

# Elena I Istomina

## List of Publications by Year in descending order

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23  
papers

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citations

840119

11  
h-index

996533

15  
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24  
all docs

24  
docs citations

24  
times ranked

217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of a Bulk $Ti_4Si_3$ MAX Phase by Reduction of $TiO_2$ with SiC. <i>Inorganic Chemistry</i> , 2016, 55, 11050-11056.	1.9	21
2	Adsorption of $\alpha$ -glucuronidase and estrogens on pectin/lignin hydrogel particles. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 433-441.	1.8	17
3	Fabrication of $Ti_3SiC_2$ and $Ti_4SiC_3$ MAX phase ceramics through reduction of $TiO_2$ with SiC. <i>Ceramics International</i> , 2017, 43, 16128-16135.	2.3	17
4	Encapsulated drug system based on the gels obtained from callus cultures modified pectins. <i>Journal of Biotechnology</i> , 2019, 289, 7-14.	1.9	17
5	Preparation of biomorphic SiC. <i>Inorganic Materials</i> , 2013, 49, 984-987.	0.2	16
6	Preparation of $Ti_3SiC_2$ through reduction of titanium dioxide with silicon carbide. <i>Inorganic Materials</i> , 2016, 52, 134-140.	0.2	15
7	Preparation of (Ti,Zr,Hf,Nb,Ta)C high-entropy carbide ceramics through carbosilicothermic reduction of oxides. <i>Journal of the European Ceramic Society</i> , 2021, 41, 6934-6942.	2.8	15
8	Siliciding of titanium carbides with gaseous SiO. <i>Russian Journal of Inorganic Chemistry</i> , 2012, 57, 1058-1063.	0.3	13
9	Optimization of the Carbosilicothermic Synthesis of the $Ti_4SiC_3$ MAX Phase. <i>Inorganic Materials</i> , 2018, 54, 528-536.	0.2	12
10	Fabrication of $Ti_3SiC_2/SiC$ multiport minichannel plates for high-temperature applications. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4602-4608.	2.8	12
11	Effect of silicidation pretreatment with gaseous SiO on sinterability of TiC powders. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016, 57, 12-18.	1.7	11
12	Biosorbents based on esterified starch carrying immobilized oil-degrading microorganisms. <i>Journal of Biotechnology</i> , 2017, 260, 31-37.	1.9	11
13	Li- and Mg-codoped bismuth niobate pyrochlores: Synthesis, structure, electrical properties. <i>Solid State Ionics</i> , 2019, 332, 34-40.	1.3	11
14	Injectable hydrogel from plum pectin as a barrier for prevention of postoperative adhesion. <i>Journal of Bioactive and Compatible Polymers</i> , 2016, 31, 481-497.	0.8	10
15	Fabrication of $Ti_3SiC_2 \text{ @ } Ti_4SiC_3 \text{ @ } SiC$ ceramic composites through carbosilicothermic reduction of $TiO_2$ . <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 746-752.	1.1	10
16	Properties of silicon carbide fibers obtained by silicification of carbon fabric with SiO vapours. <i>Ceramics International</i> , 2020, 46, 18101-18105.	2.3	10
17	Preparation of a SiC Fiber Textile Material. <i>Inorganic Materials</i> , 2018, 54, 787-793.	0.2	6
18	Structural, Optical, Luminescence, and Electrical Properties of Eu/Li- and Eu/Na-Codoped Magnesium Bismuth Niobate Pyrochlores. <i>Inorganic Chemistry</i> , 0, , .	1.9	6

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19	Siliconization of titanium oxycarbides by silicon monoxide. Russian Journal of Inorganic Chemistry, 2013, 58, 624-630.	0.3	3
20	Effect of chemical modification conditions on the sintering behavior of TiC powders. Inorganic Materials, 2016, 52, 669-676.	0.2	3
21	Silicidation of Tantalum Carbide and Zirconium Carbide Powders in a Gaseous SiO Environment. Inorganic Materials, 2018, 54, 779-786.	0.2	3
22	The effect of layer thickness on adsorption and catalytic activity of sandwich-like ceramics. Journal of the American Ceramic Society, 2020, 103, 5999-6011.	1.9	1
23	Effect of Carbohydrates on the Composition and Gel-Forming Properties of Silene vulgaris Callus Pectins. Chemistry of Natural Compounds, 2015, 51, 409-414.	0.2	0