Maxwell A T Marple

List of Publications by Year
in descending order

30 papers	685 citations	687363 13 h-index	552781 26 g-index
32 all docs	32 docs citations	32 times ranked	904 citing authors

#	Article	IF	Citations
1	Elucidating Reversible Electrochemical Redox of Li₆PS₅Cl Solid Electrolyte. ACS Energy Letters, 2019, 4, 2418-2427.	17.4	288
2	Investigating dry room compatibility of sulfide solid-state electrolytes for scalable manufacturing. Journal of Materials Chemistry A, 2022, 10, 7155-7164.	10.3	41
3	Structure of Amorphous Selenium by 2D ⁷⁷Se NMR Spectroscopy: An End to the Dilemma of Chain versus Ring. Angewandte Chemie - International Edition, 2017, 56, 9777-9781.	13.8	33
4	Structure of TeO2 glass: Results from 2D 125Te NMR spectroscopy. Journal of Non-Crystalline Solids, 2019, 513, 183-190.	3.1	29
5	Grain boundary energy, disordering energy and grain growth kinetics in nanocrystalline MgAl2O4 spinel. Acta Materialia, 2018, 149, 302-311.	7.9	28
6	Reversing the Irreversible: Thermodynamic Stabilization of LiAlH₄ Nanoconfined Within a Nitrogen-Doped Carbon Host. ACS Nano, 2021, 15, 10163-10174.	14.6	24
7	Size-Induced Structural Disorder Enables Ultrahard Oxides. Journal of Physical Chemistry C, 2017, 121, 13898-13905.	3.1	21
8	Chemical Bonding and Transport Properties in Clathrates-I with Cuâ€“Znâ€“P Frameworks. Chemistry of Materials, 2018, 30, 3419-3428.	6.7	21
9	Local Structure of Glassy Lithium Phosphorus Oxynitride Thin Films: A Combined Experimental and Abâ€…Initio Approach. Angewandte Chemie - International Edition, 2020, 59, 22185-22193.	13.8	21
10	Fast Li-Ion Dynamics in Stoichiometric Li2Sâ€“Ga2Se3â€“GeSe2 Glasses. Chemistry of Materials, 2017, 29, 8704-8710.	6.7	20
11	Structure of BaO-TeO2 glasses: A two-dimensional 125Te NMR spectroscopic study. Journal of Non-Crystalline Solids, 2018, 481, 282-288.	3.1	17
12	Synthesis, crystal structure, and advanced NMR characterization of a low temperature polymorph of SiSe₂. Journal of Materials Chemistry A, 2016, 4, 11276-11283.	10.3	14
13	Universality in the non-Newtonian viscous flow behavior of AsxSe1âˆ’x liquids: Results from capillary rheometry. Journal of Non-Crystalline Solids, 2016, 453, 42-45.	3.1	13
14	Superionic conduction of silver in homogeneous chalcogenide glasses. Journal of Materials Chemistry A, 2016, 4, 861-868.	10.3	13
15	Structural modifications induced by Na+/K+ ion exchange in silicate glasses: A multinuclear NMR spectroscopic study. Journal of Non-Crystalline Solids, 2017, 474, 9-15.	3.1	12
16	Structure of Amorphous Selenium by 2D 77 Se NMR Spectroscopy: An End to the Dilemma of Chain versus Ring. Angewandte Chemie, 2017, 129, 9909-9913.	2.0	12
17	Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. Angewandte Chemie - International Edition, 2021, 60, 25815-25824.	13.8	11
18	Observation of a Phonon Softening Effect on Li Ion Conduction in Mixed-Anion Chalcogenide Glasses. Chemistry of Materials, 2018, 30, 5896-5903.	6.7	10

#	Article	IF	Citations
19	An experimental critique on the existence of fragile-to-strong transition in glass-forming liquids. Journal of Non-Crystalline Solids, 2018, 495, 102-106.	3.1	9
20	Structural and Topological Evolution in Si_xSe_{1â€“x} Glasses: Results from 1D and 2D ²⁹Si and ⁷⁷Se NMR Spectroscopy. Journal of Physical Chemistry B, 2017, 121, 4283-4292.	2.6	7
21	Network Structure and Connectivity in SnOâ€“P₂O₅ Glasses: Results from 2D ³¹P and ¹¹⁹Sn NMR Spectroscopy. Journal of Physical Chemistry B, 2018, 122, 7416-7425.	2.6	7
22	LiSi₃As₆and Li₂SiAs₂with flexible SiAs₂polyanions: synthesis, structure, bonding, and ionic conductivity. Journal of Materials Chemistry A, 2020, 8, 3322-3332.	10.3	7
23	Structure and physical properties of glasses in the system Ag2Seâ€“Ga2Se3â€“GeSe2. Journal of Non-Crystalline Solids, 2016, 437, 34-42.	3.1	5
24	Synthesis and structural characterization of stoichiometric Li-Ga-Ge Sulfo-selenide glasses. Journal of Non-Crystalline Solids, 2017, 457, 44-51.	3.1	5
25	Atomistic interpretation of the ac-dc crossover frequency in crystalline and glassy ionic conductors. Journal of Chemical Physics, 2018, 148, 204507.	3.0	5
26	Fragility and aging behavior of SixSe1â^'x glasses and liquids. Journal of Chemical Physics, 2019, 150, 044506.	3.0	4
27	Na+/K+ ion exchange in silicate glasses: Results from 17O 3QMAS NMR. Journal of Non-Crystalline Solids, 2017, 475, 190-194.	3.1	3
28	Local Structure of Glassy Lithium Phosphorus Oxynitride Thin Films: A Combined Experimental and Abâ€…Initio Approach. Angewandte Chemie, 2020, 132, 22369-22377.	2.0	3
29	Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. Angewandte Chemie, 2021, 133, 26019-26028.	2.0	2
30	RÃ¼cktitelbild: Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage (Angew. Chem. 49/2021). Angewandte Chemie, 2021, 133, 26204-26204.	2.0	0