

# Artem A Kabanov

## List of Publications by Citations

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26

papers

472

citations

10

h-index

21

g-index

33

ext. papers

616

ext. citations

3.5

avg, IF

4.03

L-index

#	Paper	IF	Citations
26	Homo Citans and Carbon Allotropes: For an Ethics of Citation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10962-76	16.4	172
25	The Aluminum-Ion Battery: A Sustainable and Seminal Concept?. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 268	5	90
24	Crystallochemical tools in the search for cathode materials of rechargeable Na-ion batteries and analysis of their transport properties. <i>Solid State Ionics</i> , <b>2018</b> , 314, 129-140	3.3	42
23	Crystal Structure and Li-Ion Transport in Li <sub>2</sub> CoPO <sub>4</sub> F High-Voltage Cathode Material for Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 3194-3202	3.8	30
22	D-carbon: study of a novel carbon allotrope. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 114702	3.9	25
21	Combined Theoretical Approach for Identifying Battery Materials: Al <sup>3+</sup> Mobility in Oxides. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 737-747	9.6	24
20	Network topological model of reconstructive solid-state transformations. <i>Scientific Reports</i> , <b>2019</b> , 9, 6007	4.9	16
19	Homo Citans und Kohlenstoffallotropie: Eine Ethik des Zitierens. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 11122-11139	3.6	14
18	Ionic Conductivity in Ti-Doped KFeO <sub>2</sub> : Experiment and Mathematical Modeling. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 21128-21135	3.8	11
17	A New sp <sup>2</sup> /p <sup>3</sup> -Hybridized Metallic Carbon Network for Lithium-Ion Battery Anode with Enhanced Safety and Lithium-Ion Diffusion Rate. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 15412-15418	3.8	10
16	Modeling of Ionic Conductivity in Inorganic Compounds with Multivalent Cations. <i>Russian Journal of Electrochemistry</i> , <b>2019</b> , 55, 762-777	1.2	8
15	Ab initio modeling of oxygen ion migration in non-stoichiometric bismuth titanate pyrochlore Bi <sub>1.5</sub> Ti <sub>2</sub> O <sub>6.25</sub> . <i>Solid State Ionics</i> , <b>2019</b> , 335, 135-141	3.3	7
14	High-throughput systematic topological generation of low-energy carbon allotropes. <i>Npj Computational Materials</i> , <b>2021</b> , 7,	10.9	5
13	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> , <b>2020</b> , 359, 136950	6.7	4
12	Crystal structure and migration paths of alkaline ions in NaVPOF. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 15876-15884	3.6	3
11	Oxygen ionic transport in LaInO <sub>3</sub> and LaIn <sub>0.5</sub> Zn <sub>0.5</sub> O <sub>2.75</sub> perovskites: Theory and experiment. <i>Solid State Ionics</i> , <b>2021</b> , 372, 115790	3.3	2
10	Computational Search for Novel Zn-Ion Conductors: Crystallochemical, Bond Valence, and Density Functional Study. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 17590-17599	3.8	2

9	Sulfur- and Selenium-Containing Compounds Potentially Exhibiting Al Ion Conductivity. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 8623-8629	4.8	1
8	The influence of Population III stars on the early evolution of galaxies. <i>Astronomy Reports</i> , <b>2011</b> , 55, 784-792	1.92	1
7	Structure and lithium-ion conductivity investigation of the Li <sub>7-x</sub> La <sub>3</sub> Zr <sub>2-x</sub> TaxO <sub>12</sub> solid electrolytes. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1967, 012011	0.3	1
6	Structural Features and the Li-Ion Diffusion Mechanism in Tantalum-Doped Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> Solid Electrolytes. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 2959-2967	6.1	0
5	Physicochemical dynamics of disperse systems in the processes of planet formation. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2015</b> , 51, 167-170	0.9	
4	Evolution of the star-formation rate and extinction in disk galaxies at high z. <i>Astronomy Reports</i> , <b>2011</b> , 55, 193-201	1.1	
3	The Impact of Nucleosynthesis Models on Models of the Chemical Evolution of Disk Galaxies. <i>Astronomy Reports</i> , <b>2010</b> , 54, 489-495	1.1	
2	The theoretical evaluation of new promising solid ion conductors for zinc-ion batteries. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1967, 012059	0.3	
1	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> , <b>2021</b> , 340, 01012	0.3	