

Yulia Arinicheva SkÅtun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7482070/publications.pdf>

Version: 2024-02-01

23
papers

505
citations

623574

14
h-index

713332

21
g-index

23
all docs

23
docs citations

23
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of high-octane oxygenate fuel components from plant-derived polyols. <i>Petroleum Chemistry</i> , 2011, 51, 61-69.	0.4	67
2	New insights into phosphate based materials for the immobilisation of actinides. <i>Radiochimica Acta</i> , 2017, 105, 961-984.	0.5	51
3	Conditioning of minor actinides in lanthanum monazite ceramics: A surrogate study with Europium. <i>Progress in Nuclear Energy</i> , 2014, 72, 140-143.	1.3	43
4	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
5	Studies on thermal and mechanical properties of monazite-type ceramics for the conditioning of minor actinides. <i>Progress in Nuclear Energy</i> , 2014, 72, 144-148.	1.3	34
6	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
7	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
8	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
9	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
10	Physical Properties of $\text{La}_{1-x}\text{Eu}_x\text{PO}_4$ Monazite-type Ceramics. <i>Journal of the American Ceramic Society</i> , 2015, 98, 4016-4021.	1.9	23
11	Ceramics for electrochemical storage. , 2020, , 549-709.		21
12	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
13	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
14	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
15	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
16	Rare-Earth Orthophosphates From Atomistic Simulations. <i>Frontiers in Chemistry</i> , 2019, 7, 197.	1.8	14
17	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
18	Methods of the functionalization of hydrocarbons with a diamond-like structure. <i>Petroleum Chemistry</i> , 2010, 50, 1-16.	0.4	11

#	ARTICLE	IF	CITATIONS
19	Energetic Stability and Its Role in the Mechanism of Ionic Transport in NASICON-Type Solid-State Electrolyte Li _{1+x} Al _x Ti ₂ (PO ₄) ₃ . Journal of Physical Chemistry Letters, 2021, 12, 4400-4406.	2.1	8
20	Competing Effects in the Hydration Mechanism of a Garnet-Type Li ₇ La ₃ Zr ₂ O ₁₂ Electrolyte. Chemistry of Materials, 2022, 34, 1473-1480.	3.2	8
21	Dissolution kinetics of synthetic LaPO ₄ -monazite in acidic media. MRS Advances, 2018, 3, 1133-1137.	0.5	6
22	Quadrupole splitting and Eu partial lattice dynamics in europium orthophosphate EuPO 4. Hyperfine Interactions, 2016, 237, 1.	0.2	2
23	Intrinsic Improvement of LLZO Solid-State Electrolyte to Suppress Li Dendrite Growth. ECS Meeting Abstracts, 2018, .	0.0	0