

Artem A Kabanov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Structural Features and the Li-Ion Diffusion Mechanism in Tantalum-Doped Li ₇ La ₃ Zr ₂ O ₁₂ Solid Electrolytes. <i>ACS Applied Energy Materials</i> , 2022 , 5, 2959-2967	6.1	0
25	Oxygen ionic transport in LaInO ₃ and LaIn _{0.5} Zn _{0.5} O _{2.75} perovskites: Theory and experiment. <i>Solid State Ionics</i> , 2021 , 372, 115790	3.3	2
24	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	
23	Structure and lithium-ion conductivity investigation of the Li _{7-x} La ₃ Zr ₂ -xTaxO ₁₂ solid electrolytes. <i>Journal of Physics: Conference Series</i> , 2021 , 1967, 012011	0.3	1
22	Crystal structure and electrochemical properties of phosphosulphate NaFe ₂ PO ₄ (SO ₄) ₂ . <i>MATEC Web of Conferences</i> , 2021 , 340, 01012	0.3	
21	Computational Search for Novel Zn-Ion Conductors: Crystallochemical, Bond Valence, and Density Functional Study. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 17590-17599	3.8	2
20	High-throughput systematic topological generation of low-energy carbon allotropes. <i>Npj Computational Materials</i> , 2021 , 7,	10.9	5
19	Crystal structure and migration paths of alkaline ions in NaVPOF. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 15876-15884	3.6	3
18	Theoretical and experimental study of reversible intercalation of Li ions in the Jarosite NaFe ₃ (SO ₄) ₂ (OH) ₆ structure. <i>Electrochimica Acta</i> , 2020 , 359, 136950	6.7	4
17	Modeling of Ionic Conductivity in Inorganic Compounds with Multivalent Cations. <i>Russian Journal of Electrochemistry</i> , 2019 , 55, 762-777	1.2	8
16	Combined Theoretical Approach for Identifying Battery Materials: Al ³⁺ Mobility in Oxides. <i>Chemistry of Materials</i> , 2019 , 31, 737-747	9.6	24
15	A New sp ² /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	3.8	10
14	Sulfur- and Selenium-Containing Compounds Potentially Exhibiting Al Ion Conductivity. <i>Chemistry - A European Journal</i> , 2019 , 25, 8623-8629	4.8	1
13	Ab initio modeling of oxygen ion migration in non-stoichiometric bismuth titanate pyrochlore Bi _{1.5} Ti ₂ O _{6.25} . <i>Solid State Ionics</i> , 2019 , 335, 135-141	3.3	7
12	The Aluminum-Ion Battery: A Sustainable and Seminal Concept?. <i>Frontiers in Chemistry</i> , 2019 , 7, 268	5	90
11	Network topological model of reconstructive solid-state transformations. <i>Scientific Reports</i> , 2019 , 9, 6007	4.9	16
10	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	3.3	42

9	D-carbon: study of a novel carbon allotrope. <i>Journal of Chemical Physics</i> , 2018 , 149, 114702	3.9	25
8	Crystal Structure and Li-Ion Transport in Li ₂ CoPO ₄ F High-Voltage Cathode Material for Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 3194-3202	3.8	30
7	Ionic Conductivity in Ti-Doped KFeO ₂ : Experiment and Mathematical Modeling. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 21128-21135	3.8	11
6	Homo Citans und Kohlenstoffallotrope: Eine Ethik des Zitierens. <i>Angewandte Chemie</i> , 2016 , 128, 11122-11139	3.6	14
5	Homo Citans and Carbon Allotropes: For an Ethics of Citation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10962-76	16.4	172
4	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	0.9	
3	Evolution of the star-formation rate and extinction in disk galaxies at high z. <i>Astronomy Reports</i> , 2011 , 55, 193-201	1.1	
2	The influence of Population III stars on the early evolution of galaxies. <i>Astronomy Reports</i> , 2011 , 55, 784-792	1.1	1
1	The Impact of Nucleosynthesis Models on Models of the Chemical Evolution of Disk Galaxies. <i>Astronomy Reports</i> , 2010 , 54, 489-495	1.1	