

# Artem Makarevich

## List of Publications by Year in descending order

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30  
papers

280  
citations

1163117

8  
h-index

940533

16  
g-index

30  
all docs

30  
docs citations

30  
times ranked

442  
citing authors

#	ARTICLE	IF	CITATIONS
1	Customised 2G HTS wire for applications. Superconductor Science and Technology, 2016, 29, 024001.	3.5	69
2	Chemical synthesis of high quality epitaxial vanadium dioxide films with sharp electrical and optical switch properties. Journal of Materials Chemistry C, 2015, 3, 9197-9205.	5.5	61
3	Emission of terahertz pulses from vanadium dioxide films undergoing metal-insulator phase transition. Optica, 2015, 2, 790.	9.3	22
4	Chemical Solution Deposition of Ceria Textured Thin Films from Novel Mixed-Ligand Metal-Organic Precursors. Chemistry of Materials, 2010, 22, 5803-5813.	6.7	13
5	Crystal structure and chemical bonding in tin(II) acetate. Polyhedron, 2007, 26, 5365-5369.	2.2	12
6	Structural diversity of volatile mixed ligand complexes of alkaline earth element hexafluoroacetylacetonates with triglyme and related polyglymes. Polyhedron, 2017, 134, 246-256.	2.2	11
7	Terahertz Switching Focuser Based on Thin Film Vanadium Dioxide Zone Plate. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 1203-1210.	2.2	11
8	Hydrothermal epitaxy growth of self-organized vanadium dioxide 3D structures with metal-insulator transition and THz transmission switch properties. CrystEngComm, 2020, 22, 2612-2620.	2.6	10
9	Epitaxial Heterostructures of $\text{KNbO}_3/\text{LaNiO}_3/\text{SrTiO}_3$ and $\text{KNbO}_3/\text{La}_{1-x}\text{K}_x\text{MnO}_3/\text{SrTiO}_3$ : MOCVD preparation and properties. ECS Transactions, 2009, 25, 513-519.	0.5	7
10	Low temperature phase transitions as a representation of structural flexibility of alkaline earth mixed ligand $\beta^2$ -diketonates. Polyhedron, 2011, 30, 599-605.	2.2	7
11	Low-temperature MOCVD of Epitaxial $\text{CaF}_2$ and $\text{SrF}_2$ Films. ECS Transactions, 2009, 25, 525-532.	0.5	6
12	Saturation vapor pressure of the mixed-ligand calcium bis(hexafluoroacetylacetonate) complex with dyglyme and water. Russian Journal of Inorganic Chemistry, 2010, 55, 1940-1943.	1.3	6
13	Volatility and thermal stability of vanadyl $\beta^2$ -diketonate complexes. Russian Journal of Inorganic Chemistry, 2017, 62, 818-821.	1.3	6
14	Statistics of GB misorientations in 2D polycrystalline copper foil. Materials Letters, 2017, 196, 377-380.	2.6	5
15	Deposition of thin films of neodymium and samarium nickelates from heterometallic coordination compounds by centrifugation. Doklady Chemistry, 2009, 426, 124-127.	0.9	4
16	MOCVD Buffer and Superconducting Layers on Non-Magnetic Biaxially Textured Tape for Coated Conductor Fabrication. IEEE Transactions on Applied Superconductivity, 2013, 23, 6601404-6601404.	1.7	4
17	Titania Mesocrystals: Working Surface in Photocatalytic Reactions. Russian Journal of Inorganic Chemistry, 2021, 66, 460-467.	1.3	4
18	Electrospray mass spectra of aqueous solutions of 4f-3d heterometallic chelates. Russian Journal of Inorganic Chemistry, 2007, 52, 1775-1780.	1.3	3

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19	Formation of heterometallic compounds in mixed solutions of nickel(II)-Schiff base complexes and lanthanide nitrates: Electrospray ionization mass spectrometry data. Russian Journal of Inorganic Chemistry, 2008, 53, 1476-1483.	1.3	3
20	Epitaxial LnNiO <sub>3</sub> (Ln=La, Pr, Nd, Sm) films from 4f <sup>n</sup> 3d heterometallic complexes. Thin Solid Films, 2010, 518, 4696-4700.	1.8	3
21	Insulation effect on thermal stability of Coated Conductors wires in liquid nitrogen. IOP Conference Series: Materials Science and Engineering, 2017, 171, 012123.	0.6	3
22	Heterometallic nickel(II) samarium(III) diethylenetriaminepentaacetate, a starting material for the preparation of samarium nickelate films. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2006, 32, 707-711.	1.0	2
23	A novel dimeric complex of barium bis(hexafluoroacetylacetonate) with triglyme: Synthesis, structure, and volatility. Doklady Chemistry, 2013, 451, 181-184.	0.9	2
24	Experimental Study of the Insulator-to-Metal Phase Transition in VO <sub>2</sub> Thin Films in the Microwave Range. Inorganic Materials: Applied Research, 2019, 10, 775-780.	0.5	2
25	Effect of r-Al <sub>2</sub> O <sub>3</sub> Single-Crystal Substrate on Growth of Ti <sup>n+</sup> VO <sub>2</sub> Particles under Hydrothermal Conditions. Russian Journal of Inorganic Chemistry, 2020, 65, 299-304.	1.3	2
26	Mixed-ligand complexes of alkaline-earth metal trifluoroacetates with monoethanolamine. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2010, 36, 804-809.	1.0	1
27	Effect of MIT in epitaxial VO <sub>2</sub> films on THz transmittance. EPJ Web of Conferences, 2018, 195, 06015.	0.3	1
28	Peculiarities of the synthesis and thermolysis of heterometallic coordination compounds used as precursors for nickelates of rare-earth elements. Moscow University Chemistry Bulletin, 2011, 66, 25-31.	0.6	0
29	SYNTHESIS AND LUMINESCENCE OF SiO <sub>2</sub> THREE-DIMENSIONAL PHOTONIC CRYSTAL WITH HEuEDTA. , 2005, , .		0
30	Experimental investigation of phase transition in vanadium dioxide films in microwave band. Materialovedenie, 2018, .	0.1	0