

Yulia Arinicheva SkÅtun

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Competing Effects in the Hydration Mechanism of a Garnet-Type $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ Electrolyte. <i>Chemistry of Materials</i> , 2022, 34, 1473-1480.	3.2	8
2	Energetic Stability and Its Role in the Mechanism of Ionic Transport in NASICON-Type Solid-State Electrolyte $\text{Li}_{1+x}\text{Al}_x\text{Ti}_2\text{(PO}_4)_3$. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4400-4406.	2.1	8
3	Ceramics for electrochemical storage. , 2020, , 549-709.		21
4	Fracture toughness of single grains and polycrystalline $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ electrolyte material based on a pillar splitting method. <i>Journal of the European Ceramic Society</i> , 2020, 40, 3057-3064.	2.8	13
5	Rare-Earth Orthophosphates From Atomistic Simulations. <i>Frontiers in Chemistry</i> , 2019, 7, 197.	1.8	14
6	Dissolution kinetics of synthetic LaPO_4 -monazite in acidic media. <i>MRS Advances</i> , 2018, 3, 1133-1137.	0.5	6
7	Effect of powder morphology on sintering kinetics, microstructure and mechanical properties of monazite ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 227-234.	2.8	25
8	A Spectroscopic and Computational Study of Cm^{3+} Incorporation in Lanthanide Phosphate Rhabdophane ($\text{LnPO}_4 \cdot 0.67\text{H}_2\text{O}$) and Monazite (LnPO_4). <i>Inorganic Chemistry</i> , 2018, 57, 6252-6265.	1.9	15
9	Influence of temperature on the dissolution kinetics of synthetic LaPO_4 -monazite in acidic media between 50 and 130 °C. <i>Journal of Nuclear Materials</i> , 2018, 509, 488-495.	1.3	18
10	Intrinsic Improvement of LLZO Solid-State Electrolyte to Suppress Li Dendrite Growth. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
11	Probing structural homogeneity of $\text{La}_{1-x}\text{Gd}_x\text{PO}_4$ monazite-type solid solutions by combined spectroscopic and computational studies. <i>Journal of Nuclear Materials</i> , 2017, 486, 148-157.	1.3	24
12	New insights into phosphate based materials for the immobilisation of actinides. <i>Radiochimica Acta</i> , 2017, 105, 961-984.	0.5	51
13	Structural investigations of $(\text{La},\text{Pu})\text{PO}_4$ monazite solid solutions: XRD and XAFS study. <i>Journal of Nuclear Materials</i> , 2017, 493, 404-411.	1.3	24
14	Simulation of ceramic materials relevant for nuclear waste management: Case of $\text{La}_{1-x}\text{Eu}_x\text{PO}_4$ solid solution. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 393, 68-72.	0.6	18
15	Thermochemistry of $\text{La}_{1-x}\text{Ln}_x\text{PO}_4$ -monazites (Ln= Gd, Eu). <i>Journal of Chemical Thermodynamics</i> , 2017, 105, 396-403.	1.0	39
16	Quadrupole splitting and Eu partial lattice dynamics in europium orthophosphate EuPO_4 . <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.2	2
17	The effect of the synthesis route of monazite precursors on the microstructure of sintered pellets. <i>Progress in Nuclear Energy</i> , 2016, 92, 298-305.	1.3	17
18	Using Eu^{3+} as an atomic probe to investigate the local environment in LaPO_4 - GdPO_4 monazite end-members. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 139-145.	5.0	24

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19	Physical Properties of La _{1-x} Eu _x PO ₄ Monazite-type Ceramics. Journal of the American Ceramic Society, 2015, 98, 4016-4021.	1.9	23
20	Studies on thermal and mechanical properties of monazite-type ceramics for the conditioning of minor actinides. Progress in Nuclear Energy, 2014, 72, 144-148.	1.3	34
21	Conditioning of minor actinides in lanthanum monazite ceramics: A surrogate study with Europium. Progress in Nuclear Energy, 2014, 72, 140-143.	1.3	43
22	Preparation of high-octane oxygenate fuel components from plant-derived polyols. Petroleum Chemistry, 2011, 51, 61-69.	0.4	67
23	Methods of the functionalization of hydrocarbons with a diamond-like structure. Petroleum Chemistry, 2010, 50, 1-16.	0.4	11