

Michael Ghidiu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2681875/publications.pdf>

Version: 2024-02-01

29
papers

8,055
citations

279798

23
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

8066
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Substitution Series $\text{Na}_3\text{P}_1\text{Sb}_x\text{S}_{4-x}\text{Se}_x$: Beyond Static Description of Structural Bottlenecks for Na^+ Transport. <i>Chemistry of Materials</i> , 2022, 34, 2410-2421.	6.7	15
2	Pyridine Complexes as Tailored Precursors for Rapid Synthesis of Thiophosphate Superionic Conductors. <i>Batteries and Supercaps</i> , 2021, 4, 607-611.	4.7	7
3	Impact of Solvent Treatment of the Superionic Argyrodite $\text{Li}_6\text{PS}_5\text{Cl}$ on Solid-State Battery Performance. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000077.	5.8	55
4	On the Lithium Distribution in Halide Superionic Argyrodites by Halide Incorporation in $\text{Li}_7\text{PS}_6\text{Cl}$. <i>ACS Applied Energy Materials</i> , 2021, 4, 7309-7315.	5.1	30
5	On the underestimated influence of synthetic conditions in solid ionic conductors. <i>Chemical Science</i> , 2021, 12, 6238-6263.	7.4	37
6	Engineering the Site-Disorder and Lithium Distribution in the Lithium Superionic Argyrodite $\text{Li}_6\text{PS}_5\text{Br}$. <i>Advanced Energy Materials</i> , 2021, 11, 2003369.	19.5	57
7	Sn Substitution in the Lithium Superionic Argyrodite $\text{Li}_6\text{PCh}_5\text{I}$ (Ch = S and Se). <i>Inorganic Chemistry</i> , 2021, 60, 18975-18980.	4.0	7
8	Changing the Static and Dynamic Lattice Effects for the Improvement of the Ionic Transport Properties within the Argyrodite $\text{Li}_6\text{PS}_5\text{SeI}$. <i>ACS Applied Energy Materials</i> , 2020, 3, 9-18.	5.1	52
9	MXene Tunable Lamellae Architectures for Supercapacitor Electrodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 411-422.	5.1	46
10	Effect of Cationic Exchange on the Hydration and Swelling Behavior of $\text{Ti}_3\text{C}_2\text{T}_z$ MXenes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20044-20050.	3.1	45
11	Solution-based synthesis of lithium thiophosphate superionic conductors for solid-state batteries: a chemistry perspective. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17735-17753.	10.3	82
12	Rapid Crystallization and Kinetic Freezing of Site-Disorder in the Lithium Superionic Argyrodite $\text{Li}_6\text{PS}_5\text{Br}$. <i>Chemistry of Materials</i> , 2019, 31, 10178-10185.	6.7	72
13	Chemical and Electrochemical Intercalation of Ions and Molecules into MXenes. , 2019, , 161-175.		2
14	Pressure-induced shear and interlayer expansion in Ti_3C_2 MXene in the presence of water. <i>Science Advances</i> , 2018, 4, eaao6850.	10.3	75
15	Anion Adsorption, $\text{Ti}_3\text{C}_2\text{T}_z$ MXene Multilayers, and Their Effect on Claylike Swelling. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23172-23179.	3.1	42
16	Alkylammonium Cation Intercalation into Ti_3C_2 (MXene): Effects on Properties and Ion-Exchange Capacity Estimation. <i>Chemistry of Materials</i> , 2017, 29, 1099-1106.	6.7	188
17	The $\{110\}$ reflection in X-ray diffraction of MXene films: Misinterpretation and measurement via non-standard orientation. <i>Journal of the American Ceramic Society</i> , 2017, 100, 5395-5399.	3.8	49
18	Highly Conductive Optical Quality Solution-Processed Films of 2D Titanium Carbide. <i>Advanced Functional Materials</i> , 2016, 26, 4162-4168.	14.9	680

#	ARTICLE	IF	CITATIONS
19	Ion-Exchange and Cation Solvation Reactions in Ti ₃ C ₂ MXene. Chemistry of Materials, 2016, 28, 3507-3514.	6.7	499
20	2D titanium carbide and transition metal oxides hybrid electrodes for Li-ion storage. Nano Energy, 2016, 30, 603-613.	16.0	293
21	Layered Orthorhombic Nb ₂ O ₅ @Nb ₄ C ₃ T _x and TiO ₂ @Ti ₃ C ₂ T _x Hierarchical Composites for High Performance Li-ion Batteries. Advanced Functional Materials, 2016, 26, 4143-4151.	14.9	309
22	Two-dimensional Nb-based M ₄ C ₃ Solid Solutions (MXenes). Journal of the American Ceramic Society, 2016, 99, 660-666.	3.8	234
23	On the interactions of Ti ₂ AlC, Ti ₃ AlC ₂ , Ti ₃ SiC ₂ and Cr ₂ AlC with pure sodium at 550 Å°C and 750 Å°C. Corrosion Science, 2016, 111, 568-573.	6.6	13
24	NMR reveals the surface functionalisation of Ti ₃ C ₂ MXene. Physical Chemistry Chemical Physics, 2016, 18, 5099-5102.	2.8	689
25	On the interactions of Ti ₂ AlC, Ti ₃ AlC ₂ , Ti ₃ SiC ₂ and Cr ₂ AlC with silicon carbide and pyrolytic carbon at 1300 Å°C. Journal of the European Ceramic Society, 2015, 35, 4107-4114.	5.7	24
26	Conductive two-dimensional titanium carbide ~clay™ with high volumetric capacitance. Nature, 2014, 516, 78-81.	27.8	4,306
27	Factors Controlling the Spectroscopic Properties and Supramolecular Chemistry of an Electron Deficient 5,5-Dimethylphlorin Architecture. Journal of Physical Chemistry C, 2014, 118, 14124-14132.	3.1	22
28	Thermal versus Photochemical Reductive Elimination of Aryl Chlorides from NHC-Gold Complexes. Organometallics, 2013, 32, 5026-5029.	2.3	35
29	Synthesis, Electrochemistry, and Photophysics of a Family of Phlorin Macrocycles That Display Cooperative Fluoride Binding. Journal of the American Chemical Society, 2013, 135, 6601-6607.	13.7	61