

# Valentina I Voronkova

## List of Publications by Year in descending order

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80  
papers

682  
citations

623574

14  
h-index

713332

21  
g-index

80  
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80  
docs citations

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times ranked

455  
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#	ARTICLE	IF	CITATIONS
1	Refinement of Bi <sub>2</sub> WO <sub>6</sub> and Bi <sub>2</sub> MoO <sub>6</sub> polymorphism. Journal of Alloys and Compounds, 2009, 487, 274-279.	2.8	45
2	Oxygen ion and electron conductivity in fluorite-like molybdates Nd <sub>5</sub> Mo <sub>3</sub> O <sub>16</sub> and Pr <sub>5</sub> Mo <sub>3</sub> O <sub>16</sub> . Journal of Alloys and Compounds, 2014, 615, 395-400.	2.8	38
3	Complex Effect of Partial Substitution of La <sup>3+</sup> by Ca <sup>2+</sup> on the Stability of Fast Oxide-ion Conductor La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> . European Journal of Inorganic Chemistry, 2008, 2008, 1813-1821.	1.0	31
4	Thermomechanical detwinning of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> single crystals under reduced oxygen partial pressure. Physica C: Superconductivity and Its Applications, 1993, 218, 175-180.	0.6	28
5	Chemical shifts of atomic core levels and structure of K <sub>1-x</sub> Ti <sub>x</sub> Sb <sub>x</sub> OPO <sub>4</sub> , x=0-0.23, solid solutions. Journal of Solid State Chemistry, 2006, 179, 2349-2355.	1.4	28
6	Phase transitions and electrical conductivity of Bi-doped La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> oxide ion conductors. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2564-2568.	0.8	26
7	Specific features of phase transitions and the conduction of La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> oxide-ion conducting compound doped with vanadium. Crystallography Reports, 2010, 55, 276-282.	0.1	21
8	Detailed magnetic-relaxation measurements of (Y, Tm) Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> crystals. Implications for the H-T diagram. Physica C: Superconductivity and Its Applications, 1994, 230, 1-8.	0.6	19
9	Temperature dependences of the first critical field and critical current in the untwinned TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> superconducting single crystals. Physica C: Superconductivity and Its Applications, 1990, 166, 185-190.	0.6	18
10	Synthesis and electrical properties of a new fluorite-like anionic conductor in the Nd <sub>2</sub> O <sub>3</sub> -MoO <sub>3</sub> system (43-47mol% Nd <sub>2</sub> O <sub>3</sub> ). Solid State Ionics, 2012, 225, 654-657.	1.3	18
11	Observation of surface Mandelstamm-Brillouin light scattering spectra in high-temperature superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> and La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4-<math>\delta</math></sub> single crystals and surface wave velocity determination. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 142, 307-310.	0.9	17
12	The relaxation of the monodomain TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> single crystal magnetization in the superconducting state. Physica C: Superconductivity and Its Applications, 1990, 165, 62-66.	0.6	16
13	Oxygen-conducting crystals of La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> : Growth and main properties. Crystallography Reports, 2005, 50, 874-876.	0.1	16
14	Flux growth and characteristics of some ferroelectric and related crystals. Journal of Crystal Growth, 1981, 52, 654-659.	0.7	15
15	Peak-effect, scaling behavior and voltage-current characteristics for TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> single crystal. Journal of Alloys and Compounds, 1993, 195, 479-482.	2.8	15
16	Structure of fluorite-like compound based on Nd <sub>5</sub> Mo <sub>3</sub> O <sub>16</sub> with lead partly substituting for neodymium. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 186-193.	0.5	15
17	Phase Relations and Physical Properties of Layered Pb-containing Nd <sub>2</sub> MoO <sub>6</sub> Compounds. European Journal of Inorganic Chemistry, 2016, 2016, 1022-1029.	1.0	14
18	The full Meissner effect in the untwinned TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> single crystal. Solid State Communications, 1990, 74, 1295-1297.	0.9	12

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19	Crystal growth and physical properties of Cs <sub>2</sub> Nb <sub>4</sub> O <sub>11</sub> and Rb <sub>2</sub> Nb <sub>4</sub> O <sub>11</sub> single crystals. Journal of Crystal Growth, 2002, 237-239, 703-706.	0.7	12
20	Extending the family of oxygen ion conductors isostructural with La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> . Journal of Solid State Chemistry, 2012, 196, 45-51.	1.4	12
21	Synthesis and Unusual Properties of Tetragonal Pb-Containing Oxymolybdates Based on La <sub>2</sub> Mo <sub>6</sub> O <sub>16</sub> . European Journal of Inorganic Chemistry, 2017, 2017, 5582-5587.	1.0	12
22	Ca-doped fluorite-like compounds based on Nd <sub>5</sub> Mo <sub>3</sub> O <sub>16</sub> . Journal of Alloys and Compounds, 2016, 673, 314-320.	2.8	11
23	Phase formation and electrical properties of Bi <sub>2</sub> O <sub>3</sub> -based compounds in the Bi <sub>2</sub> O <sub>3</sub> -La <sub>2</sub> O <sub>3</sub> -MoO <sub>3</sub> system. Solid State Ionics, 2017, 302, 158-164.	1.3	11
24	Elastic coefficients of KTiOPO <sub>4</sub> , RbTiOPO <sub>4</sub> , TlTiOPO <sub>4</sub> crystals determined from Mandelstamm-Brillouin light scattering spectra. Solid State Communications, 1989, 69, 877-881.	0.9	10
25	Crystal structure of R <sub>10</sub> Mo <sub>6</sub> O <sub>33</sub> (R = Nd, Pr) from 3 K to 973 K by neutron powder diffraction. Solid State Ionics, 2016, 288, 303-306.	1.3	10
26	Fluorite-like compounds with high anionic conductivity in Nd <sub>2</sub> Mo <sub>6</sub> O <sub>16</sub> –Bi <sub>2</sub> O <sub>3</sub> system. International Journal of Hydrogen Energy, 2016, 41, 10053-10059.	3.8	9
27	Stabilized Bi <sub>2</sub> O <sub>3</sub> -based phases in the Bi <sub>2</sub> O <sub>3</sub> –Pr <sub>2</sub> O <sub>3</sub> –MoO <sub>3</sub> system and their electrical properties. Ceramics International, 2018, 44, 12886-12895.	2.3	9
28	Synthesis, structure and properties of layered Pr <sub>2</sub> Mo <sub>6</sub> O <sub>16</sub> -based oxymolybdates doped with Mg. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 492-501.	0.5	9
29	Temperature dependences of lower critical fields in TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> single-crystals. Physica C: Superconductivity and Its Applications, 1989, 162-164, 1611-1612.	0.6	8
30	First critical fields, critical currents and flux creep of TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> and YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> superconducting single crystals. Journal of Magnetism and Magnetic Materials, 1990, 90-91, 611-614.	1.0	8
31	Bi-based superconductors and their surface wave velocities. Solid State Communications, 1990, 76, 685-689.	0.9	8
32	Correlation between magnetisation and flux creep in (Re)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> (Re = Y, Tm). Physica B: Condensed Matter, 1994, 194-196, 1921-1922.	1.3	7
33	Polymorphism and properties of Bi <sub>2</sub> W <sub>1-x</sub> Mo <sub>x</sub> O <sub>6</sub> aurivillius phases. Inorganic Materials, 2011, 47, 183-191.	0.2	7
34	Synthesis and properties of oxide ion conductor Pr <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> with La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> structure. Crystallography Reports, 2011, 56, 1066-1069.	0.1	7
35	Synthesis and electrophysical properties of some rare-earth molybdates with fluorite-like structure of the Nd <sub>5</sub> Mo <sub>3</sub> O <sub>16</sub> type. Crystallography Reports, 2017, 62, 469-473.	0.1	7
36	Effect of Sodium and Fluorine Co-Doping on the Properties of Fluorite-Like Rare-Earth Molybdates of Nd <sub>5</sub> Mo <sub>3</sub> O <sub>16</sub> Type. European Journal of Inorganic Chemistry, 2019, 2019, 1250-1256.	1.0	7

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37	Polymorphism and conductivity of Bi <sub>2</sub> O <sub>3</sub> -based fluorite-like compounds in Bi <sub>2</sub> O <sub>3</sub> -Nd <sub>2</sub> O <sub>3</sub> -MoO <sub>3</sub> system. Journal of Alloys and Compounds, 2019, 787, 452-462.	2.8	7
38	Fluorite-like Li <sub>x</sub> Ln <sub>5</sub> Mo <sub>3</sub> O <sub>16.5</sub> (Ln=Ala, Pr, Nd) compounds isostructural with Nd <sub>5</sub> Mo <sub>3</sub> O <sub>16</sub> . Journal of the American Ceramic Society, 2020, 103, 6414-6423.	1.9	7
39	Mechanism of Conductivity in the Rare Earth Layered Ln <sub>2</sub> Mo <sub>6</sub> (Ln = La, Pr,) Tj ETQq1 1 0.784314 rgBT /Over	1.5	7
40	Anisotropy of Rayleigh wave velocity of TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-y</sub> single crystals. Solid State Communications, 1990, 74, 749-752.	0.9	6
41	The influence of oxygen stoichiometry on intrinsic parameters and vortex pinning in ReBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> (0 ≤ δ ≤ 0.1) Tj ETQq1 1 0.784314 rgBT /Over	0.6	6
42	Growth, structure, and properties of KTiOPO <sub>4</sub> crystals doped with iron. Crystallography Reports, 2006, 51, 977-981.	0.1	6
43	Determination of rayleigh wave velocities in high T <sub>c</sub> superconducting RBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-y</sub> (R = Nd, Sm, Eu,) Tj ETQq1 1 0.784314 rgBT /Over	0.9	5
44	Synthesis and electrical properties of Aurivillius phases in the Bi <sub>2</sub> MoO <sub>6</sub> -Bi <sub>2</sub> VO <sub>5.5</sub> system. Crystallography Reports, 2007, 52, 316-319.	0.1	5
45	Structure and magnetism in hexagonal tungsten bronze metal oxides AM <sub>1/3</sub> W <sub>8/3</sub> O <sub>9</sub> (A=K, Rb, Cs; M=Cr,) Tj ETQq1 1 0.784314 rgBT /Over	1.3	5
46	Synthesis, structure, and physical properties of layered tetragonal Mg-doped Nd <sub>2</sub> MoO <sub>6</sub> compounds. Journal of Alloys and Compounds, 2019, 803, 1045-1053.	2.8	5
47	Single-domain crystals of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-y</sub> and TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-y</sub> . Physica C: Superconductivity and Its Applications, 1989, 162-164, 1211-1212.	0.6	4
48	Polymorphism and properties of Bi <sub>2</sub> WO <sub>6</sub> doped with pentavalent antimony. Journal of Alloys and Compounds, 2014, 591, 308-314.	2.8	4
49	Synthesis and Electrical Properties of a Fluorite-Like Nd <sub>5</sub> Mo <sub>3</sub> O <sub>16</sub> Compound with Partial Substitution of Molybdenum by Tungsten, Niobium, or Vanadium. Crystallography Reports, 2018, 63, 127-131.	0.1	4
50	Time relaxation of the untwinned TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> single crystal remanent magnetization. Physica C: Superconductivity and Its Applications, 1989, 162-164, 1193-1194.	0.6	3
51	Channeling in RBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> x single crystals. Nuclear Instruments & Methods in Physics Research B, 1990, 48, 207-210.	0.6	3
52	Anisotropy of the transport properties of Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4+y</sub> single crystals at low temperatures. Physica B: Condensed Matter, 1990, 165-166, 1539-1540.	1.3	3
53	The influence of relativistic 12C ions irradiation of different critical current components in TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> single crystals. Physica C: Superconductivity and Its Applications, 1991, 185-189, 2191-2192.	0.6	3
54	The peak-effect in untwinned TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> single crystals. Physica C: Superconductivity and Its Applications, 1991, 185-189, 2431-2432.	0.6	3

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55	Influence of thermal and structural fluctuations on anisotropic resistivity and nonlinear transport properties of $\text{ReBa}_2\text{Cu}_3\text{O}_{7-x}$ (Re=Y,Tm) single crystals. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 1655-1656.	1.3	3
56	Magnetic relaxation behaviour of $\text{YBCo}_{6.9}$ (123) and $\text{BSCCO}_8$ (2212) crystals+. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 2885-2886.	0.6	3
57	Synthesis and phase transitions of oxide-ion conducting compound $\text{La}_2\text{Mo}_2\text{O}_9$ doped with alkaline metals. <i>Crystallography Reports</i> , 2011, 56, 315-320.	0.1	3
58	Phase transitions and electrical properties of $\text{Bi}_2\text{W}_1-x\text{Nb}_x\text{O}_6$ and $\text{Bi}_2\text{W}_1-x\text{Ta}_x\text{O}_6$ . <i>Journal of Alloys and Compounds</i> , 2013, 573, 90-95.	2.8	3
59	X-ray diffraction study of oxygen-conducting compounds $\text{Ln}_2\text{Mo}_2\text{O}_9$ (Ln= La, Pr). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 669-675.	0.5	3
60	Structure and Properties of $\text{Ln}_2\text{Mo}_6$ Oxymolybdates (Ln = La, Pr, Nd) Doped with Magnesium. <i>Crystals</i> , 2021, 11, 611.	1.0	3
61	$\text{La}_2\text{Mo}_6$ Oxymolybdates Doped with Sodium: Crystal Growth, Features of the Structure, and Properties. <i>Crystal Growth and Design</i> , 2021, 21, 7043-7052.	1.4	3
62	Crystal growth and properties of the high-temperature superconductors of the $\text{RBa}_2\text{Cu}_3\text{O}_{7-x}$ and $\text{La}_2\text{CuO}_4$ -types and behaviour of these compounds at high temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 1213-1214.	0.6	2
63	Possible intermediate Jahn-Teller EPR spectra in $\text{RBa}_2\text{Cu}_3\text{O}_{7-x}$ (R=Sm, Tm) single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 185-189, 1149-1150.	0.6	2
64	Growth, morphology and superconducting properties of $\text{TmBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Journal of Crystal Growth</i> , 1995, 149, 74-79.	0.7	2
65	Single crystal growth and physical properties of $\text{RbTiOPO}_4$ doped with niobium. <i>Journal of Crystal Growth</i> , 2005, 275, e647-e650.	0.7	2
66	Oxide-ion-conducting phases in the $\text{Bi}_2\text{MoO}_6$ - $\text{Bi}_2\text{VO}_5.5$ system. <i>Inorganic Materials</i> , 2006, 42, 1255-1259.	0.2	2
67	Channeling in $\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$ -single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 949-950.	0.6	1
68	Anisotropy of the monodomain $\text{TmBa}_2\text{Cu}_3\text{O}_{7-x}$ single-crystal magnetic properties. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 1633-1634.	0.6	1
69	The anomalous magnetization of $\text{TmBa}_2\text{Cu}_3\text{O}_x$ superconducting single crystals. <i>Physica B: Condensed Matter</i> , 1991, 169, 653-654.	1.3	1
70	Hypersound studies of the electron doped $\text{Ln}_2-x\text{CexCuO}_4$ and hole doped $\text{La}_2-x\text{MxCuO}_4$ high-Tc single crystals. <i>Solid State Communications</i> , 1992, 82, 669-672.	0.9	1
71	Determination of high-frequency pseudo surface mode velocity in high-Tc superconducting $\text{RBa}_2\text{Cu}_3\text{O}_{7-x}$ (R= Tm, Er, Ho, Dy, Gd, Eu, Sm, Nd, Pr) single crystal by Mandelstamm-Brillouin light scattering spectra. <i>Solid State Communications</i> , 1992, 84, 517-521.	0.9	1
72	Phase transition and electrical properties of gallium- and indium-doped $\text{Bi}_4\text{Ti}_3\text{W}_3\text{O}_{30}$ . <i>Inorganic Materials</i> , 2011, 47, 513-520.	0.2	1

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73	Oxygen-conducting compounds with La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> structure in the ternary system La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> -Sm <sub>2</sub> W <sub>2</sub> O <sub>9</sub> -Sm <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> + : Synthesis and properties. Crystallography Reports, 2014, 59, 574-579.	0.1	1
74	Bi <sub>2</sub> O <sub>3</sub> â€“Nd <sub>2</sub> O <sub>3</sub> â€“WO <sub>3</sub> system: Phase formation, polymorphism, and conductivity. Ceramics International, 2021, 47, 31168-31179.	2.3	1
75	Characteristic features of polytypism in compounds with the La <sub>18</sub> W <sub>10</sub> O <sub>57</sub> -type structure. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 740-749.	0.2	1
76	Magnetic properties of untwinned TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> crystals. Physica B: Condensed Matter, 1991, 169, 607-608.	1.3	0
77	The twin walls influence on superconducting parameters of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> and TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> single crystals. Physica B: Condensed Matter, 1991, 169, 613-614.	1.3	0
78	The critical current and magnetization anisotropy in TmBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> and Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>y</sub> single crystals. Physica B: Condensed Matter, 1991, 169, 651-652.	1.3	0
79	10.1007/s11445-008-2018-y. , 2010, 53, 285.		0
80	A SYSTEMATIC STUDY OF THE SURFACE WAVES OF HIGH-T <sub>c</sub> SUPERCONDUCTING SINGLE CRYSTALS. , 1991, , 257-260.		0