

Mikhail V Kuznetsov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115 papers	1,098 citations	16 h-index	28 g-index
119 ext. papers	1,216 ext. citations	2 avg, IF	3.85 L-index

#	Paper	IF	Citations
115	On the energy transfer in LiMgPO ₄ doped with rare-earth elements. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 11272-11283	7.1	2
114	The Effect of the Lithium Borate Surface Layer on the Electrochemical Properties of the Lithium-Ion Battery Positive Electrode Material LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ . <i>Russian Journal of Electrochemistry</i> , 2021 , 57, 1055-1069	1.2	
113	Morphology and Magnetic Properties of Hollow Co ₃ O ₄ Spheres. <i>Physics of the Solid State</i> , 2020 , 62, 2332-2339	2.8	2
112	Silicon-Reduced Graphene Oxide Composite as Negative Electrode of Li-Ion Batteries. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 1940-1946	0.8	
111	Enhanced surface sensitivity of X-ray photoelectron holography through the example of Bi ₂ Te ₃ (1 1 1) surface. <i>Applied Surface Science</i> , 2020 , 505, 144531	6.7	
110	Physicochemical Studies of Al _{0.5} Cu Alloy Powder and Material on Its Basis Produced under Nonoptimal Conditions of 3D Printing. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2020 , 56, 693-699	0.9	0
109	Structure and Photoelectric Properties of PbSe Films Deposited in the Presence of Ascorbic Acid. <i>Semiconductors</i> , 2020 , 54, 1191-1197	0.7	
108	Composition, Structure, and Semiconductor Properties of Chemically Deposited SnSe Films. <i>Semiconductors</i> , 2019 , 53, 853-859	0.7	2
107	Photocatalytic Properties of Hollow BiFeO ₃ Spheres. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1136-1141	1.81	1
106	Decoding the structure of interfaces and impurities in 2D materials by photoelectron holography. <i>2D Materials</i> , 2019 , 6, 045046	5.9	4
105	Oxygen surface exchange and diffusion in mayenite single crystal. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 24740-24748	3.6	2
104	Electron-phonon coupling in graphene placed between magnetic Li and Si layers on cobalt. <i>Physical Review B</i> , 2018 , 97,	3.3	12
103	Photoinduced Oxidation of a Surface of CaV _{0.5} Mo _{0.5} O ₃ . <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 195-199	0.7	1
102	Effect of Silver Nanoparticles on the Sorption Characteristics of La _{1-x} Ag _x MnO ₃ . <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 516-521	0.7	0
101	Native and graphene-coated flat and stepped surfaces of TiC. <i>Carbon</i> , 2018 , 132, 656-666	10.4	8
100	Structural, Magnetic, and XPS Studies of the Double-Perovskite Mn ₂ VSbO ₆ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2018 , 31, 2907-2914	1.5	3
99	Photoelectron Diffraction and Holography Studies of 2D Materials and Interfaces. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 061005	1.5	11

98	Colloidal branched CdSe/CdS nanospiders with 2D/1D heterostructure. <i>Nanotechnology</i> , 2018 , 29, 395604	0.4	3
97	Thermal and Thermo-Oxidative Destruction of Poly(Ethylene Terephthalate) Modified with Formulation Based on Polyfluorinated Alcohol. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 412-416	0.8	1
96	Physicochemical characterization and antioxidant properties of cerium oxide nanoparticles. <i>Journal of Physics: Conference Series</i> , 2018 , 1115, 032094	0.3	6
95	Site- and spin-dependent coupling at the highly ordered h-BN/Co(0001) interface. <i>Physical Review B</i> , 2018 , 98,	3.3	10
94	Anion-Substituted Garnets $\text{Ca}_3\text{Mn}_2\text{[(Ni, Co)}_x\text{V}_y\text{Ge}_3\text{]}_2\text{O}_{12}$ ($x = 0, 1$; $y = 0, 1, 2$): Preparation and Characterization. <i>Russian Journal of Inorganic Chemistry</i> , 2018 , 63, 1268-1273	1.5	
93	Effects of Ar^+ etching of $\text{Cu}_2\text{ZnSnSe}_4$ thin films: An x-ray photoelectron spectroscopy and photoluminescence study. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018 , 36, 061208	1.3	4
92	Influence of the Conditions of the Chemical Bath Deposition of Thin ZnSe Films on Their Morphology and Internal Mechanical Stresses. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 1528-1537	0.8	3
91	Copper(I) Selenide Thin Films: Composition, Morphology, Structure, and Optical Properties. <i>Semiconductors</i> , 2018 , 52, 1334-1340	0.7	3
90	Chemical sensors based on a hydrochemically deposited lead sulfide film for the determination of lead in aqueous solutions. <i>Journal of Analytical Chemistry</i> , 2017 , 72, 327-332	1.1	11
89	Observation of hidden atomic order at the interface between Fe and topological insulator BiTe. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 30520-30532	3.6	5
88	Substituted bismuth vanadates and chromates: New aspects. <i>Russian Journal of Inorganic Chemistry</i> , 2017 , 62, 1441-1449	1.5	1
87	Electronic structure and inner-shell excited luminescence in gadolinium molybdate single crystals. <i>Journal of Surface Investigation</i> , 2016 , 10, 205-209	0.5	
86	Large-Scale Sublattice Asymmetry in Pure and Boron-Doped Graphene. <i>Nano Letters</i> , 2016 , 16, 4535-43	11.5	41
85	Surface Magnetism of Cobalt-Doped Anatase TiO_2 Nanopowders. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 28857-28866	3.8	19
84	Deposition conditions, composition, and structure of chemically deposited In_2Se_3 films. <i>Russian Journal of Inorganic Chemistry</i> , 2016 , 61, 488-495	1.5	4
83	Synthesis, structure and spectroscopic characteristics of $\text{Ti}(\text{O,C})_2$ /carbon nanostructured globules with visible light photocatalytic activity. <i>Bulletin of Materials Science</i> , 2016 , 39, 1569-1579	1.7	5
82	Molecular dynamics simulations of defect formation in thin graphite films using the density functional tight-binding method. <i>Journal of Structural Chemistry</i> , 2016 , 57, 808-811	0.9	2
81	Observation of ferromagnetism at room temperature in polycrystalline $\text{Zn}_{1-x}\text{Fe}_x\text{O}$ solid solutions synthesized by the precursor method. <i>Physics of the Solid State</i> , 2015 , 57, 1079-1088	0.8	3

80	Incubation of PbSe Thin Films in a Tin(II) Salt Aqueous Solution: Modification and Ion-Exchange Reactions. <i>Journal of Materials Science and Technology</i> , 2015 , 31, 790-797	9.1	10
79	Thermal oxidation of the surface of binary aluminum alloys with rare-earth metals. <i>Russian Journal of Physical Chemistry A</i> , 2015 , 89, 852-856	0.7	3
78	Atomic structure of Bi ₂ Se ₃ and Bi ₂ Te ₃ (111) surfaces probed by photoelectron diffraction and holography. <i>Physical Review B</i> , 2015 , 91,	3.3	23
77	XPS study of MxTi _{0.91} V _{0.09} O ₂ + nH ₂ O (M = Co, Fe) nanoscale oxides. <i>Mendeleev Communications</i> , 2014 , 24, 17-19	1.9	2
76	X-Ray photoelectron diffraction and photoelectron holography as methods for investigating the local atomic structure of the surface of solids. <i>Russian Chemical Reviews</i> , 2014 , 83, 13-37	6.8	9
75	Structure and composition of chemically deposited In ₂ S ₃ thin films. <i>Journal of Surface Investigation</i> , 2014 , 8, 659-665	0.5	2
74	X-ray photoelectron spectra and composition of YBa ₂ Cu ₃ O ₇ δ films prepared by laser ablation. <i>Physics of the Solid State</i> , 2014 , 56, 659-665	0.8	2
73	Carbon deposition from aromatic solvents onto active intact 3d metal surface at ambient conditions. <i>Langmuir</i> , 2014 , 30, 3243-53	4	22
72	Observing of Ti, Cr and Mn 2p-3d resonance in valence band of titanium dichalcogenides. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 102004	0.3	1
71	Synthesis and native defectivity of Zn _{1-x} V _x O (0 \leq x \leq 0.03) photocatalysts. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013 , 77, 305-308	0.4	1
70	Investigating the surface of particles of ultradispersed copper powders obtained by gas-phase condensation. <i>Russian Journal of Non-Ferrous Metals</i> , 2013 , 54, 85-92	0.8	1
69	Fluctuation of surface composition and chemical states at the hetero-interface in composites comprised of a phase with perovskite structure and a phase related to the Ruddlesden-Popper family of compounds. <i>RSC Advances</i> , 2013 , 3, 14114	3.7	16
68	Investigation of a stainless-steel surface irradiated with protons in an iodine medium. <i>Journal of Surface Investigation</i> , 2013 , 7, 322-327	0.5	2
67	Crystal structure and chemical composition of titanium oxide nanopowders. <i>Nanotechnologies in Russia</i> , 2013 , 8, 482-488	0.6	2
66	Surface activity of barium and its effect on the reactivity of aluminum-based powder. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2013 , 49, 712-716	0.9	2
65	Atomic structure of a 1T-TiSe ₂ surface layer from photoelectron and Auger electron holography data. <i>JETP Letters</i> , 2012 , 95, 372-379	1.2	2
64	X-ray photoelectron spectroscopy of ceramic composites Bi,Pb-2223/Ag annealed in an atmosphere with a reduced content of oxygen (7.5% O ₂ + 92.5% N ₂). <i>Physics of Metals and Metallography</i> , 2012 , 113, 365-371	1.2	1
63	Oxygen atomic displacement waves in the lattice of the Bi,Pb-2223 phase composite annealed in an atmosphere with a low oxygen (O ₂ + N ₂) content. <i>Physics of the Solid State</i> , 2012 , 54, 248-254	0.8	1

62	Composition and submicron structure of chemically deposited Cu ₂ Se-In ₂ Se ₃ films. <i>Technical Physics Letters</i> , 2012 , 38, 290-293	0.7	3
61	MxTiSe ₂ (M=Cr, Mn, Cu) electronic structure study by methods of resonance X-ray photoemission spectroscopy and X-ray absorption spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , 2012 , 73, 1562-1565	3.9	4
60	Characterization of 1T-TiSe ₂ surface by means of STM and XPD experiments and model calculations. <i>Surface Science</i> , 2012 , 606, 1760-1770	1.8	19
59	Segregation of calcium on the surface of aluminum-based powders and its effect on oxidation kinetics. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2012 , 48, 631-635	0.9	3
58	Synthesis and structure of quasi-one-dimensional zinc oxide doped with manganese. <i>Russian Journal of Inorganic Chemistry</i> , 2012 , 57, 72-78	1.5	11
57	X-ray photoelectron spectra of magnetite nanopowders after chromium(VI) sorption from aqueous solutions. <i>Inorganic Materials</i> , 2012 , 48, 169-175	0.9	9
56	A photoelectron spectroscopy study of the electronic structure evolution in CuInSe ₂ -related compounds at changing copper content. <i>Applied Physics Letters</i> , 2012 , 101, 111607	3.4	11
55	Sorbents based on modified polysiloxanes. <i>Inorganic Materials</i> , 2011 , 47, 435-441	0.9	15
54	Diffusion of insoluble carbon in zirconium oxides. <i>JETP Letters</i> , 2011 , 93, 5-9	1.2	5
53	Crystal structure and magnetic properties of double perovskite Mn ₂ FeSbO ₆ . <i>Materials Research Bulletin</i> , 2011 , 46, 1247-1251	5.1	19
52	Possibilities of using composite track membranes with nitride coating for fractionation of microelements in natural water. <i>Radiochemistry</i> , 2011 , 53, 103-109	0.9	3
51	Production of semicokes with increased content of nitrogen by cocarbonization of various cakes with polyacrylonitrile. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 2088-2092	0.8	1
50	Charge state of copper ions in the YBa ₂ Cu ₃ O _{6.8} single crystal (1.5 at % Ce): X-ray photoelectron and absorption studies. <i>Physics of Metals and Metallography</i> , 2011 , 111, 361-366	1.2	2
49	XPS study of nanorods of doped vanadium oxide M x V ₂ O ₅ · nH ₂ O (M = Na, K, Rb, Cs). <i>Russian Journal of Inorganic Chemistry</i> , 2011 , 56, 267-272	1.5	5
48	Synthesis and properties of (VO) _{0.09} V _{0.18} Mo _{0.82} O ₃ · 0.54H ₂ O microrods. <i>Russian Journal of Inorganic Chemistry</i> , 2011 , 56, 1858-1863	1.5	
47	X-ray photoelectron spectroscopy of ultradispersed copper alloy powder surface after processing by fluorinated polyethers. <i>Journal of Surface Investigation</i> , 2011 , 5, 447-453	0.5	2
46	On the nature of state with a charge-density wave in TiSe ₂ from data of scanning tunneling microscopy. <i>Physics of the Solid State</i> , 2011 , 53, 1073-1077	0.8	3
45	²³ Na NMR in binary lithium-sodium cobaltite. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011 , 75, 1157-1159	0.4	1

44	X-ray photoelectron spectroscopy of a complicated ceramic oxide of the system $\text{BeO}-\text{TiO}_2$. <i>Glass and Ceramics (English Translation of Steklo i Keramika)</i> , 2011 , 67, 322-327	0.6	1
43	Oxide nanostructures on a Nb surface and related systems: experiments and ab initio calculations. <i>Physics-Uspekhi</i> , 2011 , 53, 995-1014	2.8	6
42	Scanning tunneling microscopy (STM) of low-dimensional NbO structures on the Nb(110) surface. <i>Physics of Metals and Metallography</i> , 2010 , 110, 531-541	1.2	6
41	Effect of Radiation Defects on the Electronic Structure of Zircon by X-Ray Photoelectron Spectroscopy Data. <i>Journal of Structural Chemistry</i> , 2010 , 51, 657-662	0.9	8
40	Atomic Defects on the Surface of Quasi Two-Dimensional Layered Titanium Dichalcogenides: Stm Experiment and Quantum Chemical Simulation. <i>Journal of Structural Chemistry</i> , 2010 , 51, 737-743	0.9	6
39	Synthesis under usual conditions, X-ray photoelectron spectroscopy and magnetic properties of $\text{Re}_{1-x}\text{Mn}_x\text{O}_2$ oxides with rutile structure. <i>Materials Chemistry and Physics</i> , 2010 , 124, 946-951	4.4	8
38	X-ray photoelectron spectroscopy analysis of electronic states in the oxide layer on an ultradisperse copper surface. <i>Journal of Applied Spectroscopy</i> , 2009 , 76, 523-527	0.7	6
37	Photoelectron spectroscopy and diffraction of surface nanoscale NbO/Nb(110) structures. <i>Journal of Structural Chemistry</i> , 2009 , 50, 514-521	0.9	25
36	Nature of heavy-atom disordering in the $\text{YBa}_2\text{Cu}_3\text{O}_{6.8}$ (1.5 at % Ce) single crystal: X-ray photoelectron spectroscopy. <i>Physics of Metals and Metallography</i> , 2009 , 108, 569-578	1.2	11
35	Investigation of TiC-C coatings by X-ray photoelectron spectroscopy. <i>Journal of Surface Investigation</i> , 2009 , 3, 331-337	0.5	10
34	Structural, vibrational, electronic, and luminescence properties of the cyclotetranavanadates $\text{A}_2\text{M}(\text{VO}_3)_4$ (A=Na,Ag; M=Ca,Sr). <i>Physical Review B</i> , 2008 , 77,	3.3	17
33	Kinetics of radiation-induced carbonization of poly(vinylidene fluoride) film surface. <i>Polymer Degradation and Stability</i> , 2008 , 93, 1952-1955	4.7	16
32	Photoelectron spectroscopy and diffraction of NbO _x /Nb(110) surface. <i>Physics of Metals and Metallography</i> , 2008 , 106, 56-66	1.2	8
31	Sodium-doped vanadium oxide nanorods. <i>Russian Journal of Inorganic Chemistry</i> , 2008 , 53, 854-857	1.5	2
30	MoO ₃ nanorods. <i>Russian Journal of Inorganic Chemistry</i> , 2008 , 53, 1686-1690	1.5	3
29	Surface quasi-ordered nanostructures NbO _x /Nb(110): investigation by surface analysis methods. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008 , 72, 1318-1322	0.4	2
28	Valence state of atoms in the perovskite-like phase $\text{Sr}_x\text{Cu}_3\text{V}_4\text{O}_{12}$ ($x = 0.67-1.0$) and its properties. <i>Inorganic Materials</i> , 2007 , 43, 660-665	0.9	6
27	Ion state of atoms and the properties of perovskite-like compound $\text{CaCu}_3\text{V}_4\text{O}_{12}$. <i>Russian Journal of Inorganic Chemistry</i> , 2007 , 52, 329-333	1.5	13

26	Investigation of quasicrystalline Al _{62.5} Cu ₂₅ Fe _{12.5} and crystalline Al ₅₀ Cu ₃₃ Fe ₁₇ alloys by X-ray photoelectron spectroscopy. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007 , 71, 628-631	0.4	1
25	First-principles study of deformation behavior and structural defects in CuInSe ₂ and Cu(In,Ga)Se ₂ . <i>Physical Review B</i> , 2006 , 73,	3.3	22
24	Chemical interactions in the cathode half-cell of lithium-ion batteries. <i>Journal of Power Sources</i> , 2006 , 157, 477-482	8.9	10
23	Effects of atomic relaxation and the electronic structure of niobium (100) and (110) surfaces. <i>Physics of Metals and Metallography</i> , 2006 , 102, 604-610	1.2	12
22	Titanium-doped vanadium oxide nanorods. <i>Russian Journal of Inorganic Chemistry</i> , 2006 , 51, 847-851	1.5	5
21	Nanocomposites of V _{1.67} M _{0.33} O ₅ ·nH ₂ O (M = Ti or Mo) xerogels intercalated with hydroquinone and poly(vinyl alcohol). <i>Russian Journal of Inorganic Chemistry</i> , 2006 , 51, 1339-1344	1.5	2
20	Structural, luminescence, and electronic properties of the alkaline metal-strontium cyclotetranadates M ₂ Sr(VO ₃) ₄ , (M=Na, K, Rb, Cs). <i>Physical Review B</i> , 2005 , 72,	3.3	22
19	XPS and XPD investigation of (112) CuInSe ₂ and Cu(InGa)Se ₂ surfaces. <i>Thin Solid Films</i> , 2004 , 451-452, 137-140	2.2	4
18	X-ray Photoelectron Spectroscopy of the Surface of Solid Electrolyte La _{0.88} Sr _{0.12} Ga _{0.82} Mg _{0.18} O ₃ . <i>Russian Journal of Electrochemistry</i> , 2003 , 39, 591-599	1.2	18
17	X-Ray Photoelectron Diffraction. Possibilities of Surface Structural Analysis. <i>Journal of Structural Chemistry</i> , 2003 , 44, 465-498	0.9	7
16	Evolution of CuInSe ₂ (112) surface due to annealing: XPS study. <i>Surface Science</i> , 2003 , 530, L297-L301	1.8	8
15	Mechanisms of Ag penetration into the ceramics of Ag/Bi-2223 ribbon composites. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 371, 243-257	1.3	3
14	Synthesis, Structure, and Properties of Ammonium Polyvanadomolybdate Xerogels. <i>Inorganic Materials</i> , 2001 , 37, 408-412	0.9	4
13	Synthesis and properties of Pb _{1-x} V _x O _{2-x} (OH) _x solid solutions. <i>Inorganic Materials</i> , 2000 , 36, 49-53	0.9	0
12	Metastable phase diagram of TiSi ₂ (O) films (CSi). <i>Thin Solid Films</i> , 1999 , 339, 129-136	2.2	26
11	Adsorption of carbon monoxide on Ti(0001). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998 , 96, 29-36	1.7	16
10	Electronic properties of Ti ₃ SiC ₂ -based solid solutions. <i>Physical Review B</i> , 1998 , 58, 16042-16050	3.3	124
9	XPS AND XPD ANALYSIS OF NITROGEN ADSORPTION ON THE Ti(0001) SURFACE. <i>Surface Review and Letters</i> , 1997 , 04, 1309-1314	1.1	7

8	Metastable TiSi _x NyOz films of B1-type structure prepared by the arc process. <i>Thin Solid Films</i> , 1996 , 279, 75-81	2.2	6
7	Structure of epitaxial TiN films deposited by cathode reactive sputtering. <i>Thin Solid Films</i> , 1995 , 261, 64-69	2.2	7
6	Cubic Solid-solution Ti _x Si _y N _z (O) Films: Synthesis, Structure and Electronic Properties. <i>Mendeleev Communications</i> , 1995 , 5, 94-96	1.9	3
5	XPS study of catalytic compounds H ₂ V ₁₂ Me _x O ₃₁ ·nH ₂ O (Me: Mo, Cr). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1994 , 68, 579-588	1.7	9
4	Influence of the deposition parameters on the composition, structure and X-ray photoelectron spectroscopy spectra of TiN films. <i>Thin Solid Films</i> , 1992 , 215, 1-7	2.2	31
3	XPS study of the nitrides, oxides and oxynitrides of titanium. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1992 , 58, 1-9	1.7	68
2	XPS analysis of adsorption of oxygen molecules on the surface of Ti and TiN _x films in vacuum. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1992 , 58, 169-176	1.7	135
1	Formation of a TiN _x protective layer by nitrogen ion implantation into titanium. <i>Vacuum</i> , 1991 , 42, 731-734	2.2	9