

# Andrey A Akatov

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

159  
citations

1478505

6  
h-index

1125743

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct atomic absorption determination of mercury in drinking water and urine using a two-step electrothermal atomizer. <i>Journal of Analytical Chemistry</i> , 2005, 60, 38-44.	0.9	53
2	Structure of borosilicate glassy materials with high concentrations of sodium, iron, and aluminum oxides. <i>Glass Physics and Chemistry</i> , 2009, 35, 245-259.	0.7	45
3	Synthesis of nanopowders and physicochemical properties of ceramic matrices of the $\text{LaPO}_4\text{-YPO}_4\text{(H}_2\text{O)}$ and $\text{LaPO}_4\text{-HoPO}_4\text{(H}_2\text{O)}$ systems. <i>Russian Journal of Applied Chemistry</i> , 2017, 90,0.5 28-33.		14
4	Influence of the content of a surrogate of iron aluminate high-level wastes on the phase composition and structure of glassy materials for their immobilization. <i>Glass Physics and Chemistry</i> , 2010, 36, 45-52.	0.7	9
5	Chemical and thermal stability of phosphate ceramic matrices. <i>Glass Physics and Chemistry</i> , 2017, 43, 83-90.	0.7	9
6	Ceramic Matrix Composites Based on Lanthanum Orthophosphate for Disposal of High-Level Radioactive Waste. <i>Glass Physics and Chemistry</i> , 2019, 45, 565-572.	0.7	9
7	Improving the efficiency of fixed radionuclides™ removal by chemical decontamination of surfaces in situ. <i>Nuclear Energy and Technology</i> , 2019, 5, 155-161.	0.2	5
8	Influence of the content of radioactive wastes with high concentrations of aluminum, sodium, and iron oxides on the phase composition and structure of glassy materials prepared in a "cold crucible". <i>Glass Physics and Chemistry</i> , 2010, 36, 419-430.	0.7	4
9	Sol-Gel Synthesis, Thermal Behavior of Nanopowders and Chemical Stability of $\text{La}_{1-x}\text{Ho}_x\text{PO}_4$ Ceramic Matrices. <i>Glass Physics and Chemistry</i> , 2018, 44, 440-449.	0.7	3
10	Determination of chloropicrin in drinking water using static headspace gas-chromatographic analysis. <i>Journal of Analytical Chemistry</i> , 2005, 60, 149-151.	0.9	2
11	Ceramic Composite Matrices Based on the $\text{LaPO}_4\text{-ZrO}_2$ System: Preparation and Properties. <i>Glass Physics and Chemistry</i> , 2021, 47, 665-670.	0.7	2
12	Phase Formation in the Vitrification of Savannah River Site SB4 HLW Sludge Surrogate Using Frit and Glass Forming Chemicals. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1193, 332.	0.1	1
13	Physicochemical Properties of Ceramics Based on a $\text{LaPO}_4\text{-DyPO}_4$ System. <i>Glass Physics and Chemistry</i> , 2019, 45, 268-271.	0.7	1
14	REMOVABLE POLYMER COATINGS FOR DECONTAMINATION: ACHIEVEMENTS AND DEVELOPMENTS, APPLICATION, AVAILABILITY (REVIEW). <i>Bulletin of the Saint Petersburg State Institute of Technology (Technical University)</i> , 2014, 51, 68-79.	0.1	1
15	STUDY OF INFLUENCE OF TITANIUM DIOXIDE NANOFILM ON KINETICS OF RADIATION-INDUCED OXIDATION OF POLYETHYLENE SUPPORT BY INFRARED SPECTROPHOTOMETRY. <i>Bulletin of the Saint Petersburg State Institute of Technology (Technical University)</i> , 2017, 39, 7-10.	0.1	1
16	Experimental and Simulation Research of Spatial Distribution of Carbonyl Groups in $^{13}\text{C}$ -Irradiated Polyethylene. <i>Russian Journal of Applied Chemistry</i> , 2018, 91, 424-427.	0.5	0
17	Radiation-Stimulated Oxidation of Naturally Aged Polyethylene Films. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 1210-1214.	0.5	0