

# Andrey A Golov

## List of Publications by Citations

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21  
papers

348  
citations

9  
h-index

18  
g-index

23  
ext. papers

446  
ext. citations

4.2  
avg, IF

3.9  
L-index

#	Paper	IF	Citations
21	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
20	High-throughput search for potential potassium ion conductors: A combination of geometrical-topological and density functional theory approaches. <i>Solid State Ionics</i> , <b>2018</b> , 326, 188-199	3.3	29
19	D-carbon: study of a novel carbon allotrope. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 114702	3.9	25
18	Topology versus porosity: what can reticular chemistry tell us about free space in metal-organic frameworks?. <i>Chemical Communications</i> , <b>2020</b> , 56, 9616-9619	5.8	21
17	Network topological model of reconstructive solid-state transformations. <i>Scientific Reports</i> , <b>2019</b> , 9, 6007	4.9	16
16	Homo Citans und Kohlenstoffallotrope: Eine Ethik des Zitierens. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 11122-11139	3.6	14
15	Acid-Driven Dimensionality Control of Cd(II) Complexes: From Discrete Double Open Cubane to One- and Three-Dimensional Networks. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 4124-4137	3.5	11
14	A New sp <sup>2</sup> /sp <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
13	Natural tilings and free space in zeolites: models, statistics, correlations, prediction. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2019</b> , 234, 421-436	1	10
12	Combined DFT and geometrical-topological analysis of Li-ion conductivity in complex hydrides. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 3115-3125	6.8	7
11	Ionic Transport in Doped Solid Electrolytes by Means of DFT Modeling and ML Approaches: A Case Study of Ti-Doped KFeO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 29533-29542	3.8	7
10	High-throughput systematic topological generation of low-energy carbon allotropes. <i>Npj Computational Materials</i> , <b>2021</b> , 7,	10.9	5
9	Sorption of multivalent cations on titanosilicate obtained from natural raw materials. The mechanism and thermodynamics of sorption. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 311, 110716	5.3	4
8	Perceiving Zeolite Self-Assembly: A Combined Top-Down and Bottom-Up Approach within the Tiling Model. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 1523-1528	3.8	3
7	Expanding the family of mineral-like anhydrous alkali copper sulfate framework structures: new phases, topological analysis and evaluation of ion migration potentialities. <i>Journal of Applied Crystallography</i> , <b>2021</b> , 54, 237-250	3.8	3
6	Combinatorial-topological modeling of the cluster self-assembly of zeolite crystal structures: computer search for molecular templates for new zeolite ISC-2. <i>Russian Chemical Bulletin</i> , <b>2016</b> , 65, 29-39	1.7	2
5	Studying the Sorption of Certain Benzimidazoles on Octadecyl Silica Gel from Water/Acetonitrile Solutions via Liquid Chromatography. <i>Russian Journal of Physical Chemistry A</i> , <b>2018</b> , 92, 1572-1582	0.7	2

4	Topological analysis of procrystal electron densities as a tool for computational modeling of solid electrolytes: A case study of known and promising potassium conductors <b>2019</b> ,		2
3	Space filling of permethylated $\beta$ -cyclodextrin by volatile hydrophobic and hydrophilic guests in polyethylene glycol. <i>Journal of the Chinese Chemical Society</i> , <b>2019</b> , 66, 157-163	1.5	2
2	A combined DFT/topological analysis approach for modeling disordered solid electrolytes. <i>EPJ Web of Conferences</i> , <b>2019</b> , 201, 02005	0.3	1
1	Molecular-Level Insight into the Interfacial Reactivity and Ionic Conductivity of a Li-Argyrodite LiPSCl Solid Electrolyte at Bare and Coated Li-Metal Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 43734-43745	9.5	1