

# Alexander A Guda

## List of Publications by Year in descending order

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129  
papers

2,984  
citations

172207

29  
h-index

189595

50  
g-index

130  
all docs

130  
docs citations

130  
times ranked

4097  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic frameworks: structure, properties, methods of synthesis and characterization. Russian Chemical Reviews, 2016, 85, 280-307.	2.5	300
2	Rational Design of Graphene-Supported Single Atom Catalysts for Hydrogen Evolution Reaction. Advanced Energy Materials, 2019, 9, 1803689.	10.2	279
3	Optimized Finite Difference Method for the Full-Potential XANES Simulations: Application to Molecular Adsorption Geometries in MOFs and Metal-Ligand Intersystem Crossing Transients. Journal of Chemical Theory and Computation, 2015, 11, 4512-4521.	2.3	179
4	In situ formation of hydrides and carbides in palladium catalyst: When XANES is better than EXAFS and XRD. Catalysis Today, 2017, 283, 119-126.	2.2	103
5	Temperature- and Pressure-Dependent Hydrogen Concentration in Supported Pd Nanoparticles by Pd K-Edge X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 10416-10423.	1.5	83
6	Tracking the Structural and Electronic Configurations of a Cobalt Proton Reduction Catalyst in Water. Journal of the American Chemical Society, 2016, 138, 10586-10596.	6.6	77
7	Quantitative structural determination of active sites from in situ and operando XANES spectra: From standard ab initio simulations to chemometric and machine learning approaches. Catalysis Today, 2019, 336, 3-21.	2.2	70
8	Li intercalation in isostructural $\text{Li}_2\text{VO}_3$ and $\text{Li}_2\text{VO}_2\text{F}$ with $\text{O}^{2-}$ and mixed $\text{O}^{2-}/\text{F}^{-}$ anions. Physical Chemistry Chemical Physics, 2015, 17, 17288-17295.	1.3	67
9	Core-Shell Structure of Palladium Hydride Nanoparticles Revealed by Combined X-ray Absorption Spectroscopy and X-ray Diffraction. Journal of Physical Chemistry C, 2017, 121, 18202-18213.	1.5	67
10	PyFitit: The software for quantitative analysis of XANES spectra using machine-learning algorithms. Computer Physics Communications, 2020, 250, 107064.	3.0	64
11	Palladium Carbide and Hydride Formation in the Bulk and at the Surface of Palladium Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 12029-12037.	1.5	61
12	Improved Voltage and Cycling for Li Intercalation in High-Capacity Disordered Oxyfluoride Cathodes. Advanced Science, 2015, 2, 1500128.	5.6	56
13	Modulator Effect in UiO-66-NDC (1,4-Naphthalenedicarboxylic Acid) Synthesis and Comparison with UiO-67-NDC Isoreticular Metal-Organic Frameworks. Crystal Growth and Design, 2017, 17, 5422-5431.	1.4	55
14	Structural and Spectroscopic Characterization of Reaction Intermediates Involved in a Dinuclear Co-H <sub>2</sub> O Water Oxidation Catalyst. Journal of the American Chemical Society, 2016, 138, 15291-15294.	6.6	49
15	Understanding X-ray absorption spectra by means of descriptors and machine learning algorithms. Npj Computational Materials, 2021, 7, .	3.5	48
16	Time-resolved operando studies of carbon supported Pd nanoparticles under hydrogenation reactions by X-ray diffraction and absorption. Faraday Discussions, 2018, 208, 187-205.	1.6	47
17	Operando study of palladium nanoparticles inside UiO-67 MOF for catalytic hydrogenation of hydrocarbons. Faraday Discussions, 2018, 208, 287-306.	1.6	46
18	Zn/Co ZIF family: MW synthesis, characterization and stability upon halogen sorption. Polyhedron, 2018, 154, 457-464.	1.0	44

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19	Partial and Complete Substitution of the 1,4-Benzenedicarboxylate Linker in UiO-66 with 1,4-Naphthalenedicarboxylate: Synthesis, Characterization, and H <sub>2</sub> -Adsorption Properties. <i>Inorganic Chemistry</i> , 2019, 58, 1607-1620.	1.9	42
20	Development of a water based process for stable conversion cathodes on the basis of FeF <sub>3</sub> . <i>Journal of Power Sources</i> , 2016, 313, 213-222.	4.0	39
21	X-ray absorption spectroscopy with time-tagged photon counting: application to study the structure of a Co(i) intermediate of H <sub>2</sub> evolving photo-catalyst. <i>Faraday Discussions</i> , 2014, 171, 259-273.	1.6	37
22	Design of Nickel-Based Cation-Disordered Rock-Salt Oxides: The Effect of Transition Metal (M = V, Ti). <i>Journal of Materials &amp; Interfaces</i> , 2018, 10, 21957-21964.	4.0	37
23	Microsecond X-ray Absorption Spectroscopy Identification of Co <sup>I</sup> Intermediates in Cobaloxime-Catalyzed Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2015, 21, 15158-15162.	1.7	35
24	Zn <sup>F</sup> co-doped TiO <sub>2</sub> nanomaterials: Synthesis, structure and photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153662.	2.8	35
25	Electronic and Geometric Structure of Ce <sup>3+</sup> Forming Under Reducing Conditions in Shaped Ceria Nanoparticles Promoted by Platinum. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1974-1982.	1.5	34
26	The insights from X-ray absorption spectroscopy into the local atomic structure and chemical bonding of Metal-organic frameworks. <i>Polyhedron</i> , 2018, 155, 232-253.	1.0	34
27	Pump-Flow-Probe X-ray Absorption Spectroscopy as a Tool for Studying Intermediate States of Photocatalytic Systems. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17367-17375.	1.5	31
28	Tuning Pt and Cu sites population inside functionalized UiO-67 MOF by controlling activation conditions. <i>Faraday Discussions</i> , 2017, 201, 265-286.	1.6	31
29	Hydride phase formation in carbon supported palladium hydride nanoparticles by <i>in situ</i> EXAFS and XRD. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012032.	0.3	30
30	Microwave-assisted synthesis of magnetic iron oxide nanoparticles in oleylamine-oleic acid solutions. <i>Mendeleev Communications</i> , 2017, 27, 487-489.	0.6	30
31	The role of palladium carbides in the catalytic hydrogenation of ethylene over supported palladium nanoparticles. <i>Catalysis Today</i> , 2019, 336, 40-44.	2.2	29
32	Suppressing Dissolution of Vanadium from Cation-Disordered Li <sub>2</sub> V <sub>2</sub> O <sub>7</sub> F via a Concentrated Electrolyte Approach. <i>Chemistry of Materials</i> , 2019, 31, 7941-7950.	3.2	27
33	Deciphering the Phillips Catalyst by Orbital Analysis and Supervised Machine Learning from Cr Pre-edge XANES of Molecular Libraries. <i>Journal of the American Chemical Society</i> , 2021, 143, 7326-7341.	6.6	26
34	Magnetic field-induced ferroelectricity in 1/2 kagome staircase compound PbCu <sub>3</sub> TeO <sub>7</sub> . <i>Npj Quantum Materials</i> , 2018, 3, .	1.8	25
35	The effect of cobalt content in Zn/Co-ZIF-8 on iodine capping properties. <i>Inorganica Chimica Acta</i> , 2019, 492, 18-22.	1.2	25
36	Finite difference method accelerated with sparse solvers for structural analysis of the metal-organic complexes. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012004.	0.3	24

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37	Taking a snapshot of the triplet excited state of an OLED organometallic luminophore using X-rays. <i>Nature Communications</i> , 2020, 11, 2131.	5.8	24
38	Effect of Molecular Guest Binding on the d-d Transitions of Ni <sup>2+</sup> of CPO-27-Ni: A Combined UV-Vis, Resonant-Valence-to-Core X-ray Emission Spectroscopy, and Theoretical Study. <i>Inorganic Chemistry</i> , 2017, 56, 14408-14425.	1.9	22
39	Mechanistic Evaluation of a Nickel Proton Reduction Catalyst Using Time-Resolved X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20049-20057.	1.5	21
40	Machine learning approaches to XANES spectra for quantitative 3D structural determination: The case of CO <sub>2</sub> adsorption on CPO-27-Ni MOF. <i>Radiation Physics and Chemistry</i> , 2020, 175, 108430.	1.4	21
41	A novel Fe-Fe <sub>2</sub> O <sub>3</sub> @MoS <sub>2</sub> QDs heterostructure for enhanced visible-light photocatalytic performance using ultrasonication approach. <i>Ceramics International</i> , 2020, 46, 19600-19608.	2.3	21
42	Elucidating the Oxygen Activation Mechanism on Ceria-Supported Copper-Oxo Species Using Time-Resolved X-ray Absorption Spectroscopy. <i>ACS Catalysis</i> , 2020, 10, 4692-4701.	5.5	21
43	Kramers-Kronig analysis of the optical linearity and nonlinearity of nanostructured Ga-doped ZnO thin films. <i>Optics and Laser Technology</i> , 2021, 135, 106691.	2.2	20
44	Ultra-Small Pd Nanoparticles on Ceria as an Advanced Catalyst for CO Oxidation. <i>Catalysts</i> , 2019, 9, 385.	1.6	19
45	Evolution of Pt and Pd species in functionalized UiO-67 metal-organic frameworks. <i>Catalysis Today</i> , 2019, 336, 33-39.	2.2	19
46	Quantitative Analysis of the UV-Vis Spectra for Gold Nanoparticles Powered by Supervised Machine Learning. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8656-8666.	1.5	19
47	Enhanced Reducibility of the Ceria-Tin Oxide Solid Solution Modifies the CO Oxidation Mechanism at the Platinum-Oxide Interface. <i>ACS Catalysis</i> , 2021, 11, 9435-9449.	5.5	19
48	Insight from X-ray Absorption Spectroscopy to Octahedral/Tetrahedral Site Distribution in Sm-Doped Iron Oxide Magnetic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8543-8552.	1.5	17
49	Time-dependent carbide phase formation in palladium nanoparticles. <i>Radiation Physics and Chemistry</i> , 2020, 175, 108079.	1.4	17
50	Pd nanoparticle growth monitored by DRIFT spectroscopy of adsorbed CO. <i>Analyst</i> , 2020, 145, 7534-7540.	1.7	17
51	Cobalt nanoparticles embedded in porous N-doped carbon support as a superior catalyst for the p-nitrophenol reduction. <i>Applied Surface Science</i> , 2022, 592, 153292.	3.1	17
52	Understanding the Origin of Higher Capacity for Ni-Based Disordered Rock-Salt Cathodes. <i>Chemistry of Materials</i> , 2020, 32, 3447-3461.	3.2	16
53	Revisiting the Extended X-ray Absorption Fine Structure Fitting Procedure through a Machine Learning-Based Approach. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7080-7091.	1.1	15
54	Fluorescence-detected XAS with sub-second time resolution reveals new details about the redox activity of Pt/CeO <sub>2</sub> catalyst. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 989-997.	1.0	14

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55	Absorption of Hydrocarbons on Palladium Catalysts: From Simple Models Towards Machine Learning Analysis of X-ray Absorption Spectroscopy Data. <i>Topics in Catalysis</i> , 2020, 63, 58-65.	1.3	14
56	X-ray and electron spectroscopy investigation of the core-shell nanowires of ZnO:Mn. <i>Solid State Communications</i> , 2011, 151, 1314-1317.	0.9	13
57	A room-temperature growth of gold nanoparticles on MOF-199 and its transformation into the [Cu <sub>2</sub> (OH)(BTC)(H <sub>2</sub> O)] phase. <i>Polyhedron</i> , 2018, 154, 357-363.	1.0	13
58	Photoabsorption of the molecular I <sup>+</sup> cation at the iodine K-edge. <i>Physical Review A</i> , 2018, 97, .	1.0	12
59	Operando XAS and UV-Vis Characterization of the Photodynamic Spiropyran-Zinc Complexes. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1324-1331.	1.2	12
60	Spin-polarized electronic structure of the core-shell ZnO/ZnO:Mn nanowires probed by X-ray absorption and emission spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1629.	1.6	11
61	Valence determination of rare earth elements in lanthanide silicates by L <sub>3</sub> -XANES spectroscopy. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012096.	0.3	10
62	A XAFS study of the local environment and reactivity of Pt-sites in functionalized UiO-67 MOFs. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012125.	0.3	10
63	Enhancement of the electrochemical performance of LiCoPO <sub>4</sub> by Fe doping. <i>Ceramics International</i> , 2021, 47, 31826-31833.	2.3	10
64	Iron (II) fluoride cathode material derived from MIL-88A. <i>Journal of Alloys and Compounds</i> , 2022, 916, 165438.	2.8	10
65	Incorporation of nitrogen in Co:ZnO studied by x-ray absorption spectroscopy and x-ray linear dichroism. <i>Physical Review B</i> , 2013, 87, .	1.1	9
66	Oxidation state and local structure of a high-capacity LiF/Fe(V <sub>2</sub> O <sub>5</sub> ) conversion cathode for Li-ion batteries. <i>Acta Materialia</i> , 2014, 68, 179-188.	3.8	9
67	Pd hydride and carbide studied by means of Pd K-edge X-ray absorption near-edge structure analysis. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2015, 79, 1180-1185.	0.1	9
68	Hydrogenation of ethylene over palladium: evolution of the catalyst structure by operando synchrotron-based techniques. <i>Faraday Discussions</i> , 2021, 229, 197-207.	1.6	9
69	Valence tautomeric transition of bis(o-dioxolene) cobalt complex in solid state and solution. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 215405.	0.7	9
70	Speciation of Ru Molecular Complexes in a Homogeneous Catalytic System: Fingerprint XANES Analysis Guided by Machine Learning. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27844-27852.	1.5	9
71	Synthesis and Characterization of MnCrO <sub>4</sub> , a New Mixed-Valence Antiferromagnet. <i>Inorganic Chemistry</i> , 2013, 52, 11850-11858.	1.9	8
72	Operando X-ray absorption spectra and mass spectrometry data during hydrogenation of ethylene over palladium nanoparticles. <i>Data in Brief</i> , 2019, 24, 103954.	0.5	8

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73	Laboratory operando Fe and Mn K-edges XANES and Mössbauer studies of the LiFe <sub>0.5</sub> Mn <sub>0.5</sub> PO <sub>4</sub> cathode material. Radiation Physics and Chemistry, 2020, 175, 108065.	1.4	8
74	Revisited Ti <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> as an Anode Material for Advanced Li-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 56366-56374.	4.0	8
75	Rational Functionalization of UiO-66 with Pd Nanoparticles: Synthesis and In Situ Fourier-Transform Infrared Monitoring. Inorganic Chemistry, 2022, 61, 3875-3885.	1.9	8
76	Linear magnetoelectric effect in g <sub>2</sub> thite, $\hat{1}\pm$ -FeOOH. Scientific Reports, 2017, 7, 16410.	1.6	7
77	Iron oxidation state of impact glasses from the Zhamanshin crater studied by X-ray absorption spectroscopy. Radiation Physics and Chemistry, 2020, 175, 108097.	1.4	7
78	Laboratory Operando XAS Study of Sodium Iron Titanite Cathode in the Li-Ion Half-Cell. Nanomaterials, 2021, 11, 156.	1.9	7
79	Machine learning powered by principal component descriptors as the key for sorted structural fit of XANES. Physical Chemistry Chemical Physics, 2021, 23, 17873-17887.	1.3	7
80	Estimating a Set of Pure XANES Spectra from Multicomponent Chemical Mixtures Using a Transformation Matrix-Based Approach. Springer Proceedings in Physics, 2021, , 65-84.	0.1	7
81	Temperature and Time-resolved XANES Studies of Novel Valence Tautomeric Cobalt Complex. Chemistry Letters, 2021, 50, 1933-1937.	0.7	7
82	How Much Structural Information Could Be Extracted from XANES Spectra for Palladium Hydride and Carbide Nanoparticles. Journal of Physical Chemistry C, 2022, 126, 4921-4928.	1.5	7
83	X-ray spectral diagnostics of synthetic lanthanide silicates. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.2	6
84	Experimental and theoretical study of hydrogen desorption process from Mn(BH <sub>4</sub> ) <sub>2</sub> . Journal of Alloys and Compounds, 2018, 735, 277-284.	2.8	6
85	New orthorhombic sodium iron(+2) titanate. Ceramics International, 2020, 46, 4416-4422.	2.3	6
86	Excited-state structure of copper phenanthroline-based photosensitizers. Physical Chemistry Chemical Physics, 2021, 23, 26729-26736.	1.3	6
87	Facile synthesis of ZnNC derived from a ZIF-8 metal-organic framework by the microwave-assisted solvothermal technique as an anode material for lithium-ion batteries. New Journal of Chemistry, 2022, 46, 9138-9145.	1.4	6
88	Copper defects inside AlN:Cu nanorods – XANES and LAPW study. Journal of Physics: Conference Series, 2009, 190, 012136.	0.3	5
89	Analysis of the local atomic structure of aluminum nitride nanoparticles. Journal of Surface Investigation, 2009, 3, 460-463.	0.1	5
90	X-ray absorption spectroscopy determination of the products of manganese borohydride decomposition upon heating. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 139-143.	0.1	5

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91	Absorption spectra at the iodine 3d ionisation threshold following the CH <sub>x</sub> I <sup>+</sup> cation sequence. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25415-25424.	1.3	5
92	MLFT approach with p-d hybridization for ab initio simulations of the pre-edge XANES. <i>Radiation Physics and Chemistry</i> , 2020, 175, 108105.	1.4	5
93	First-principle calculation for inherent stabilities of Li <sub>x</sub> CoPO <sub>4</sub> , Na <sub>x</sub> CoPO <sub>4</sub> and the mixture Li <sub>x</sub> Na <sub>1-x</sub> CoPO <sub>4</sub> . <i>Journal of Physics and Chemistry of Solids</i> , 2020, 136, 109192.	1.9	5
94	Search for Analytical Relations between X-Ray Absorption Spectra Descriptors and the Local Atomic Structure Using Machine Learning. <i>Journal of Surface Investigation</i> , 2021, 15, 934-938.	0.1	5
95	Application Ce L <sub>1</sub> -HERFD XAS to determine the atomic structure of CeO <sub>2</sub> -based nano-catalysts under working conditions. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012062.	0.3	4
96	Probing Structure and Reactivity of Metal Centers in Metal-Organic Frameworks by XAS Techniques. , 2017, , 397-430.		4
97	Investigation of the nanoscale two-component ZnS-ZnO heterostructures by means of HR-TEM and X-ray based analysis. <i>Journal of Solid State Chemistry</i> , 2018, 262, 264-272.	1.4	4
98	X-ray and optical characterization of the intermediate products in the Au <sup>3+</sup> reduction process by oleylamine. <i>Radiation Physics and Chemistry</i> , 2020, 175, 108067.	1.4	4
99	Spin-crossover in the iron(II) complex based on dihydro-bis(pyrazolyl)borate and 1,10-phenanthroline-5,6-dione. <i>Chemical Physics Letters</i> , 2020, 739, 136970.	1.2	4
100	Activation of LiCoPO <sub>4</sub> in Air. <i>Journal of Electronic Materials</i> , 2021, 50, 3105-3110.	1.0	4
101	Nitrogen defect levels in InN: XANES study. <i>Radiation Physics and Chemistry</i> , 2006, 75, 1635-1637.	1.4	3
102	Investigation of oxygen vacancies in CeO <sub>2</sub> /Pt system with synchrotron light techniques. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012064.	0.3	3
103	Spectroscopic Methods in Catalysis and Their Application in Well-Defined Nanocatalysts. <i>Studies in Surface Science and Catalysis</i> , 2017, , 221-284.	1.5	3
104	In situ X-ray absorption spectroscopy data during formation of active Pt- and Pd-sites in functionalized UiO-67 metal-organic frameworks. <i>Data in Brief</i> , 2019, 25, 104280.	0.5	3
105	Laboratory X-ray Microscopy Study of Microcrack Evolution in a Novel Sodium Iron Titanate-Based Cathode Material for Li-Ion Batteries. <i>Crystals</i> , 2022, 12, 3.	1.0	3
106	Chemical Information in the L <sub>3</sub> -X-ray Absorption Spectra of Molybdenum Compounds by High-Energy-Resolution Detection and Density Functional Theory. <i>Inorganic Chemistry</i> , 2022, 61, 869-881.	1.9	3
107	Local surrounding of vanadium atoms in CuCr <sub>1-x</sub> V <sub>x</sub> S <sub>2</sub> : X-ray absorption spectroscopy analysis. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2013, 114, 397-400.	0.2	2
108	Synthesis and Description of Small Gold and Palladium Nanoparticles on CeO <sub>2</sub> Substrate: FT-IR Spectroscopy Data. <i>Journal of Surface Investigation</i> , 2020, 14, 447-458.	0.1	2

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109	XPS and XAS investigations of multilayer nanostructures based on the amorphous CoFeB alloy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2020, 243, 146979.	0.8	2
110	Group III–V and II–VI Quantum Dots and Nanoparticles. <i>Springer Series in Optical Sciences</i> , 2015, , 247-268.	0.5	1
111	Specific features of the atomic structure of metallic layers of multilayered (CoFeZr/SiO <sub>2</sub> ) <sub>32</sub> and (CoFeZr/a-Si) <sub>40</sub> nanostructures with different interlayers. <i>Physics of the Solid State</i> , 2017, 59, 385-391.	0.2	1
112	In situ analysis of the formation steps of gold nanoparticles by oleylamine reduction. <i>Journal of Structural Chemistry</i> , 2017, 58, 1403-1410.	0.3	1
113	Structure and Properties of Ferroelectric Materials after Mechanoactivation. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2018, 82, 909-912.	0.1	1
114	Kinetics of the Atomic Structure of Palladium Nanoparticles during the Desorption of Hydrogen According to X-Ray Diffraction. <i>JETP Letters</i> , 2019, 109, 594-599.	0.4	1
115	In Situ Time-Resolved Decomposition of H <sub>2</sub> -Hydride Phase in Palladium Nanoparticles Coated with Metal-Organic Framework. <i>Metals</i> , 2020, 10, 810.	1.0	1
116	Structural Changes in Five-Coordinate Bromido-bis(o-aminobenzo-semiquinonato)iron(III) Complex: Spin-Crossover or Ligand-Metal Antiferromagnetic Interactions?. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 756-762.	1.0	1
117	Quantitative Analysis of X-Ray Spectral Data for a Mixture of Compounds Using Machine-Learning Algorithms. <i>Journal of Surface Investigation</i> , 2021, 15, 495-501.	0.1	1
118	Local and electronic structure of tribological materials: XANES analysis. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012072.	0.3	0
119	Local Atomic and Electronic Structure of the Fe dopants in AlN:Fe Nanorods. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012112.	0.3	0
120	X-ray Absorption Spectroscopy and Coherent X-ray Diffraction Imaging for Time-Resolved Investigation of the Biological Complexes: Computer Modelling towards the XFEL Experiment. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012024.	0.3	0
121	Structural Deformations During Cycling of the Conversion Cathode Nanocomposite Based on FeF <sub>3</sub> . <i>Journal of Structural Chemistry</i> , 2018, 59, 1719-1725.	0.3	0
122	Synthesis of Palladium Nanoparticles on the Surface of Cerium(IV) Oxide under the Action of Ultraviolet Radiation and Their Characterization. <i>Nanotechnologies in Russia</i> , 2019, 14, 435-443.	0.7	0
123	Comprehensive Investigation of Some Ordinary Chondrites Based on X-Ray Methods and Mössbauer Spectroscopy. <i>Journal of Surface Investigation</i> , 2019, 13, 995-1004.	0.1	0
124	Theoretical Simulation of the Binding Energies and Stretching Frequencies of CO Molecules on PtSn Bimetallic Nanoparticles. <i>Journal of Surface Investigation</i> , 2020, 14, 440-446.	0.1	0
125	Application of Ligand Field Theory for Simulation of the Pre-Edge Structure of X-Ray Absorption Spectra of Amorphous Systems. <i>Journal of Surface Investigation</i> , 2021, 15, 1-6.	0.1	0
126	XAS Diagnostic of the Photoactive State in Co(II) Azobenzene Complex in Organic Solvents. <i>ChemistrySelect</i> , 2021, 6, 7087-7092.	0.7	0



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127	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. <i>Meteoritics and Planetary Science</i> , 2021, 56, 2191-2210.	0.7	0
129	Improvement of the EC Performance in LCP-MOF Electrode Materials by Succinic Anhydrate Addition to the Electrolyte. <i>Sustainability</i> , 2022, 14, 323.	1.6	0