

# Artem A Kabanov

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

746  
citations

758635

12  
h-index

610482

24  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1042  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Homo Citans</i> and Carbon Allotropes: For an Ethics of Citation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10962-10976.	7.2	251
2	The Aluminum-Ion Battery: A Sustainable and Seminal Concept?. <i>Frontiers in Chemistry</i> , 2019, 7, 268.	1.8	155
3	Crystallochemical tools in the search for cathode materials of rechargeable Na-ion batteries and analysis of their transport properties. <i>Solid State Ionics</i> , 2018, 314, 129-140.	1.3	51
4	Crystal Structure and Li-Ion Transport in $\text{Li}_{2}\text{CoPO}_{4}\text{F}$ High-Voltage Cathode Material for Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3194-3202.	1.5	37
5	Combined Theoretical Approach for Identifying Battery Materials: $\text{Al}^{3+}$ Mobility in Oxides. <i>Chemistry of Materials</i> , 2019, 31, 737-747.	3.2	36
6	D-carbon: <i>Ab initio</i> study of a novel carbon allotrope. <i>Journal of Chemical Physics</i> , 2018, 149, 114702.	1.2	33
7	Network topological model of reconstructive solid-state transformations. <i>Scientific Reports</i> , 2019, 9, 6007.	1.6	21
8	<i>Homo Citans</i> und Kohlenstoffallotrope: Fur eine Ethik des Zitierens. <i>Angewandte Chemie</i> , 2016, 128, 11122-11139.	1.6	17
9	Ionic Conductivity in Ti-Doped $\text{KFeO}_{2}$ : Experiment and Mathematical Modeling. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21128-21135.	1.5	16
10	A New $\text{sp}^{2}\text{-sp}^{3}$ -Hybridized Metallic Carbon Network for Lithium-Ion Battery Anode with Enhanced Safety and Lithium-Ion Diffusion Rate. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15412-15418.	1.5	14
11	High-throughput systematic topological generation of low-energy carbon allotropes. <i>Npj Computational Materials</i> , 2021, 7, .	3.5	14
12	Ab initio modeling of oxygen ion migration in non-stoichiometric bismuth titanate pyrochlore $\text{Bi}_{1.5}\text{Ti}_{2}\text{O}_{6.25}$ . <i>Solid State Ionics</i> , 2019, 335, 135-141.	1.3	12
13	Computational Search for Novel Zn-Ion Conductors – A Crystallochemical, Bond Valence, and Density Functional Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17590-17599.	1.5	12
14	Modeling of Ionic Conductivity in Inorganic Compounds with Multivalent Cations. <i>Russian Journal of Electrochemistry</i> , 2019, 55, 762-777.	0.3	11
15	Oxygen ionic transport in $\text{LaInO}_{3}$ and $\text{LaIn}_{0.5}\text{Zn}_{0.5}\text{O}_{2.75}$ perovskites: Theory and experiment. <i>Solid State Ionics</i> , 2021, 372, 115790.	1.3	9
16	Structural Features and the Li-Ion Diffusion Mechanism in Tantalum-Doped $\text{Li}_{7}\text{La}_{3}\text{Zr}_{2}\text{O}_{12}$ Solid Electrolytes. <i>ACS Applied Energy Materials</i> , 2022, 5, 2959-2967.	2.5	9
17	Effect of transition metal cations on the local structure and lithium transport in disordered rock-salt oxides. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5823-5832.	1.3	8
18	Crystal structure and migration paths of alkaline ions in $\text{NaVPO}_{4}\text{F}$ . <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 15876-15884.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Effect of zinc doping on electrical properties of LaAlO <sub>3</sub> perovskite. <i>Chimica Techno Acta</i> , 2021, 8, .	0.3	7
20	Mechanism of Conductivity in the Rare Earth Layered Ln <sub>2</sub> MoO <sub>6</sub> (Ln = La, Pr.) <i>Tj ETQq0 0 0 rgBT /Overlock 10</i> 2022, 126, 9623-9633.	1.5	7
21	Theoretical and experimental study of reversible intercalation of Li ions in the Jarosite NaFe <sub>3</sub> (SO <sub>4</sub> ) <sub>2</sub> (OH) <sub>6</sub> structure. <i>Electrochimica Acta</i> , 2020, 359, 136950.	2.6	6
22	Sulfur and Selenium Containing Compounds Potentially Exhibiting Al Ion Conductivity. <i>Chemistry - A European Journal</i> , 2019, 25, 8623-8629.	1.7	4
23	Computational design of materials for metal-ion batteries. , 2023, , 404-429.		4
24	The influence of Population III stars on the early evolution of galaxies. <i>Astronomy Reports</i> , 2011, 55, 784-792.	0.2	3
25	Structure and lithium-ion conductivity investigation of the Li <sub>7-x</sub> La <sub>3</sub> Zr <sub>2-x</sub> Ta <sub>x</sub> O <sub>12</sub> solid electrolytes. <i>Journal of Physics: Conference Series</i> , 2021, 1967, 012011.	0.3	2
26	The Impact of Nucleosynthesis Models on Models of the Chemical Evolution of Disk Galaxies. <i>Astronomy Reports</i> , 2010, 54, 489-495.	0.2	0
27	Evolution of the star-formation rate and extinction in disk galaxies at high z. <i>Astronomy Reports</i> , 2011, 55, 193-201.	0.2	0
28	SACADA - the database of three periodic carbon allotropes. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s356-s356.	0.0	0
29	Physicochemical dynamics of disperse systems in the processes of planet formation. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015, 51, 167-170.	0.3	0
30	Can we predict Al ion conductors? A combination of crystallographic and energetic evaluation tools. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s291-s291.	0.0	0
31	Crystal structure and electrochemical properties of phosphosulphate NaFe <sub>2</sub> PO <sub>4</sub> (SO <sub>4</sub> ) <sub>2</sub> . <i>MATEC Web of Conferences</i> , 2021, 340, 01012.	0.1	0
32	The theoretical evaluation of new promising solid ion conductors for zinc-ion batteries. <i>Journal of Physics: Conference Series</i> , 2021, 1967, 012059.	0.3	0
33	Assessment of potential Al ion conductors from large crystallographic databases. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C328-C328.	0.0	0