Juris Purans

List of Publications by Year
in descending order

180	3,531	117625	182427
papers	citations	34 h-index	51 g-index

184	184	184	4038
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sensitivity of Extended X-Ray-Absorption Fine Structure to Thermal Expansion. Physical Review Letters, 1999, 82, 4240-4243.	7.8	155
2	Jahn-Teller distortion around<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi mathvariant="normal">Fe</mml:mi><mml:mrow><mml:mn>4</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mat xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi		

#	Article	IF	Citations
19	XAS, XRD, AFM and Raman studies of nickel tungstate electrochromic thin films. Electrochimica Acta, 2001, 46, 2233-2236.	5.2	55
20	X-ray absorption spectroscopy and molecular dynamics studies of hydration in aqueous solutions. Journal of Physics Condensed Matter, 1997, 9, 10065-10078.	1.8	53
21	Development of methods of EXAFS spectroscopy on synchrotron radiation beams: Review. Crystallography Reports, 2006, 51, 908-935.	0.6	49
22	Spectroscopic study of the electric field induced valence change of Fe-defect centers in SrTiO3. Physical Chemistry Chemical Physics, 2011, 13, 20779.	2.8	48
23	Comparative Ab Initio Calculations of ReO3, SrZrO3, BaZrO3, PbZrO3 and CaZrO3 (001) Surfaces. Crystals, 2020, 10, 745.	2.2	46
24	Probing the oxygen vacancy distribution in resistive switching Fe-SrTiO3 metal-insulator-metal-structures by micro-x ray absorption near-edge structure. Journal of Applied Physics, 2012, 111, .	2.5	44
25	Comparative Hybrid Hartree-Fock-DFT Calculations of WO2-Terminated Cubic WO3 as Well as SrTiO3, BaTiO3, PbTiO3 and CaTiO3 (001) Surfaces. Crystals, 2021, 11, 455.	2.2	44
26	XANES studies of MeO3-x (Me = W, Re, Ir) crystalline and amorphous oxides. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 308, 240-242.	1.6	43
27	EXAFS of the superconducting oxide BaPb1â^'xBixO3. Solid State Communications, 1984, 49, 887-890.	1.9	42
28	Vacancy Defects in Ga2O3: First-Principles Calculations of Electronic Structure. Materials, 2021, 14, 7384.	2.9	40
29	X-ray absorption spectroscopy study of NicMg1-cO solid solutions on the Ni K edge. Journal of Physics Condensed Matter, 1995, 7, 9357-9368.	1.8	39
30	Li intercalation in transparent Tiâ€“Ce oxide films: Energetics and ion dynamics. Journal of Applied Physics, 1997, 81, 6432-6437.	2.5	39
31	X-ray studies on optical and structural properties of ZnO nanostructured thin films. Superlattices and Microstructures, 2006, 39, 267-274.	3.1	39
32	Isotopic Effect In Extended X-Ray-Absorption Fine Structure of Germanium. Physical Review Letters, 2008, 100, 055901.	7.8	38
33	EXAFS studies of MeO3â^'x (Me = W, Mo, Re, Ir) crystalline and amorphous oxides. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 308, 234-239.	1.6	37
34	X-ray absorption spectroscopy study of the Ni K edge in magnetron-sputtered nickel oxide thin films. Journal of Physics Condensed Matter, 1997, 9, 6979-6993.	1.8	34
35	The influence of the focusing effect on the X-ray absorption fine structure above all the tungsten L edges in non-stoichiometric tungsten oxides. Journal of Physics Condensed Matter, 1993, 5, 9423-9430.	1.8	33
36	X-ray absorption spectroscopy study of local structural changes in a-WO3under colouration. Journal of Physics Condensed Matter, 1993, 5, 2333-2340.	1.8	33

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37	Confocal spectromicroscopy of amorphous and nanocrystalline tungsten oxide films. Journal of Non-Crystalline Solids, 2007, 353, 1840-1843.	3.1	31
38	Solution X-ray Absorption Fine Structure Study of the Eu2+and Sr2+Ions:Â Unexpected Solvent and Metal Ion Dependencies of the Solvation Numbers. Journal of Physical Chemistry A, 2002, 106, 9612-9622.	2.5	30
39	Tendencies in ABO3 Perovskite and SrF2, BaF2 and CaF2 Bulk and Surface F-Center Ab Initio Computations at High Symmetry Cubic Structure. Symmetry, 2021, 13, 1920.	2.2	30
40	Characterization of rhenium oxide films and their application to liquid crystal cells. Journal of Applied Physics, 2009, 105, .	2.5	29
41	Theoretical modeling of the complexes of iron impurities and oxygen vacancies in SrTiO3. Applied Physics Letters, 2013, 102, .	3.3	29
42	A new fast spherical approximation for calculation of multiple-scattering contributions in X-ray absorption fine structure and its application to ReO3, NaWO3and MoO3. Journal of Physics Condensed Matter, 1993, 5, 267-282.	1.8	26
43	Local structure and vibrational dynamics in NiWO4. Ferroelectrics, 2001, 258, 21-30.	0.6	26
44	The influence of pd mixing and magnetic interactions on the pre-edge peak intensity at the Co (Ni) K absorption edge in solid solutions. Journal of Physics Condensed Matter, 1997, 9, 5277-5286.	1.8	24
45	Sputtering deposition and characterization of Ru-doped WO3 thin films for electrochromic applications. Ionics, 2003, 9, 95-102.	2.4	24
46	XAFS study of interchain and intrachain order inSe1â^'xTexglasses: Nearest neighbors. Physical Review B, 1998, 58, 6104-6114.	3.2	23
47	X-ray excited optical luminescence detection by scanning near-field optical microscope: A new tool for nanoscience. Review of Scientific Instruments, 2008, 79, 013702.	1.3	23
48	Ab initio calculations of CaZrO3 (011) surfaces: systematic trends in polar (011) surface calculations of ABO3 perovskites. Journal of Materials Science, 2020, 55, 203-217.	3.7	23
49	Ab Initio Computations of O and AO as well as ReO2, WO2 and BO2-Terminated ReO3, WO3, BaTiO3, SrTiO3 and BaZrO3 (001) Surfaces. Symmetry, 2022, 14, 1050.	2.2	23
50	Local behaviour of negative thermal expansion materials. Nuclear Instruments & Methods in Physics Research B, 2006, 246, 180-183.	1.4	22
51	Study of the electronic structure of rhenium and tungsten oxides on the O K-edge. Physica B: Condensed Matter, 1999, 259-261, 1157-1158.	2.7	21
52	Disorder-induced Raman scattering in rhenium trioxide (ReO3). Journal of Physics Condensed Matter, 2007, 19, 226206.	1.8	21
53	FIRST-PRINCIPLES LCAO CALCULATIONS ON 5D TRANSITION METAL OXIDES: ELECTRONIC AND PHONON PROPERTIES. Integrated Ferroelectrics, 2009, 108, 1-10.	0.7	21
54	A high-temperature x-ray absorption spectroscopy study of. Journal of Physics Condensed Matter, 1996, 8, 9083-9102.	1.8	20

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55	Local structure anomalies of the BaBi(Pb)O3 system at low temperatures: an X-ray absorption study. Physica C: Superconductivity and Its Applications, 1997, 277, 257-264.	1.2	19
56	X-ray absorption study of Ce?Ti oxide films. Electrochimica Acta, 2001, 46, 2055-2058.	5.2	19
57	Interpretation of EXAFS in ReO₃using molecular dynamics simulations. Journal of Physics: Conference Series, 2009, 190, 012080.	0.4	18
58	Short- and long-range order in La1â^'xSrxCoO3 and La1â^'xBaxCoO3. Journal of Physics and Chemistry of Solids, 2008, 69, 2187-2190.	4.0	17
59	Interpretation of unexpected behavior of infrared absorption spectra of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>ScF</mml:mi><mml:mn>3</mml:mn></mml:msub></m the quasiharmonic approximation. Physical Review B, 2016, 93, .	3.2	17
60	Changes in the Local Structure of Nanocrystalline Electrochromic Films of Hydrated Nickel Vanadium Oxide upon OzoneInduced Coloration. Physica Scripta, 2005, , 464.	2.5	17
61	Analysis of Mn2+ EPR spectra in polycrystals using Bir's method to account for the transition probability. Physica Status Solidi A, 1978, 49, K43-K47.	1.7	16
62	X-ray absorption spectroscopy study of ReO3lattice dynamics. Journal of Physics Condensed Matter, 1995, 7, 1199-1213.	1.8	16
63	First principles hybrid Hartree-Fock-DFT calculations of bulk and (001) surface F centers in oxide perovskites and alkaline-earth fluorides. Low Temperature Physics, 2020, 46, 1206-1212.	0.6	16
64	X-ray-absorption spectroscopy of aNd3+-exchanged Î²â€™â€™-alumina crystal. Physical Review B, 1994, 50, 6662-6672.	3.2	15
65	<title>X-ray absorption spectroscopy study of the local environment around tungsten and molybdenum ions in tungsten-phosphate and molybdenum-phosphate glasses</title>. , 1997, , .		15
66	Combining scanning probe microscopy and x-ray spectroscopy. Nanoscale Research Letters, 2011, 6, 308.	5.7	15
67	Hydrogen induced metallization of ZnO (11Ì…00) surface: Ab initio study. Thin Solid Films, 2014, 553, 38-42.	1.8	15
68	Ab initio molecular dynamics simulations of negative thermal expansion in ScF3: The effect of the supercell size. Computational Materials Science, 2020, 171, 109198.	3.0	15
69	Computer simulation of Mn2+ EPR spectra in glasses with gef = 4.29. Physica Status Solidi A, 1979, 56, K25-K28.	1.7	14
70	Simulation of EPR spectra of Mn2+ in glasses. Journal of Magnetic Resonance, 1980, 40, 33-45.	0.5	14
71	XAFS Study of Gadolinium and Samarium Bisporphyrinate Complexes. Inorganic Chemistry, 2001, 40, 6088-6096.	4.0	14
72	Temperature-dependent EXAFS study of the local structure and lattice dynamics in cubic Y₂O₃. Journal of Synchrotron Radiation, 2016, 23, 510-518.	2.4	14

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73	The role of yttrium and titanium during the development of ODS ferritic steels obtained through the STARS route: TEM and XAS study. Journal of Nuclear Materials, 2018, 504, 8-22.	2.7	14
74	ODS ferritic steels obtained from gas atomized powders through the STARS processing route: Reactive synthesis as an alternative to mechanical alloying. Nuclear Materials and Energy, 2018, 17, 1-8.	1.3	14
75	Tribovoltaic Device Based on the W/WO₃ Schottky Junction Operating through Hot Carrier Extraction. Journal of Physical Chemistry C, 2021, 125, 14212-14220.	3.1	14
76	XAFS Studies of Octahedral Amorphous Oxides. Japanese Journal of Applied Physics, 1993, 32, 655.	1.5	13
77	Investigation of precipitate in an austenitic ODS steel containing a carbon-rich process control agent. Nuclear Materials and Energy, 2018, 15, 237-243.	1.3	13
78	Influence of the focusing effect on XAFS in ReO3, WO3â^'x and FeF3. Physica B: Condensed Matter, 1995, 208-209, 45-46.	2.7	12
79	Femtometer accuracy EXAFS measurements: Isotopic effect in the first, second and third coordination shells of germanium. Journal of Physics: Conference Series, 2009, 190, 012063.	0.4	12
80	Hydrogen adsorption on the ZnO $(1ar{1}00)$ surface: ab initio hybrid density functional linear combination of atomic orbitals calculations. Physica Scripta, 2014, 89, 045801.	2.5	12
81	X-ray absorption spectroscopy study of local dynamics and thermal expansion in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">ReO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2015, 92, .	3.2	12
82	High power impulse magnetron sputtering of Zn/Al target in an Ar and Ar/O2 atmosphere: The study of sputtering process and AZO films. Surface and Coatings Technology, 2019, 369, 156-164.	4.8	12
83	Local electronic structure rearrangements and strong anharmonicity in YH3 under pressures up to 180â€‰GPa. Nature Communications, 2021, 12, 1765.	12.8	12
84	Ab-Initio Calculations of Oxygen Vacancy in Ga₂O₃ Crystals. Latvian Journal of Physics and Technical Sciences, 2021, 58, 3-10.	0.6	12
85	Study of the electronic structure of rhenium and tungsten oxides on the O K-edge. Ionics, 1998, 4, 101-105.	2.4	11
86	EXAFS Study of PressureInduced Phase Transition in SrWO4. Physica Scripta, 2005, , 556.	2.5	11
87	Systematic trends in YAlO₃, SrTiO₃, BaTiO₃, BaZrO₃ (001) and (111) surface ab initio calculations. International Journal of Modern Physics B, 2019, 33, 1950390.	2.0	11
88	New approach to the EPR of d1ions in glasses. Journal of Physics C: Solid State Physics, 1980, 13, L437-L441.	1.5	10
89	Anharmonicity and thermal expansion in crystalline germanium. Journal of Synchrotron Radiation, 1999, 6, 253-254.	2.4	10
90	Changes in structure and conduction type upon addition of Ir to ZnO thin films. Thin Solid Films, 2017, 636, 694-701.	1.8	10

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91	Highâ€Quality Siâ€Doped Î²â€Ga₂O₃ Films on Sapphire Fabricated by Pulsed Laser Deposition. Physica Status Solidi (B): Basic Research, 2021, 258, 2000362.	1.5	10
92	Fine structure parameter distributions for Mn2+ in glasses. Physica Status Solidi A, 1979, 55, K59-K62.	1.7	9
93	EXAFS and XANES Studies of CoxMg1âˆ’xO Solid Solutions Using a Laboratory EXAFS Spectrometer. Physica Status Solidi A, 1993, 135, 133-141.	1.7	9
94	XAFS analysis of the low symmetry octahedral molybdenum and tungsten oxides. Physica B: Condensed Matter, 1995, 208-209, 307-308.	2.7	9
95	Oxygen K-edge x-ray absorption near-edge structure in crystalline and amorphous molybdenum trioxides. Journal of Physics Condensed Matter, 2004, 16, 6619-6625.	1.8	9
96	Nanoscale x-ray absorption spectroscopy using XEOL-SNOM detection mode. Journal of Physics: Conference Series, 2007, 93, 012038.	0.4	9
97	Molecular dynamics simulations of EXAFS in germanium. Open Physics, 2011, 9, .	1.7	9
98	Electronic structure of cubic ScF3 from first-principles calculations. Low Temperature Physics, 2016, 42, 556-560.	0.6	9
99	EPR of copper atoms in Î±-quartz. Physica Status Solidi A, 1975, 31, K165-K167.	1.7	8
100	RPE de Mn2+ dans les polycristaux de basse symÃ©trie Le mÃ©taphosphate de magnÃ©sium. Physica Status Solidi A, 1979, 54, 61-66.	1.7	8
101	EXAFS and XANES studies of local order in oxide glasses: Manganese impurity defects and vanadium low symmetry complexes. Journal of Non-Crystalline Solids, 1987, 94, 336-344.	3.1	8
102	Color centres and polymorphism in pure WO3 and mixed (1âˆ’x)WO3âˆ’yÂ·xReO2 powders. Ionics, 1999, 5, 335-344.	2.4	8
103	Structural XAFS Investigation of Eu2+and Sr2+Poly(amino carboxylates):Â Consequences for Water Exchange Rates on MRI-Relevant Complexes. Journal of Physical Chemistry A, 2003, 107, 758-769.	2.5	8
104	Analysis of the U L 3 -edge X-ray absorption spectra in UO 2 using molecular dynamics simulations. Progress in Nuclear Energy, 2017, 94, 187-193.	2.9	8
105	<title>In-situ x-ray absorption fine structure and x-ray diffraction studies of hydrogen intercalation in tungsten oxides</title>. , 1997, , .		7
106	EXAFS studies of lattice dynamics and thermal expansion. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3085-3088.	0.8	7
107	XAFS Study of Local Structure with Picometer Accuracy Th1xUxO2 and Th1xPuxO2 Solid Solutions. Physica Scripta, 2005, , 925.	2.5	7
108	EXAFS and XRD Studies with Subpicometer Accuracy: The Case of ReO3. AIP Conference Proceedings, 2007, , .	0.4	7

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109	Proton Presence and Motion in Rhenium-Oxide Films and Their Application to Liquid-Crystalline Cells. Molecular Crystals and Liquid Crystals, 2007, 474, 1-15.	0.9	7
110	A new tool for nanoscale X-ray absorption spectroscopy and element-specific SNOM microscopy. Micron, 2009, 40, 61-65.	2.2	7
111	EPR Study of Gd³⁺local structure in ScF₃crystal with negative thermal expansion coefficient. Physica Scripta, 2015, 90, 115801.	2.5	7
112	The local atomic structure and thermoelectric properties of Ir-doped ZnO: hybrid DFT calculations and XAS experiments. Journal of Materials Chemistry C, 2021, 9, 4948-4960.	5.5	7
113	Optical properties of oxygen-containing yttrium hydride thin films during and after the deposition. Vacuum, 2022, 203, 111218.	3.5	7
114	Double-Electron Excitations inL-edges X-ray-Absorption Spectra of W, Ir and Cs Oxide Compounds. Japanese Journal of Applied Physics, 1993, 32, 64.	1.5	6
115	The double-well oscillating potential of oxygen atoms in perovskite system Ba(K)BiO3: EXAFS â€“ analysis results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 448, 340-344.	1.6	6
116	EXAFS study of mixed nickel molybdenum oxide thin films at the Ni and Mo K-edges. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 531, 321-326.	1.6	6
117	Influence of hydrogen intercalation on the local structure around Re ions in perovskite-type ReO3. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 149-152.	0.8	6
118	Gadolinium Acetylacetonate Tetraphenyl Monoporphyrinate Complex and Some of Its Derivatives:â€‰ EXAFS Study and Molecular Dynamics Simulation. Inorganic Chemistry, 2007, 46, 6871-6879.	4.0	6
119	Structural, electrical and optical properties of zinc-iridium oxide thin films deposited by DC reactive magnetron sputtering. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1493-1496.	0.8	6
120	Local structure of A-atom in ABO3 perovskites studies by RMC-EXAFS. Radiation Physics and Chemistry, 2020, 175, 108072.	2.8	6
121	A comprehensive study of structure and properties of nanocrystalline zinc peroxide. Journal of Physics and Chemistry of Solids, 2022, 160, 110318.	4.0	6
122	Theoretical and Experimental Studies of Charge Ordering in CaFeO₃ and SrFeO₃ Crystals. Physica Status Solidi (B): Basic Research, 2022, 259, 2100238.	1.5	6
123	Studies of tungsten oxide electrochromic thin films and polycrystals by the EXAFS method. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 261, 175-177.	1.6	5
124	XAFS study of short range order in the heavily disordered MoxW1â^'xO3 oxides. Physica B: Condensed Matter, 1995, 208-209, 373-374.	2.7	5
125	X-ray absorption spectroscopy studies of the off-center Ni2+ions in Ni c Mg 1-c O solid solutions. , 1996, 2706, 168.		5
126	Near-infrared luminescence of isolated and exchange-coupled Ni2+ ions in NicMg1â^'cO solid solutions. Journal of Luminescence, 1997, 72-74, 231-232.	3.1	5

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127	Full multiple scattering analysis of X-ray absorption near edge structure at the Eu L3-edge in EuO. Journal of Alloys and Compounds, 2004, 374, 89-92.	5.5	5
128	Ab initio calculations of the NiK-edge XANES in NicMg1-cO solid solutions. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 665-668.	0.8	5
129	Structural, electrical and optical characteristics of Al-doped zinc oxide thin films deposited by reactive magnetron sputtering. IOP Conference Series: Materials Science and Engineering, 2013, 49, 012057.	0.6	5
130	ODS steel raw material local structure analysis using X-ray absorption spectroscopy. IOP Conference Series: Materials Science and Engineering, 2015, 77, 012029.	0.6	5
131	Nouveaux centres paramagnÃ©tiques dans les halogÃ©nures alcalins mixtes: Agc0(Br1) dans KCl:KBr. Physica Status Solidi (B): Basic Research, 1978, 89, 531-535.	1.5	4
132	Structural state of the cobalt ion in sodium borate and sodium borosilicate glasses. Journal of Applied Spectroscopy, 1991, 55, 824-827.	0.7	4
133	In situ XAFS study of phase transitions and hydrogen intercalation in WO3-MoO3 system. Physica B: Condensed Matter, 1995, 208-209, 707-708.	2.7	4
134	X-ray-absorption spectroscopy ofNd3+-exchanged Î²-alumina crystal. Physical Review B, 1996, 53, 11444-11450.	3.2	4
135	X-Ray Absorption Study of the Short Range Order of Tungsten and Molybdenum Ions in BaO-P2O5-WO3and CaO-P2O5-MoO3Glasses. European Physical Journal Special Topics, 1997, 7, C2-971-C2-973.	0.2	4
136	The effect of Zn vacancies and Ga dopants on the electronic structure of ZnO:Ab initiosimulations. IOP Conference Series: Materials Science and Engineering, 2012, 38, 012015.	0.6	4
137	An efficient implementation of the reverse Monte Carlo method for EXAFS analysis in crystalline materials. Journal of Physics: Conference Series, 2013, 430, 012012.	0.4	4
138	Local structure studies of SrTi¹⁶O₃and SrTi¹⁸O₃. Physica Scripta, 2014, 89, 044002.	2.5	4
139	Raman, electron microscopy and electrical transport studies of x-ray amorphous Zn-Ir-O thin films deposited by reactive DC magnetron sputtering. IOP Conference Series: Materials Science and Engineering, 2015, 77, 012035.	0.6	4
140	Ab initio molecular dynamics simulations of the Sc K-edge EXAFS of scandium trifluoride. Journal of Physics: Conference Series, 2016, 712, 012009.	0.4	4
141	The structure of nickel and indium oxide thin films from EXAFS data. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 261, 173-174.	1.6	3
142	Structural characterization of mixed Taâ€“Re oxide films. Solid State Ionics, 2006, 177, 1887-1891.	2.7	3
143	XAFS and neutron diffraction study of La1â^'xSrxCo1â^'yNbyO3. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 575, 176-179.	1.6	3
144	Local Structure Studies of Ti for SrTi¹⁶O₃and SrTi¹⁸O₃by Advanced X-ray Absorption Spectroscopy Data Analysis. Ferroelectrics, 2015, 485, 42-52.	0.6	3

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145	Disappearance of correlations in the atom motion upon hydrogen intercalation into ReO₃lattice. Journal of Physics: Conference Series, 2016, 712, 012003.	0.4	3
146	Local dynamics and phase transition in quantum paraelectric SrTiO₃studied by TiK-edge x-ray absorption spectroscopy. Journal of Physics: Conference Series, 2016, 712, 012101.	0.4	3
147	Local structure of perovskites ReO₃and ScF₃with negative thermal expansion: interpretation beyond the quasiharmonic approximation. Journal of Physics: Conference Series, 2016, 712, 012013.	0.4	3
148	Understanding the Conversion Process of Magnetron-Deposited Thin Films of Amorphous ReO_x to Crystalline ReO₃ upon Thermal Annealing. Crystal Growth and Design, 2020, 20, 6147-6156.	3.0	3
149	Low-temperature luminescence of ScF3 single crystals under excitation by VUV synchrotron radiation. Low Temperature Physics, 2020, 46, 1196-1200.	0.6	3
150	Comparative Hybrid Hartree-Fock-DFT Calculations of ReO₃, SrTiO₃, BaTiO₃, PbTiO₃ and CaTiO₃ (001) Surfaces. Integrated Ferroelectrics, 2021, 220, 9-17.	0.7	3
151	Unraveling the Structure and Properties of Layered and Mixed ReO₃â€“WO₃ Thin Films Deposited by Reactive DC Magnetron Sputtering. ACS Omega, 2022, 7, 1827-1837.	3.5	3
152	<title>Local structure of Ta-Re mixed oxide thin films studied by x-ray absorption spectroscopy</title>. , 2003, 5122, 79.		2
153	X-ray absorption spectra of cesium ions in sodium borosilicate and alumophosphate glasses. Journal of Applied Spectroscopy, 1993, 58, 418-422.	0.7	1
154	EXAFS study of Nd3+ -exchanged Î²â€³ -alumina crystal. Solid State Ionics, 1994, 70-71, 465-470.	2.7	1
155	XAFS studies of local atomic structure of niobium tellurides. Journal of Alloys and Compounds, 1997, 262-263, 81-86.	5.5	1
156	Debye-Waller Factor Low Temperature Anomalies in BaPb_{1-x}Bi_xO₃. European Physical Journal Special Topics, 1997, 7, C2-1073-C2-1075.	0.2	1
157	Low and High-Temperature In Situ X-Ray Absorption Study of the Local Order in Orthorhombic Î±-MoO3Upon Hydrogen Reduction. European Physical Journal Special Topics, 1997, 7, C2-891-C2-892.	0.2	1
158	<title>Iridium L<formula><inf><roman>3</roman></inf></formula>-edge and oxygen K-edge x-ray absorption spectroscopy of nanocrystalline iridium oxide thin films</title>. , 2003, 5123, 210.		1
159	<title>Scanning probe microscopy of nanocrystalline iridium oxide thin films</title>. , 2003, , .		1
160	<title>Quantum chemistry studies of the O K-edge x-ray absorption in WO<formula><inf><roman>3</roman></inf></formula> and AWO<formula><inf><roman>3</roman></inf></formula></title>. Proceedings of SPIE, 2008, , .	0.8	1
161	Interpretation of the U L₃-edge EXAFS in uranium dioxide using molecular dynamics and density functional theory simulations. Journal of Physics: Conference Series, 2016, 712, 012091.	0.4	1
162	Enhanced Reflectivity Change and Phase Shift of Polarized Light: Double Parameter Multilayer Sensor. Physica Status Solidi (A) Applications and Materials Science, 0, , 2100424.	1.8	1

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163	Studies of CoxMg1-xO Solid Solutions Using Laboratory EXAFS-Spectrometer. Japanese Journal of Applied Physics, 1993, 32, 637.	1.5	1
164	Amorphous pâ€Type Conducting Znâ€“ x Ir Oxide (x â€‰›â€‰0.13) Thin Films Deposited by Reactive Magnetron Cosputtering. Physica Status Solidi (B): Basic Research, 0, , 2100374.	1.5	1
165	Tailoring of rhenium oxidation state in ReOx thin films during reactive HiPIMS deposition process and following annealing. Materials Chemistry and Physics, 2022, 289, 126399.	4.0	1
166	Ab Initio Multiple-Scattering Calculations of the RheniumL3andL1Edges XAFS in ReO3. Japanese Journal of Applied Physics, 1993, 32, 46.	1.5	0
167	Cu Polyimidazole Thioether Complexes : Comparison of RDF's Reconstructed from XAFS and XRD Data. European Physical Journal Special Topics, 1997, 7, C2-639-C2-640.	0.2	0
168	Temperature and pH Dependence of Gd-DOTA and Gd-DTPA Complexes Dissociation Studied by EXAFS. European Physical Journal Special Topics, 1997, 7, C2-641-C2-642.	0.2	0
169	Lattice softening in superconducting compositions of Ba(K)BiO3. Journal of Synchrotron Radiation, 2001, 8, 845-847.	2.4	0
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