

Antonina N Kravtsova

List of Publications by Year in descending order

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papers

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933447

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Evolution of local electronic structure in alabandite and niningerite solid solutions [(Mn,Fe)S, (Mg,Mn)S, (Mg,Fe)S] using sulfur K - and L -edge XANES spectroscopy. American Mineralogist, 2002, 87, 1321-1332.	1.9	62
2	Electronic structure of MS (M=Ca, Mg, Fe, Mn): X -ray absorption analysis. Physical Review B, 2004, 69, .	3.2	61
3	Electronic reconstruction at n X -ray absorption analysis. Physical Review B, 2010, 81, .	3.2	32
4	Electronic structure of MeS (Me = Ni, Co, Fe): x -ray absorption analysis. Journal of Physics Condensed Matter, 2004, 16, 7545-7556.	1.8	20
5	X-ray Absorption Spectroscopic Studies on Nickel Catalysts for Epoxidation. Industrial & Engineering Chemistry Research, 2005, 44, 8631-8640.	3.7	13
6	X-ray and electron spectroscopy investigation of the core-shell nanowires of ZnO:Mn. Solid State Communications, 2011, 151, 1314-1317.	1.9	13
7	X-ray absorption spectroscopic and magneto-chemical analysis of the atomic structure of copper(II) complexes with diacetyl monoxime β -phthalazinyl hydrazone. Journal of Structural Chemistry, 2012, 53, 295-305.	1.0	13
8	Fine structure of unoccupied d states near the Fermi level in Ag and AgPd studied by high-resolution partial Auger yield spectroscopy at the L_{3} edge. Physical Review B, 2003, 67, .	3.2	11
9	Spin-polarized electronic structure of the core-shell ZnO/ZnO:Mn nanowires probed by X-ray absorption and emission spectroscopy. Journal of Analytical Atomic Spectrometry, 2013, 28, 1629.	3.0	11
10	The limitations of hibonite as a single-mineral oxybarometer for early solar system processes. Chemical Geology, 2017, 466, 32-40.	3.3	11
11	X-ray absorption near-edge spectroscopic study of nickel catalysts. Radiation Physics and Chemistry, 2006, 75, 1866-1868.	2.8	10
12	Valence determination of rare earth elements in lanthanide silicates by L_{3} -XANES spectroscopy. Journal of Physics: Conference Series, 2016, 712, 012096.	0.4	10
13	Electronic structure of ilmenite: X -ray absorption and DFT study. Journal of Physics: Conference Series, 2009, 190, 012181.	0.4	8
14	Atomic structure of the copper bromide complex based on benzoin β -phthalazinylhydrazone: DFT and X-ray absorption spectroscopy analysis. Journal of Structural Chemistry, 2010, 51, 1075-1080.	1.0	8
15	Atomic and electronic structure of CdS-based quantum dots. Journal of Structural Chemistry, 2015, 56, 517-522.	1.0	8
16	The atomic structure of Fe _{100-x} Cu _x nanoalloys: X-ray absorption analysis. Journal of Alloys and Compounds, 2009, 469, 42-49.	5.5	7
17	Study of local atomic and electronic structure of titanium-containing forsterite based on analysis of X-ray absorption spectra. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2011, 111, 936-939.	0.6	7
18	X-ray spectroscopic identification of garnet from the placer deposits of the Taman peninsula. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2013, 115, 858-862.	0.6	7

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19	Atomic and electronic structure of free niobium nanoclusters: Simulation of the M 4,5 -XANES spectrum of Nb 13 +. Journal of Electron Spectroscopy and Related Phenomena, 2014, 195, 189-194.	1.7	7
20	Iron oxidation state of impact glasses from the Zhamanshin crater studied by X-ray absorption spectroscopy. Radiation Physics and Chemistry, 2020, 175, 108097.	2.8	7
21	Analysis of the fine structure of XANES spectra over NiK edge in Ni(EtOCS2)2. Journal of Structural Chemistry, 2007, 48, 1061-1065.	1.0	6
22	Influence of the muffin-tin approximation on the simulation of titanium K-edge X-ray absorption spectra of TiO2 (rutile and anatase phases). Physica B: Condensed Matter, 2010, 405, 724-726.	2.7	6
23	X-ray spectral diagnostics of synthetic lanthanide silicates. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314,rgBT /Overlock 10	0.8	6
24	X-ray spectroscopic diagnostics of the structure of quantum dots based on zinc and manganese sulfides and oxides. Journal of Structural Chemistry, 2017, 58, 1633-1640.	1.0	6
25	Application of X-ray absorption spectroscopy for L3-edges of Dy and Yb in dibenzoylmethanide complexes: Experiment and theoretical interpretation. Journal of Molecular Structure, 2019, 1188, 205-213.	3.6	6
26	Free small nanoclusters of titanium: XANES study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 575, 165-167.	1.6	5
27	Determination of the local atomic structure of the active center of bromoperoxidase protein via the analysis of x-ray absorption spectra. Journal of Surface Investigation, 2008, 2, 900-903.	0.5	5
28	Analysis of the X-ray absorption spectra near the cobaltK-edge of the Co(2,2'-Bipy)(i-Bu2PS2)2complex. Journal of Physics: Conference Series, 2009, 190, 012148.	0.4	5
29	Xanes Spectroscopic Diagnostics of the 3D Local Atomic Structure of Nanostructured Materials. Journal of Structural Chemistry, 2018, 59, 1691-1706.	1.0	5
30	B1 Phase of FeS in Mg1?xFexS Solid Solution: X-ray Absorption Study. Physica Status Solidi (B): Basic Research, 2002, 234, R4-R5.	1.5	4
31	Doped CdTe-based quantum dots. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 1413-1416.	0.6	4
32	Synchrotron-Based X-Ray Absorption Spectroscopy for the Study of Geological Materials. Journal of Surface Investigation, 2020, 14, 135-149.	0.5	4
33	Rapid microwave synthesis of CdS quantum dots stabilized with 4,4 -bipyridine and dioctyl sodium sulfosuccinate. Mendeleev Communications, 2017, 27, 313-314.	1.6	4
34	Local and electronic structure of FeS, CoS, NiS: Ultrasoft sulfur L2,3 X-ray absorption spectra analysis. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 525-527.	1.7	3
35	Unoccupied Electronic States of MgS, CaS, FeS XRay Absorption Fine Structure Theoretical Analysis. Physica Scripta, 2005, , 323.	2.5	3
36	Nitrogen defect levels in InN: XANES study. Radiation Physics and Chemistry, 2006, 75, 1635-1637.	2.8	3

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37	ALN nanoparticles XANES analysis: Local atomic and electronic structure. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 575, 85-87.	1.6	3
38	Analysis of the local atomic structure of quantum dots of the CdS family. Journal of Structural Chemistry, 2016, 57, 1422-1428.	1.0	3
39	The Ti environment in natural hibonite: XANES spectroscopy and computer modelling. Journal of Physics: Conference Series, 2016, 712, 012089.	0.4	3
40	Synthesis and structure modeling of ZnS based quantum dots. Journal of Structural Chemistry, 2016, 57, 926-933.	1.0	3
41	In silico study of the atomic and electronic structure of quantum dots of the CdTe family doped with atoms of rare earth elements. Journal of Structural Chemistry, 2016, 57, 491-496.	1.0	3
42	Local atomic and electronic structure of quantum dots based on Mn- and Co-doped ZnS. Journal of Structural Chemistry, 2017, 58, 45-52.	1.0	3
43	Analysis of the electronic structure of human hemoglobin from soft X-ray emission. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 279-282.	1.7	2
44	Structure and Chemical Composition of the Ordinary Chondrite Jiddat Al Harasis 055. Journal of Structural Chemistry, 2018, 59, 1858-1865.	1.0	2
45	Study of the local structure of the cathode material Li_xNiO_2 ($x=0.7$): Analysis of the Near-Edge Fine Structure of the X-ray Absorption Spectra. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2006, 101, 245-247.	0.6	0
46	Analysis of the X-ray absorption fine structure near the Ti L _{2,3} edge in free titanium nanoclusters. Journal of Surface Investigation, 2009, 3, 38-40.	0.5	1
47	Analysis of the Ni K-edge X-ray absorption near edge structure in $\text{Ni}((\text{C}_2\text{H}_5\text{O})_2\text{PS}_2)_2$. Journal of Surface Investigation, 2009, 3, 457-459.	0.5	1
48	Modelling of substitutional defects in the structure of Ti-bearing hibonite. Journal of Structural Chemistry, 2016, 57, 1369-1376.	1.0	1
49	Temperature effect on the structure and characteristics of ZnS-based quantum dots. Journal of Structural Chemistry, 2017, 58, 1397-1402.	1.0	1
50	Analysis of the polarization dependence of the N K edge X-ray absorption fine structure in InN. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2006, 101, 245-247.	0.6	0
51	Analysis of the atomic structure of colloidal quantum dots of the CdSe family: X-ray spectral diagnostics and computer modelling. Journal of Structural Chemistry, 2016, 57, 1429-1435.	1.0	0
52	Comprehensive Investigation of Some Ordinary Chondrites Based on X-Ray Methods and Mössbauer Spectroscopy. Journal of Surface Investigation, 2019, 13, 995-1004.	0.5	0
53	Complex diagnostics of ordinary chondrites Markovka, Polujamki, Sayh al Uhaymir 001, Dhofar 020, and Jiddat al Harasis 055 by X-ray techniques and Mössbauer spectroscopy. Meteoritics and Planetary Science, 2021, 56, 2191-2210.	1.6	0