

Francesco Rocca

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7154212/publications.pdf>

Version: 2024-02-01

166
papers

2,988
citations

201674

27
h-index

214800

47
g-index

167
all docs

167
docs citations

167
times ranked

2137
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of the interface region on the optoelectronic properties of silicon nanocrystals embedded in SiO ₂ . Physical Review B, 2003, 68, .	3.2	235
2	Cumulant analysis of the extended x-ray-absorption fine structure of $\hat{\Gamma}^2$ -AgI. Physical Review B, 1993, 47, 8502-8514.	3.2	117
3	Extended x-ray-absorption fine-structure measurements of copper: Local dynamics, anharmonicity, and thermal expansion. Physical Review B, 2004, 70, .	3.2	111
4	Inelastic light scattering in superionic glasses (AgI) _x (Ag ₂ O) _{1-x} (B ₂ O ₃) _{1-x} . Physical Review B, 1984, 29, 3567-3572.	3.2	110
5	Direct experimental determination of the crossover frequency between phonon and fracton regimes and its scaling behavior in superionic silver borate glasses. Physical Review Letters, 1987, 58, 503-506.	7.8	105
6	Low-frequency dynamics in superionic borate glasses by coupled Raman and inelastic neutron scattering. Physical Review B, 1990, 41, 3778-3785.	3.2	100
7	Negative thermal expansion and local dynamics in Cu ₂ O and Ag ₂ O. Physical Review B, 2006, 73, .	3.2	95
8	Silicon nanocrystal formation in annealed silicon-rich silicon oxide films prepared by plasma enhanced chemical vapor deposition. Journal of Applied Physics, 2007, 101, 113510.	2.5	77
9	Local disorder in crystalline and amorphous germanium. Physical Review B, 1995, 52, 11034-11043.	3.2	66
10	Giant Bulk Photovoltaic Effect under Linearly Polarized X-Ray Synchrotron Radiation. Physical Review Letters, 1995, 74, 988-991.	7.8	61
11	Ag ₂ O band structure and x-ray-absorption near-edge spectra. Physical Review B, 1989, 39, 9831-9838.	3.2	57
12	Local Thermal Expansion in a Cuprite Structure: The Case of Ag ₂ O. Physical Review Letters, 2002, 89, 025503.	7.8	56
13	Anharmonicity effects on the extended x-ray-absorption fine structure: The case of $\hat{\Gamma}^2$ -AgI. Physical Review B, 1995, 52, 149-157.	3.2	55
14	Negative thermal expansion in CuCl: An extended x-ray absorption fine structure study. Physical Review B, 2007, 75, .	3.2	51
15	Correlation effects in the extended x-ray-absorption fine-structure Debye-Waller factors of AgI. Physical Review B, 1990, 41, 9668-9675.	3.2	46
16	EXAFS studies of silver ion coordination in silver borate glasses. Journal of Non-Crystalline Solids, 1987, 91, 153-164.	3.1	43
17	Negative thermal expansion in crystals with the delafossite structure: An extended x-ray absorption fine structure study of CuScO_2 and CuLaO_2 . Physical Review B, 2009, 79, .	3.2	40
18	X-ray studies on optical and structural properties of ZnO nanostructured thin films. Superlattices and Microstructures, 2006, 39, 267-274.	3.1	39

#	ARTICLE	IF	CITATIONS
19	Isotopic Effect In Extended X-Ray-Absorption Fine Structure of Germanium. Physical Review Letters, 2008, 100, 055901.	7.8	38
20	XRD and EXAFS studies on the structure of Er ³⁺ -doped SiO ₂ -HfO ₂ glass-ceramic waveguides: Er ³⁺ -activated HfO ₂ nanocrystals. Journal Physics D: Applied Physics, 2009, 42, 115416.	2.8	38
21	Correlation Between I-Ag Distance and Ionic Conductivity in AgI Fast-Ion-Conducting Glasses. Physical Review Letters, 2008, 101, 155901.	7.8	36
22	XANES and EXAFS at Mo K-edge in (AgI) _{1-x} (Ag ₂ MoO ₄) _x glasses and crystals. Solid State Ionics, 1999, 121, 189-192.	2.7	35
23	Local thermal expansion in copper: Extended x-ray-absorption fine-structure measurements and path-integral Monte Carlo calculations. Physical Review B, 2003, 68, .	3.2	35
24	Optical and X-ray absorption measurements on superionic (AgI) _x (Ag ₂ O _n B ₂ O ₃) _{1-x} glasses. Solid State Ionics, 1983, 9-10, 597-602.	2.7	34
25	Short range order in AgI:Ag ₂ O:B ₂ O ₃ glasses: results from EXAFS and related techniques. Journal of Non-Crystalline Solids, 1990, 123, 310-314.	3.1	32
26	EXAFS studies of the local structure of Er ³⁺ ions in silica xerogels co-doped with aluminium. Journal of Non-Crystalline Solids, 2001, 293-295, 112-117.	3.1	30
27	Negative thermal expansion in crystals with the zincblende structure: an EXAFS study of CdTe. Journal of Physics Condensed Matter, 2012, 24, 115403.	1.8	28
28	X-ray-absorption spectroscopy of ZnTe, CdTe, and HgTe: Experimental and theoretical study of near-edge structures. Physical Review B, 1989, 39, 7895-7904.	3.2	27
29	Local structure around Er^{3+} ions in silica xerogels co-doped with aluminium. Journal of Non-Crystalline Solids, 2001, 293-295, 112-117.	3.2	27
30	Zn K-edge XANES in nanocrystalline ZnO. Journal of Physics: Conference Series, 2007, 93, 012045.	0.4	27
31	Structural and Optical Properties of Silicon Nanocrystals Grown by Plasma-Enhanced Chemical Vapor Deposition. Journal of Nanoscience and Nanotechnology, 2001, 1, 159-168.	0.9	26
32	On the sensitivity of the x-ray excited optical luminescence to the local structure of the luminescent Si sites of porous silicon. Applied Physics Letters, 1999, 74, 1454-1456.	3.3	25
33	Negative thermal expansion in cuprite-type compounds: A combined synchrotron XRPD, EXAFS, and computational study of Cu ₂ O and Ag ₂ O. Journal of Physics and Chemistry of Solids, 2006, 67, 1918-1922.	4.0	24
34	Evidence of fractal behaviour. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1987, 56, 251-255.	0.6	23
35	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
36	Temperature dependence of the Raman depolarization ratio in α -AgI. Physical Review B, 1981, 23, 4782-4783.	3.2	22

#	ARTICLE	IF	CITATIONS
37	Local behaviour of negative thermal expansion materials. Nuclear Instruments & Methods in Physics Research B, 2006, 246, 180-183.	1.4	22
38	Short-range order around Er ³⁺ in silica waveguides containing aluminium, titanium and hafnium. Optical Materials, 2006, 28, 864-867.	3.6	22
39	A high-temperature x-ray absorption spectroscopy study of. Journal of Physics Condensed Matter, 1996, 8, 9083-9102.	1.8	20
40	Structural study of AgI-Ag ₂ O-B ₂ O ₃ glasses by X-ray absorption spectroscopy. Solid State Ionics, 1992, 53-56, 1253-1259.	2.7	19
41	Local order in hydrogenated amorphous germanium thin films studied by extended x-ray absorption fine-structure spectroscopy. Journal of Physics Condensed Matter, 1997, 9, 5875-5888.	1.8	19
42	Er ³⁺ -activated silica-hafnia glass-ceramics planar waveguides. , 2006, 6183, 438.		19
43	Growth, optical, and electrical properties of silicon films produced by the metal-induced crystallization process. Journal of Nanoparticle Research, 2011, 13, 5999-6004.	1.9	19
44	Local structure and dynamics in AgI studied by EXAFS and molecular dynamics. Solid State Ionics, 1994, 69, 13-19.	2.7	18
45	Concentration dependence of Raman scattering in superionic glasses (AgI) _x (Ag ₂ O·H ₂ O) _{1-x} . Physical Review B, 1987, 36, 9279-9282.	3.2	17
46	Evidence of x-ray absorption-edge shift as a function of luminescence wavelength in porous silicon. Physical Review B, 2000, 62, 9911-9914.	3.2	17
47	Chemical composition and local structure of plasma enhanced chemical vapor-deposited Si nanodots and their embedding silica matrix. Applied Physics Letters, 2003, 82, 889-891.	3.3	17
48	XRD and EXAFS studies of crystallisation in films. Materials Science in Semiconductor Processing, 2006, 9, 1043-1048.	4.0	17
49	Influence of temperature on the local structure around iodine in fast-ion-conducting AgI:Ag ₂ MoO ₄ glasses. New Journal of Physics, 2007, 9, 88-88.	2.9	17
50	Interpretation of unexpected behavior of infrared absorption spectra of $(AgI)_{x}(Ag_{2}O \cdot H_{2}O)_{1-x}$ glasses: the quasiharmonic approximation. Physical Review B, 2016, 93, .	3.2	17
51	Low-Frequency Light Scattering in Superionic Glasses (AgI) _x (Ag ₂ O·H ₂ O) _{1-x} . Physica Status Solidi (B): Basic Research, 1985, 129, 489-496.	1.5	16
52	EXAFS structural studies on (AgI) _x (Ag ₂ O·4B ₂ O ₃) _{1-x} glasses. Solid State Ionics, 1988, 28-30, 713-716.	2.7	16
53	An EXAFS study of thermal disorder in GaAs. Journal of Physics Condensed Matter, 1994, 6, 3599-3608.	1.8	16
54	X-ray absorption spectroscopy study of ReO ₃ lattice dynamics. Journal of Physics Condensed Matter, 1995, 7, 1199-1213.	1.8	16

#	ARTICLE	IF	CITATIONS
55	X-ray absorption spectroscopy on light emitting porous silicon by XEOL and TEY. Journal of Non-Crystalline Solids, 1998, 232-234, 370-376.	3.1	16
56	Local study on the MoO ₄ units in AgI-doped silver molybdate glasses. Journal of Non-Crystalline Solids, 2008, 354, 94-97.	3.1	16
57	Cu doped ZnO pellets: study of structure and Cu specific magnetic properties. Journal of Physics Condensed Matter, 2012, 24, 506001.	1.8	16
58	Accuracy evaluation in temperature-dependent EXAFS measurements of CdTe. Journal of Synchrotron Radiation, 2013, 20, 603-613.	2.4	16
59	The structure of Ag- and Li-borate glasses of the composition (Ag ₂ O·2B ₂ O ₃) _{1-x} (AgI) _x and (Li ₂ O·2B ₂ O ₃). Journal of Non-Crystalline Solids, 1992, 150, 140-143.	3.1	15
60	X-ray-absorption spectroscopy of aNd ³⁺ -exchanged γ -Al ₂ O ₃ -alumina crystal. Physical Review B, 1994, 50, 6662-6672.	3.2	15
61	Local order in light emitting porous silicon studied by XEOL and TEY. Journal of Luminescence, 1998, 80, 103-107.	3.1	14
62	X-Ray Absorption and Diffraction Studies of Pr ³⁺ , Tb ³⁺ and Er ³⁺ -Activated Silica Gels. Journal of Sol-Gel Science and Technology, 2003, 26, 267-271.	2.4	14
63	Transmission electron microscopy study of NiSi nanocomposite films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 1108-1112.	3.5	14
64	Local structure and magnetization of ferromagnetic Cu-doped ZnO films: No magnetism at the dopant?. Journal of Alloys and Compounds, 2016, 678, 304-311.	5.5	14
65	Light scattering in AgI containing superionic glasses. Journal of Non-Crystalline Solids, 1990, 123, 230-233.	3.1	13
66	Local coordination of Ga impurity in hydrogenated amorphous germanium studied by extended x-ray absorption fine-structure spectroscopy. Applied Physics Letters, 1999, 74, 281-283.	3.3	13
67	Real-space multiple-scattering analysis of AgL ₁ - and L ₃ -edge XANES spectra of Ag ₂ O. Journal of Synchrotron Radiation, 1999, 6, 770-772.	2.4	13
68	Structure of (GeO ₂) _{1-x} (PbO) _x glasses by X-ray scattering. Journal of Non-Crystalline Solids, 2001, 293-295, 502-509.	3.1	13
69	Ordered and disordered models of local structure around Ag cations in silver borate glasses based on x-ray absorption near-edge structure spectroscopy. Physical Review B, 2004, 69, .	3.2	13
70	Local structure and dynamics of amorphous germanium studied by the cumulant expansion of EXAFS. Journal of Non-Crystalline Solids, 1993, 164-166, 159-162.	3.1	12
71	EXAFS and XANES study of GaAs on Ga and As K edges. Journal of Physics Condensed Matter, 1993, 5, 1643-1654.	1.8	12
72	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

#	ARTICLE	IF	CITATIONS
73	X-ray absorption spectroscopy study of local dynamics and thermal expansion in ReO_3 . Physical Review B, 2015, 92, .	3.2	12
74	L1 and L3 x-ray-absorption edges of iodine in AgI studied by multiple-scattering theory using complex potentials. Physical Review B, 1991, 44, 11569-11577.	3.2	11
75	The local structure of porous silicon studied by EXAFS. Nuclear Instruments & Methods in Physics Research B, 1995, 97, 322-325.	1.4	11
76	X-ray absorption fine structure: characterization of thermal and structural disorder in non-crystalline solids. Journal of Non-Crystalline Solids, 2004, 345-346, 7-15.	3.1	11
77	Fractal model of Raman scattering in superionic glasses: Does it always work?. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1989, 59, 57-63.	0.6	10
78	EXAFS studies of the local thermal expansion in borate glasses. Journal of Non-Crystalline Solids, 2001, 293-295, 93-99.	3.1	10
79	X-ray absorption study of light emitting silicon nanocrystals. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 16, 321-325.	2.7	10
80	EXAFS study of the coordination of phosphorus in AgPO ₃ glass. Journal of Non-Crystalline Solids, 1988, 106, 181-184.	3.1	9
81	Electron-vibration coupling in a dynamical fractal: Superionic borate glasses. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1992, 65, 143-151.	0.6	9
82	Extended X-ray absorption fine structure measurements of the local environment of Pr ³⁺ ions in silica xerogels and zinc borate glasses. Journal of Non-Crystalline Solids, 1998, 232-234, 581-586.	3.1	9
83	EXAFS study of Tb-doped silica xerogels. Journal of Synchrotron Radiation, 1999, 6, 737-739.	2.4	9
84	Nanoscale x-ray absorption spectroscopy using XEOL-SNOM detection mode. Journal of Physics: Conference Series, 2007, 93, 012038.	0.4	9
85	Zn K edge and O K edge x-ray absorption spectra of ZnO surfaces: implications for nanorods. Journal of Physics Condensed Matter, 2011, 23, 315501.	1.8	9
86	Ionic conductivity, electric modulus and mechanical relaxations in silver iodide-silver molybdate glasses. Journal of Non-Crystalline Solids, 2014, 401, 254-257.	3.1	9
87	The bulk photovoltaic effect in LiNbO ₃ crystals under X-ray synchrotron radiation. Ferroelectrics, Letters Section, 1993, 16, 1-5.	1.0	8
88	X-ray analysis of the structure of Ag-tetraborate glasses (AgI) _x (Ag ₂ O) _{4-4x} B ₂ O ₃ . Journal of Non-Crystalline Solids, 1998, 232-234, 627-633.	3.1	8
89	Internal stress-induced changes of impurity coordination and doping mechanisms in a-Ge:H doped with column III metals. Solid State Communications, 2000, 115, 89-93.	1.9	8
90	Thermal behaviour of the local environment around iodine in fast-ion-conducting AgI-doped glasses. Philosophical Magazine, 2007, 87, 769-777.	1.6	8

#	ARTICLE	IF	CITATIONS
91	Chromium oxide as a metal diffusion barrier layer: An x-ray absorption fine structure spectroscopy study. <i>Journal of Applied Physics</i> , 2014, 115, 044315.	2.5	8
92	Fano interference between the E2 (17 cm ⁻¹) optical mode and one-phonon continuum scattering from $\text{I}^2\text{-AgI}$. <i>Solid State Communications</i> , 1981, 39, 479-482.	1.9	7
93	X-ray absorption measurements at the Ag L3 edge on silver borate glasses with synchrotron radiation. <i>Solid State Communications</i> , 1983, 48, 421-425.	1.9	7
94	Exafs studies of the local structure in silver iodide containing glasses: Results and perspectives. <i>Materials Chemistry and Physics</i> , 1989, 23, 85-98.	4.0	7
95	Local structure and dynamics of disordered systems studied by EXAFS. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1995, 71, 751-760.	0.6	7
96	Local order of Sb and Bi dopants in hydrogenated amorphous germanium thin films studied by extended x-ray absorption fine structure. <i>Applied Physics Letters</i> , 2002, 81, 625-627.	3.3	7
97	EXAFS studies of lattice dynamics and thermal expansion. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3085-3088.	0.8	7
98	X-ray absorption spectroscopy of strongly disordered glasses: Local structure around Ag ions in $\text{Ag}_2\text{O}-\text{B}_2\text{O}_3$. <i>Physical Review B</i> , 2006, 73, .	3.2	7
99	EXAFS and XRD Studies with Subpicometer Accuracy: The Case of ReO_3 . <i>AIP Conference Proceedings</i> , 2007, , .	0.4	7
100	XAFS study of Ni surroundings in metal induced crystallization of thin film amorphous silicon. <i>Solid State Communications</i> , 2008, 147, 401-404.	1.9	7
101	A new tool for nanoscale X-ray absorption spectroscopy and element-specific SNOM microscopy. <i>Micron</i> , 2009, 40, 61-65.	2.2	7
102	Er^{3+} local structure and its optical properties in $\text{ZnO}-\text{PbO}$ tellurite glasses. <i>Journal of Non-Crystalline Solids</i> , 2014, 383, 153-156.	3.1	7
103	SHORT RANGE ORDER IN SILVER BORATE GLASSES. <i>Journal De Physique Colloque</i> , 1985, 46, C8-101-C8-105.	0.2	6
104	X-ray absorption spectroscopy of CdMnTe . <i>Journal of Crystal Growth</i> , 1990, 101, 237-240.	1.5	6
105	PIN Silicon Diodes as EXAFS Signal Detectors. <i>Journal of Synchrotron Radiation</i> , 1996, 3, 213-219.	2.4	6
106	EXAFS and local thermal expansion: The case of silver oxide. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 200, 237-241.	1.4	6
107	Raman and Er^{3+} spectroscopy of hafnia single crystals and nanocrystals. <i>Optical Materials</i> , 2009, 31, 1362-1365.	3.6	6
108	Electronic structure effects on BK-edge XANES of minerals. <i>Journal of Synchrotron Radiation</i> , 2010, 17, 367-373.	2.4	6

#	ARTICLE	IF	CITATIONS
109	Cr induced nanocrystallization of a -Si thin films: its mechanism. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 1493-1495.	0.8	6
110	Local structure and magnetism of Cu-doped ZnO via Cu <i>K</i> -edge XAS and XMCD: theory and experiment. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012128.	0.4	6
111	Metal induced crystallization of amorphous silicon thin films studied by x-ray absorption fine structure spectroscopy. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012035.	0.4	6
112	Low-temperature behaviour of the lithium modes in monoclinic Li_2SO_4 . <i>Physica Status Solidi (B): Basic Research</i> , 1987, 140, 621-630.	1.5	5
113	Raman activity in the β -phase of silver iodide: Low-temperature ordered crystal. <i>Physical Review B</i> , 1988, 38, 10883-10893.	3.2	5
114	The circular bulk photovoltaic effect in the piezoelectric crystal $\text{La}_3\text{Ga}_5\text{SiO}_{14}$: Pr. <i>Ferroelectrics, Letters Section</i> , 1996, 21, 61-63.	1.0	5
115	Local coordination and electronic doping of column III metals in hydrogenated amorphous germanium. <i>Journal of Non-Crystalline Solids</i> , 2000, 266-269, 726-729.	3.1	5
116	Study of the order-disorder transition in AgI by temperature dependence of the depolarization ratio. <i>Solid State Ionics</i> , 1981, 5, 473-476.	2.7	4
117	Fractal interpretation of raman scattering on $\text{AgI}:\text{Ag}_2\text{O}:\text{B}_2\text{O}_3$. <i>Solid State Ionics</i> , 1988, 28-30, 722-725.	2.7	4
118	Transmission and reflectivity studies of $(\text{AgI})_x(\text{Ag}_2\text{O}:\text{B}_2\text{O}_3)_{1-x}$ glasses in the 0.5-5.9 eV energy range. <i>Journal of Non-Crystalline Solids</i> , 1990, 122, 151-159.	3.1	4
119	EXAFS analysis for anharmonic systems. <i>Physica B: Condensed Matter</i> , 1995, 208-209, 135-136.	2.7	4
120	The medium-range order in Li and Ag borate glasses (with AgI). <i>Journal of Non-Crystalline Solids</i> , 1995, 192-193, 125-128.	3.1	4
121	X-ray-absorption spectroscopy of Nd^{3+} -exchanged β -alumina crystal. <i>Physical Review B</i> , 1996, 53, 11444-11450.	3.2	4
122	Local structure studies of $\text{SrTi}_{16}\text{O}_{33}$ and $\text{SrTi}_{18}\text{O}_{33}$. <i>Physica Scripta</i> , 2014, 89, 044002.	2.5	4
123	Ab initio molecular dynamics simulations of the Sc K-edge EXAFS of scandium trifluoride. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012009.	0.4	4
124	Investigation of the Local Thermal Behaviour of GaAs by the Cumulant Analysis of EXAFS. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 89.	1.5	4
125	EXAFS and XRD Study of Local Dynamics in Cu_2O and Ag_2O . <i>Physica Scripta</i> , 2005, , 271.	2.5	3
126	On the origin of the differences in the Cu K-edge XANES of isostructural and isoelectronic compounds. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 255401.	1.8	3

#	ARTICLE	IF	CITATIONS
127	Structural and optical characterization of the local environment of Er ³⁺ ions in PbO–ZnO tellurite glasses. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 505101.	1.8	3
128	Local Structure Studies of Ti for SrTi ₁₆ O ₃ and SrTi ₁₈ O ₃ by Advanced X-ray Absorption Spectroscopy Data Analysis. <i>Ferroelectrics</i> , 2015, 485, 42-52.	0.6	3
129	Local dynamics and phase transition in quantum paraelectric SrTiO ₃ studied by Ti K-edge x-ray absorption spectroscopy. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012101.	0.4	3
130	Local structure of perovskites ReO ₃ and ScF ₃ with negative thermal expansion: interpretation beyond the quasiharmonic approximation. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012013.	0.4	3
131	Disorder induced Raman scattering in $\hat{\Gamma}^2$ -AgI. <i>Solid State Ionics</i> , 1986, 18-19, 883-887.	2.7	2
132	Temperature dependence of the Debye-Waller factors in AgI. <i>Physica B: Condensed Matter</i> , 1989, 158, 407-408.	2.7	2
133	Extended X-ray absorption fine structure and vibrational dynamics in AgI. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1989, 59, 143-149.	0.6	2
134	Temperature dependence of EXAFS Debye-Waller factors in beta - and gamma -AgI. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 1121-1130.	1.8	2
135	Size and surface effects in porous silicon studied by X-ray absorption spectroscopy. <i>Physica Status Solidi A</i> , 2003, 197, 98-102.	1.7	2
136	Silicon Nanocrystal Nucleation as a Function of the Annealing Temperature in SiO _x Films. <i>Materials Research Society Symposia Proceedings</i> , 2003, 770, 131.	0.1	2
137	XANES and EXAFS Modelling of Configurational Disorder in Silver Borate Glasses. <i>Physica Scripta</i> , 2005, , 149.	2.5	2
138	Wide-Band KB Optics for Spectro-Microscopy Imaging Applications in the 6–13 keV X-ray Energy Range. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	2
139	B K-Edge XANES of Superstructural Units in Borate Glasses. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	2
140	Mechanical relaxation in a ternary silver borate below the glass transition temperature and corresponding features of the electrical response. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 521-522, 276-278.	5.6	2
141	Thermal expansion of silver iodide-silver molybdate glasses at low temperatures. <i>Journal of Chemical Physics</i> , 2009, 130, 204508.	3.0	2
142	Structural studies of ionically conductive glasses by EXAFS. <i>European Physical Journal Special Topics</i> , 1992, 02, C2-97-C2-106.	0.2	2
143	Experimental and Theoretical Joint Study on the Electronic and Structural Properties of Silicon Nanocrystals Embedded in SiO ₂ : active Role of the Interface Region. <i>Materials Research Society Symposia Proceedings</i> , 2003, 770, 611.	0.1	2
144	EXAFS study of Nd ³⁺ -exchanged $\hat{\Gamma}^2$ -alumina crystal. <i>Solid State Ionics</i> , 1994, 70-71, 465-470.	2.7	1

#	ARTICLE	IF	CITATIONS
145	The local structure of porous silicon investigated by EXAFS. <i>Physica B: Condensed Matter</i> , 1995, 208-209, 559-561.	2.7	1
146	New EXAFS Measurements by XEOL and TEY on Porous Silicon. <i>Journal of Porous Materials</i> , 2000, 7, 169-172.	2.6	1
147	EXAFS and thermal expansion. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	1
148	EXAFS and negative thermal expansion in CdTe. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012066.	0.4	1
149	Investigation of Er ³⁺ coordination in zinc-lead tellurite bulk glasses and silica-hafnia glass ceramics waveguides. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012089.	0.4	1
150	EXAFS on Silver Borate Glasses. <i>Springer Proceedings in Physics</i> , 1984, , 314-316.	0.2	1
151	Anharmonicity of $\hat{\Gamma}^2$ -AgI Studied by the Cumulant Expansion of EXAFS. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 86.	1.5	1
152	X-ray Absorption Study of Gallium Arsenide at the Ga and AsK-edges. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 104.	1.5	1
153	EXAFS study of the $\hat{\Gamma}^2$ -AgI phase stabilized at room temperature in a glass matrix. <i>Physica B: Condensed Matter</i> , 1995, 208-209, 383-384.	2.7	0
154	EXAFS study of the $\hat{\Gamma}^2$ -AgI phase stabilized at room temperature in a glass matrix. <i>Journal of Non-Crystalline Solids</i> , 1995, 192-193, 347-350.	3.1	0
155	Crystalline silicon growth in nickel/a-silicon bilayer. , 2013, , .		0
156	The 12th International Conference on the Structure of Non-Crystalline Materials (NCM12), Riva del Garda-Trento, Italy July 7-13, 2013. <i>Journal of Non-Crystalline Solids</i> , 2014, 401, 1-3.	3.1	0
157	EXAFS and Local Thermal Expansion. <i>Physica Scripta</i> , 2005, , 143.	2.5	0
158	The XANES K-Edge Spectra for HgMnSe and HgFeSe. <i>Acta Physica Polonica A</i> , 1991, 80, 373-376.	0.5	0
159	Non gaussian distributions in disordered systems studied by the cumulant expansion of EXAFS. <i>European Physical Journal Special Topics</i> , 1992, 02, C2-207-C2-210.	0.2	0
160	Temperature Dependent Re L ₃ -Edge X-Ray Absorption Study of Crystalline Rhenium Trioxide ReO ₃ . <i>European Physical Journal Special Topics</i> , 1997, 7, C2-1119-C2-1120.	0.2	0
161	Local Order in Hydrogenated Amorphous Germanium Thin Films. <i>European Physical Journal Special Topics</i> , 1997, 7, C2-1013-C2-1014.	0.2	0
162	Anharmonic Thermal Vibrations in CdSe. <i>European Physical Journal Special Topics</i> , 1997, 7, C2-237-C2-238.	0.2	0

#	ARTICLE	IF	CITATIONS
163	OBSERVATION OF PRETRANSITIONAL EFFECTS ON THE SHAPE OF THE E_{2g} (17 cm^{-1}) OPTICAL MODE IN $\hat{I}^2\text{-Ag}_1$ BY RAMAN SPECTROSCOPY. Journal De Physique Colloque, 1981, 42, C6-776-C6-778.	0.2	0
164	VIBRATIONAL DYNAMICS OF RbAg_4I_5 BY RAMAN SPECTROSCOPY. Journal De Physique Colloque, 1981, 42, C6-190-C6-192.	0.2	0
165	XANES IN FAST ION CONDUCTING GLASSES $\text{AgI} : \text{Ag}_2\text{O} : \text{B}_2\text{O}_3$. Journal De Physique Colloque, 1986, 47, C8-749-C8-752.	0.2	0
166	XAS STUDIES ON THE ROLE OF THE ALKALINE ION IN A LEAD-GLAZE SYSTEM. Journal De Physique Colloque, 1986, 47, C8-753-C8-756.	0.2	0