Max Nickolsky

List of Publications by Year
in descending order

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54	637	567281 15	642732 23
papers	citations	h-index	g-index

54	54	54	669
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comment on â€œTolerance factor, phase stability and orderâ€“disorder of the pyrochlore structureâ€•by Z. Song and Q. Liu, Inorg. Chem. Front., 2020, 7, 1583. Inorganic Chemistry Frontiers, 2022, 9, 1031-1032.	6.0	1
2	The solubility of cooperite PtS(cr) at 25 â€“ 450ÂÂ°C, Psat â€“ 1000Âbar and hydrosulfide complexing of platinum in hydrothermal fluids. Chemical Geology, 2021, 559, 119968.	3.3	4
3	Nanoscale catalyst based on a heterometallic carboxylate complex of platinum and iron for hydrogen-air fuel cells. Materials Chemistry and Physics, 2021, 259, 123968.	4.0	3
4	Electron Backscattered Diffraction for the Study of Matrices for Immobilization of Actinides Composed of the Murataite-Type Phases. Crystallography Reports, 2021, 66, 130-141.	0.6	6
5	Behavior of implanted Xe, Kr and Ar in nanodiamonds and thin graphene stacks: experiment and modeling. Physical Chemistry Chemical Physics, 2021, 23, 21729-21737.	2.8	3
6	The Charge State of Pt in Binary Compounds and Synthetic Minerals Determined by X-ray Absorption Spectroscopy and Quantum Chemical Calculations. Minerals (Basel, Switzerland), 2021, 11, 79.	2.0	7
7	Noble Metal Speciations in Hydrothermal Sulphides. Minerals (Basel, Switzerland), 2021, 11, 488.	2.0	9
8	Formation and characterization of an Al-rich metastable phase in the Alâ€“B phase diagram. Journal of Applied Crystallography, 2021, 54, 1121-1126.	4.5	1
9	Study of Matrices for Immobilization of 99Tc by the EBSD Method. Doklady Earth Sciences, 2021, 500, 794-801.	0.7	2
10	Surface features on aged ²³⁸Pu-doped Eu-monazite. Radiochimica Acta, 2020, 108, 353-360.	1.2	5
11	Characterization of modified murataite based ceramics as a perspective hosts for actinides, fission, and corrosion products of HLW. Journal of Nuclear Materials, 2020, 529, 151958.	2.7	5
12	Probing the Local Atomic Structure of In and Cu in Sphalerite by XAS Spectroscopy Enhanced by Reverse Monte Carlo Algorithm. Minerals (Basel, Switzerland), 2020, 10, 841.	2.0	1
13	Thermodynamic Behaviors of Adsorbed Methane Storage Systems Based on Nanoporous Carbon Adsorbents Prepared from Coconut Shells. Nanomaterials, 2020, 10, 2243.	4.1	19
14	The State of Trace Elements (In, Cu, Ag) in Sphalerite Studied by X-Ray Absorption Spectroscopy of Synthetic Minerals. Minerals (Basel, Switzerland), 2020, 10, 640.	2.0	11
15	Study of mineral grains extracted from the Chernobyl â€œlavaâ€• Mineralogy and Petrology, 2020, 114, 489-499.	1.1	11
16	Intercalation of Porphyrinâ€Based SURMOF in Layered Eu(III) Hydroxide: An Approach Toward Symbimetic Hybrid Materials. Advanced Functional Materials, 2020, 30, 2000681.	14.9	19
17	Microstructure of Aged 238Pu-doped La-monazite Ceramic and Peculiarities of its X-ray Emission Spectra. MRS Advances, 2020, 5, 1-7.	0.9	7
18	Effect of Gamma Irradiation on Structural Features and Dissolution of Nuclear Waste Naâ€“Alâ€“P Glasses in Water. Sustainability, 2020, 12, 4137.	3.2	7

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19	Synthesis of Cobalt-Iron Chalcogenide Clusters as Precursors for Catalysts of Oxygen Electroreduction in Alkali Media. European Journal of Inorganic Chemistry, 2020, 2020, 2055-2062.	2.0	5
20	The state of Au and As in pyrite studied by X-ray absorption spectroscopy of natural minerals and synthetic phases. Ore Geology Reviews, 2020, 121, 103475.	2.7	23
21	X-ray absorption spectroscopy study of the chemistry of Â«invisibleÂ» Au in arsenian pyrites. E3S Web of Conferences, 2019, 98, 05007.	0.5	1
22	Substitution mechanisms in In-, Au-, and Cu-bearing sphalerites studied by X-ray absorption spectroscopy of synthetic compounds and natural minerals. Mineralogical Magazine, 2019, 83, 435-451.	1.4	21
23	Platinum transport in chloride-bearing fluids and melts: Insights from in situ X-ray absorption spectroscopy and thermodynamic modeling. Geochimica Et Cosmochimica Acta, 2019, 254, 86-101.	3.9	24
24	Supramolecular Organogels Based on N-Benzyl, Nâ€²-Acylbispidinols. Nanomaterials, 2019, 9, 89.	4.1	11
25	Phase formation at synthesis of murataite-crichtonite ceramics. Journal of Nuclear Materials, 2019, 517, 371-379.	2.7	8
26	The State of Platinum in Pyrite Studied by X-Ray Absorption Spectroscopy of Synthetic Crystals. Economic Geology, 2019, 114, 1649-1663.	3.8	13
27	Gold Transport in Hydrothermal Chloride-Bearing Fluids: Insights from in Situ X-ray Absorption Spectroscopy and ab Initio Molecular Dynamics. ACS Earth and Space Chemistry, 2019, 3, 240-261.	2.7	19
28	New route for synthesis of Synroc-like ceramic using non-selective sorbent LHT-9. MRS Advances, 2018, 3, 1111-1116.	0.9	5
29	Understanding Self-Assembly of Porphyrin-Based SURMOFs: How Layered Minerals Can Be Useful. Langmuir, 2018, 34, 5184-5192.	3.5	21
30	Ion implantation in nanodiamonds: size effect and energy dependence. Scientific Reports, 2018, 8, 5099.	3.3	25
31	Forensic study of early stages of the Chernobyl accident: Story of three hot particles. Journal of Nuclear Materials, 2018, 511, 83-90.	2.7	9
32	On the carrier phase of the â€œplanetaryâ€•noble gases: <scp>TEM</scp>, Raman, and stepped combustion data for acidâ€•resistant residues from the Saratov (L4) meteorite. Meteoritics and Planetary Science, 2018, 53, 2343-2356.	1.6	4
33	X-ray spectroscopy study of the chemical state of â€œinvisibleâ€•Au in synthetic minerals in the Fe-As-S system. American Mineralogist, 2017, 102, .	1.9	10
34	Layer-by-layer assembly of porphyrin-based metalâ€“organic frameworks on solids decorated with graphene oxide. New Journal of Chemistry, 2017, 41, 948-957.	2.8	31
35	Experimental determination of gold speciation in sulfide-rich hydrothermal fluids under a wide range of redox conditions. Chemical Geology, 2017, 471, 52-64.	3.3	33
36	Single-crystal Fe-bearing sphalerite: synthesis, lattice parameter, thermal expansion coefficient and microhardness. Physics and Chemistry of Minerals, 2017, 44, 287-296.	0.8	8

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37	A note on the distortion theorem. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 874-878.	1.1	0
38	Structural peculiarities of aged 238Pu-doped monazite. MRS Advances, 2016, 1, 4275-4281.	0.9	5
39	Covellite CuS as a matrix for â€œinvisibleâ€•gold: X-ray spectroscopic study of the chemical state of Cu and Au in synthetic minerals. Geochimica Et Cosmochimica Acta, 2016, 191, 58-69.	3.9	25
40	Physico-chemical properties of Chernobyl lava and their destruction products. Progress in Nuclear Energy, 2016, 92, 104-118.	2.9	32
41	Phase distribution of uranium in matrices for immobilization of the rare earthâ€“actinide fraction of high-level waste. Radiochemistry, 2015, 57, 640-651.	0.7	8
42	Matrices for immobilization of the rare earthâ€“actinide waste fraction, synthesized by cold crucible induction melting. Radiochemistry, 2015, 57, 321-333.	0.7	19
43	Potential matrices for immobilization of the rare earth-actinide fraction of high-level waste in the REE2Zr2O7-REE2Ti2O7 system. Radiochemistry, 2015, 57, 187-199.	0.7	10
44	Predicting the lattice constants of the ternary pyrochloresA₂B₂O₆Oâ€². Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 235-240.	1.1	6
45	Self-propagating high-temperature synthesis and characteristics of cermet matrices for isolation of wastes with long-lived radionuclides. Radiochemistry, 2012, 54, 511-515.	0.7	7
46	Geochemical conditions for the isolation of the long-lived radioisotope technetium-99. Geochemistry International, 2011, 49, 953-966.	0.7	2
47	Ab initio determination of heavy oxide perovskite related structures from precession electron diffraction data. Ultramicroscopy, 2007, 107, 445-452.	1.9	26
48	Precession technique and electron diffractometry as new tools for crystal structure analysis and chemical bonding determination. Ultramicroscopy, 2007, 107, 431-444.	1.9	82
49	New Instrumentation for TEM Electron Diffraction Structure Analysis: Electron Diffractometry Combined with Beam Precession. , 2006, , 169-183.		2
50	Imaging plates â€“ a new life for electron diffraction structure analysis. Zeitschrift Fur Kristallographie - Crystalline Materials, 2004, 219, 224-226.	0.8	9
51	TexPat â€“ a program for quantitative analysis of oblique texture electron diffraction patterns. Zeitschrift Fur Kristallographie - Crystalline Materials, 2004, 219, 12-19.	0.8	5
52	Comparison of intensities from glass photo plates and imaging plates. Acta Crystallographica Section A: Foundations and Advances, 2004, 60, s191-s191.	0.3	0
53	Minerals - a special area of electron diffraction structure analysis. Zeitschrift Fur Kristallographie - Crystalline Materials, 2003, 218, 316-319.	0.8	5
54	Combination of electron diffractometry, imaging plates (IP) and electron diffraction structure analysis (EDSA). Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c173-c173.	0.3	2