge in some rare earth alloys and their hydrides. Chemical Physics Letters, 1990, 174, 389-395.	2.6	28
72	Experimental and theoretical XANES and EXAFS study of tetra-ferriphlogopite. European Journal of Mineralogy, 2001, 13, 1099-1108.	1.3	28

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73	Waviness effects in ray-tracing of â€œrealâ€•optical surfaces. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 319, 170-177.	1.6	27
74	Theoretical analysis of X-ray absorption near-edge structure in forsterite, Mg2SiO4-Pbnm, and fayalite, Fe2SiO4-Pbnm, at room temperature and extreme conditions. Physics and Chemistry of Minerals, 1996, 23, 193.	0.8	27
75	Effects of higher-coordination shells in garnets detected by x-ray-absorption spectroscopy at the AlKedge. Physical Review B, 1996, 54, 2976-2979.	3.2	27
76	On the possibility of a new multiband heterostructure at the atomic limit made of alternate CuO2and FeAs superconducting layers. Superconductor Science and Technology, 2010, 23, 052003.	3.5	27
77	Evidence of an interlayer charge transfer route in BiCu1â^'xSeO. Journal of Materials Chemistry A, 2013, 1, 12154.	10.3	27
78	Iron Isotope Effect and Local Lattice Dynamics in the (Ba, K)Fe2As2 Superconductor Studied by Temperature-Dependent EXAFS. Scientific Reports, 2013, 3, .	3.3	27
79	An evolutionary approach to the dynamical reconfiguration of photovoltaic fields. Neurocomputing, 2015, 170, 393-405.	5.9	27
80	Kinetics of polycondensation reactions during self-assembly of mesostructured films studied by in situ infrared spectroscopy. Chemical Communications, 2005, , 2384.	4.1	26
81	Rational design of hierarchical FeSe₂ encapsulated with bifunctional carbon cuboids as an advanced anode for sodium-ion batteries. Nanoscale, 2020, 12, 22210-22216.	5.6	26
82	SYMMETRY OF THE HOLE STATES IN BiCaSrCuO HIGH-Tc SUPERCONDUCTORS. Modern Physics Letters B, 1988, 02, 1313-1318.	1.9	24
83	Coherent and incoherent components of a synchrotron radiation spot produced by separate capillaries. Applied Optics, 2000, 39, 3338.	2.1	24
84	SR-FTIR spectroscopic preliminary findings of non-cancerous, cancerous, and hyperplastic human prostate tissues. Vibrational Spectroscopy, 2007, 43, 237-242.	2.2	24
85	Correlation between local structure and molar ratio of Au (III) complexes in aqueous solution: An XAS investigation. Chemical Geology, 2009, 268, 74-80.	3.3	24
86	Lattice site of manganese in LiNbO3 : An EXAFS study. Solid State Communications, 1989, 71, 243-246.	1.9	23
87	XANES study of structural disorder in amorphous silicon. Journal of Non-Crystalline Solids, 1990, 116, 27-32.	3.1	23
88	The local structure of Ca-Na pyroxenes. II. XANES studies at the Mg and Al K edges. Physics and Chemistry of Minerals, 1999, 27, 20-33.	0.8	23
89	The influence of interstitial solutions (H, N) on the cerium electronic state in Ce-Fe intermetallic compounds: an X-ray absorption spectroscopy (XAS) study. Journal of Physics Condensed Matter, 1995, 7, 8197-8210.	1.8	22
90	Modification of the rare-earth magnetic moment upon hydrogen absorption inRâ^'Feintermetallics probed by FeK-edge x-ray magnetic circular dichroism. Physical Review B, 1998, 57, 13386-13389.	3.2	22

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91	Ru K-edge absorption study on the La1-xCexRu2system. Journal of Physics Condensed Matter, 2000, 12, 6971-6978.	1.8	22
92	Correlative Analysis of the Crystallization of Solâ"Gel Dense and Mesoporous Anatase Titania Films. Journal of Physical Chemistry C, 2010, 114, 22385-22391.	3.1	22
93	Enhanced Photocatalytic Activity in Low-Temperature Processed Titania Mesoporous Films. Journal of Physical Chemistry C, 2014, 118, 12000-12009.	3.1	22
94	X-ray absorption spectroscopy characterization of iron-oxide nanoparticles synthesized by high temperature plasma processing. Journal of Electron Spectroscopy and Related Phenomena, 2014, 196, 125-129.	1.7	22
95	Phonon and vibrational spectra of hydrogenated CdTe. Journal of Applied Physics, 2006, 100, 013521.	2.5	21
96	RE L₃x-ray absorption study of REO_{1â"x}F_xFeAs (RE =) Tj ETQq0 0 0 rgBT /Overlock	1.8	21
97	Interplay among work function, electronic structure and stoichiometry in nanostructured VOx films. Physical Chemistry Chemical Physics, 2020, 22, 6282-6290.	2.8	21
98	Terahertz Spectroscopic Analysis in Protein Dynamics: Current Status. Radiation, 2022, 2, 100-123.	1.4	21
99	Local structural disorder in REFeAsO oxypnictides by RE L₃edge XANES. Journal of Physics Condensed Matter, 2010, 22, 125701.	1.8	20
100	Structural Evolution of MoO3 Thin Films Deposited on Copper Substrates upon Annealing: An X-ray Absorption Spectroscopy Study. Condensed Matter, 2019, 4, 41.	1.8	20
101	Effects of temperature and pressure on the optical and vibrational properties of thermoelectric SnSe. Physical Chemistry Chemical Physics, 2019, 21, 8663-8678.	2.8	20
102	Effect of hydrogen absorption on the cerium electronic state inCeFe11Ti: An x-ray-absorption and circular-magnetic-dichroism investigation. Physical Review B, 1995, 51, 9005-9014.	3.2	19
103	The effect of hydrogen absorption on the structural, electronic and magnetic properties of the C15 Friauf-Laves phase compounds CeFe2, CeRu2 and LaRu2: An X-ray absorption spectroscopy study. Journal of Magnetism and Magnetic Materials, 1997, 166, 149-164.	2.3	19
104	Local and average Fe distribution in trioctahedral micas: Analysis of Fe K-edge XANES spectra in the phlogopite-annite and phlogopite-tetra-ferriphlogopite joins on the basis of single-crystal XRD refinements. European Journal of Mineralogy, 2002, 14, 1075-1085.	1.3	19
105	A crystal-chemical investigation of Cr substitution in muscovite by XANES spectroscopy. Physics and Chemistry of Minerals, 2003, 30, 54-58.	0.8	19
106	Wave propagation of induced radiation in microcapillary holes of a glass microchannel plate. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2182.	2.1	19
107	Lattice Dynamics and Thermal Conductivity in Cu2Zn1â€"xCoxSnSe4. Inorganic Chemistry, 2018, 57, 6051-6056.	4.0	19
108	The Contribution of Synchrotron Light for the Characterization of Atmospheric Mineral Dust in Deep Ice Cores: Preliminary Results from the Talos Dome Ice Core (East Antarctica). Condensed Matter, 2018, 3, 25.	1.8	19

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109	Efficiency of COVID-19 mobile contact tracing containment by measuring time-dependent doubling time. Physical Biology, 2020, 17, 065006.	1.8	19
110	EXAFS and XANES joint analyses for semiconducting vanadium phosphate glasses. Journal of Non-Crystalline Solids, 1986, 80, 175-180.	3.1	18
111	Palladium L3 absorption edge of PdH0.6 films: Evidence for hydrogen induced unoccupied states. Solid State Communications, 1989, 71, 383-390.	1.9	18
112	Water Evaporation Studied by In Situ Time-Resolved Infrared Spectroscopy. Journal of Physical Chemistry A, 2009, 113, 2745-2749.	2.5	18
113	IR and X-ray time-resolved simultaneous experiments:Âan opportunity to investigate the dynamics of complex systems and non-equilibrium phenomena using third-generation synchrotron radiation sources. Journal of Synchrotron Radiation, 2012, 19, 892-904.	2.4	18
114	Nanoscale Phase Separation and Lattice Complexity in VO2: The Metalâ€“Insulator Transition Investigated by XANES via Auger Electron Yield at the Vanadium L23-Edge and Resonant Photoemission. Condensed Matter, 2017, 2, 38.	1.8	18
115	Insights into the Ti4+ doping in P2-type Na0.67Ni0.33Mn0.52Ti0.15O2 for enhanced performance of sodium-ion batteries. Journal of Materials Science and Technology, 2021, 74, 230-236.	10.7	18
116	The local structure of Ca-Na pyroxenes. I. XANES study at the Na K-edge. Physics and Chemistry of Minerals, 1997, 24, 500-509.	0.8	17
117	First combined total reflection X-ray fluorescence and grazing incidence X-ray absorption spectroscopy characterization of aeolian dust archived in Antarctica and Alpine deep ice cores. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 1503-1510.	2.9	17
118	Stain Effects Studied by Time-Resolved Infrared Imaging. Analytical Chemistry, 2009, 81, 551-556.	6.5	17
119	Excitation and propagation of X-ray fluorescence through thin devices with hollowed ordered structures:Âcomparison of experimental and theoreticalÂspectra. Journal of Synchrotron Radiation, 2016, 23, 274-280.	2.4	17
120	Xanes analysis on pyroxenes with different ca concentration in M2 site. Physics and Chemistry of Minerals, 1987, 14, 21-25.	0.8	16
121	The Î¦â€factory DAÎ¦NE as a source of infrared radiation: An estimate of source size and brilliance. Review of Scientific Instruments, 1995, 66, 1934-1936.	1.3	16
122	CRYSTAL-CHEMICAL STUDY BY XANES OF TRIOCTAHEDRAL MICAS: THE MOST CHARACTERISTIC LAYER SILICATES. International Journal of Modern Physics B, 2002, 16, 1673-1679.	2.0	16
123	X-Ray Absorption Spectroscopy of the Micas. Reviews in Mineralogy and Geochemistry, 2002, 46, 371-411.	4.8	16
124	Optical, infrared and electron-microscopy studies of metallic clusters in layered crystals. Radiation Measurements, 2007, 42, 851-854.	1.4	16
125	Temperature Dependence Discontinuity of the Phonon Mode Frequencies Caused by a Zero-Gap State in HgCdTe Alloys. Physical Review Letters, 2009, 102, 045504.	7.8	16
126	X-ray spectroscopy of fluorescence radiation channeling in Î¼-capillary holed glass plates. Nuclear Instruments & Methods in Physics Research B, 2013, 309, 240-243.	1.4	16

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127	Deprotonation of Fe-dominant amphiboles: Single-crystal HT-FTIR spectroscopic studies of synthetic potassic-ferro-richterite. American Mineralogist, 2017, 102, 117-125.	1.9	16
128	Time Resolved IR and X-Ray Simultaneous Spectroscopy: New Opportunities for the Analysis of Fast Chemical-Physical Phenomena in Materials Science. Acta Physica Polonica A, 2009, 115, 489-500.	0.5	16
129	Characterization of volatile organic compounds (VOCs) in their liquid-phase by terahertz time-domain spectroscopy. Biomedical Optics Express, 2020, 11, 1.	2.9	16
130	In-situ study of solâ€“gel processing by time-resolved infrared spectroscopy. Journal of Sol-Gel Science and Technology, 2008, 48, 253-259.	2.4	15
131	Far-infrared reflectivity as a probe of point defects in Zn- and Cd-doped HgTe. Applied Physics Letters, 2008, 92, 121904.	3.3	15
132	Arsenic K-edge XANES study of REFeAsO oxypnictides. Europhysics Letters, 2010, 90, 57001.	2.0	15
133	Functional histology of glioma vasculature by FTIR imaging. Analytical and Bioanalytical Chemistry, 2011, 401, 795-801.	3.7	15
134	Quantitative local structure determination in mica crystals:ab initiosimulations of polarization XANES at the potassiumK-edge. Journal of Synchrotron Radiation, 2011, 18, 418-426.	2.4	15
135	XRF-XANES characterization of deep ice core insoluble dust. Journal of Analytical Atomic Spectrometry, 2012, 27, 33-37.	3.0	15
136	Metastability Phenomena in VO2 Thin Films. Condensed Matter, 2017, 2, 10.	1.8	15
137	The complexity of thermoelectric materials: why we need powerful and brilliant synchrotron radiation sources?. Materials Today Physics, 2018, 6, 68-82.	6.0	15
138	MoO3 films grown on polycrystalline Cu: Morphological, structural, and electronic properties. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	15
139	On the Amplitudes of EXAFS Spectra at the L Edges. Japanese Journal of Applied Physics, 1993, 32, 107.	1.5	15
140	Cu L3 x-ray absorption of formally trivalent Cu compounds. Physica C: Superconductivity and Its Applications, 1988, 153-155, 117-118.	1.2	14
141	Analysis of phonon spectra of the Zn Cd1â˜’ Te solid-solution. Journal of Alloys and Compounds, 2004, 371, 172-176.	5.5	14
142	Vibrational spectra of hydrogenated CdTe. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 1147-1154.	0.8	14
143	The octahedral sheet of metamorphic 2M1-phengites: A combined EMPA and AXANES study. American Mineralogist, 2008, 93, 414-425.	1.9	14
144	The a.c. susceptibility third harmonic component of NdO1â˜’0.14F0.14FeAs: A flux dynamic magnetic analysis. Journal of Physics and Chemistry of Solids, 2010, 71, 1046-1052.	4.0	14

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145	Spectroscopic study and electronic structure of prototypical iron porphyrins and their Î¼-oxo-dimer derivatives with different functional configurations. RSC Advances, 2014, 4, 46399-46406.	3.6	14
146	Regionalization of the Atmospheric Dust Cycle on the Periphery of the East Antarctic Ice Sheet Since the Last Glacial Maximum. Geochemistry, Geophysics, Geosystems, 2018, 19, 3540-3554.	2.5	14
147	PROBING HIGHER ORDER CORRELATION FUNCTIONS IN LIQUIDS BY XANES (X-RAY ABSORPTION NEAR EDGE) Tj ETQq1 1 0.784314 rgB	0.2	14
148	Weight of 3d9 ligand hole configuration as function of oxygen content in YBa2Cu3O6.5+x by joint L3 XAS and XPS. Physica C: Superconductivity and Its Applications, 1988, 153-155, 115-116.	1.2	13
149	Angular dependence of potassium K-edge XANES spectra of trioctahedral micas: Significance for the determination of the local structure and electronic behavior of the interlayer site. American Mineralogist, 2006, 91, 1150-1162.	1.9	13
150	Polarized XANES spectroscopy: The K edge of layered K-rich silicates. Radiation Physics and Chemistry, 2006, 75, 1596-1607.	2.8	13
151	X-ray radiation channeling in micro-channel plates: Spectroscopy with a synchrotron radiation beam. Nuclear Instruments & Methods in Physics Research B, 2015, 355, 293-296.	1.4	13
152	Iron oxidation dynamics vs. temperature of synthetic potassic-ferro-richterite: a XANES investigation. Physical Chemistry Chemical Physics, 2018, 20, 21764-21771.	2.8	13
153	Ostwald Growth Rate in Controlled Covid-19 Epidemic Spreading as in Arrested Growth in Quantum Complex Matter. Condensed Matter, 2020, 5, 23.	1.8	13
154	EXAFS and XANES investigation of the structural and electronic changes induced by hydrogen absorption in CeRu2 and CeFe2. Physica B: Condensed Matter, 1989, 158, 521-522.	2.7	12
155	Valence Change and Structural Local Disorder Induced by Hydrogen Absorption in CeRu2 and CeFe2 Studied by EXAFS and XANES Spectroscopy*. Zeitschrift Fur Physikalische Chemie, 1989, 163, 277-282.	2.8	12
156	Al coordination and local structure in minerals: XAFS determinations and multiple-scattering calculations for K-feldspars. Europhysics Letters, 1997, 38, 465-470.	2.0	12
157	IKNO, a user facility for coherent terahertz and UV synchrotron radiation. Journal of Synchrotron Radiation, 2008, 15, 655-659.	2.4	12
158	Optical detection of symmetric and antisymmetric states in double quantum wells at room temperature. Physical Review B, 2009, 80, .	3.2	12
159	Application of Terahertz Spectroscopy to Time-Dependent Chemical-Physical Phenomena. Journal of Physical Chemistry A, 2009, 113, 9418-9423.	2.5	12
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