

Maxwell A T Marple

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Investigating dry room compatibility of sulfide solid-state electrolytes for scalable manufacturing. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7155-7164.	10.3	41
2	Reversing the Irreversible: Thermodynamic Stabilization of LiAlH_4 Nanoconfined Within a Nitrogen-Doped Carbon Host. <i>ACS Nano</i> , 2021, 15, 10163-10174.	14.6	24
3	Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. <i>Angewandte Chemie</i> , 2021, 133, 26019-26028.	2.0	2
4	Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25815-25824.	13.8	11
5	Rücktitelbild: Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage (<i>Angew. Chem.</i> 49/2021). <i>Angewandte Chemie</i> , 2021, 133, 26204-26204.	2.0	0
6	Local Structure of Glassy Lithium Phosphorus Oxynitride Thin Films: A Combined Experimental and Ab Initio Approach. <i>Angewandte Chemie</i> , 2020, 132, 22369-22377.	2.0	3
7	Local Structure of Glassy Lithium Phosphorus Oxynitride Thin Films: A Combined Experimental and Ab Initio Approach. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22185-22193.	13.8	21
8	LiSi_3As_6 and Li_2SiAs_2 with flexible SiAs_2 polyanions: synthesis, structure, bonding, and ionic conductivity. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3322-3332.	10.3	7
9	Elucidating Reversible Electrochemical Redox of $\text{Li}_6\text{PS}_5\text{Cl}$ Solid Electrolyte. <i>ACS Energy Letters</i> , 2019, 4, 2418-2427.	17.4	288
10	Fragility and aging behavior of SixSe_{1-x} glasses and liquids. <i>Journal of Chemical Physics</i> , 2019, 150, 044506.	3.0	4
11	Structure of TeO_2 glass: Results from 2D ^{125}Te NMR spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2019, 513, 183-190.	3.1	29
12	Grain boundary energy, disordering energy and grain growth kinetics in nanocrystalline MgAl_2O_4 spinel. <i>Acta Materialia</i> , 2018, 149, 302-311.	7.9	28
13	Chemical Bonding and Transport Properties in Clathrates-I with Cu-Zn-P Frameworks. <i>Chemistry of Materials</i> , 2018, 30, 3419-3428.	6.7	21
14	Structure of BaO-TeO_2 glasses: A two-dimensional ^{125}Te NMR spectroscopic study. <i>Journal of Non-Crystalline Solids</i> , 2018, 481, 282-288.	3.1	17
15	An experimental critique on the existence of fragile-to-strong transition in glass-forming liquids. <i>Journal of Non-Crystalline Solids</i> , 2018, 495, 102-106.	3.1	9
16	Atomistic interpretation of the ac-dc crossover frequency in crystalline and glassy ionic conductors. <i>Journal of Chemical Physics</i> , 2018, 148, 204507.	3.0	5
17	Network Structure and Connectivity in SnO_2O_5 Glasses: Results from 2D ^{31}P and ^{119}Sn NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7416-7425.	2.6	7
18	Observation of a Phonon Softening Effect on Li Ion Conduction in Mixed-Anion Chalcogenide Glasses. <i>Chemistry of Materials</i> , 2018, 30, 5896-5903.	6.7	10

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19	Size-Induced Structural Disorder Enables Ultrahard Oxides. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13898-13905.	3.1	21
20	Structural and Topological Evolution in $\text{Si}_x\text{Se}_{1-x}$ Glasses: Results from 1D and 2D ^{29}Si and ^{77}Se NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4283-4292.	2.6	7
21	Synthesis and structural characterization of stoichiometric Li-Ga-Ge Sulfo-selenide glasses. <i>Journal of Non-Crystalline Solids</i> , 2017, 457, 44-51.	3.1	5
22	Fast Li-Ion Dynamics in Stoichiometric $\text{Li}_2\text{S}\cdot\text{Ga}_2\text{Se}_3\cdot\text{GeSe}_2$ Glasses. <i>Chemistry of Materials</i> , 2017, 29, 8704-8710.	6.7	20
23	Structural modifications induced by Na+/K+ ion exchange in silicate glasses: A multinuclear NMR spectroscopic study. <i>Journal of Non-Crystalline Solids</i> , 2017, 474, 9-15.	3.1	12
24	Na+/K+ ion exchange in silicate glasses: Results from 17O 3QMAS NMR. <i>Journal of Non-Crystalline Solids</i> , 2017, 475, 190-194.	3.1	3
25	Structure of Amorphous Selenium by 2D ^{77}Se NMR Spectroscopy: An End to the Dilemma of Chain versus Ring. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9777-9781.	13.8	33
26	Structure of Amorphous Selenium by 2D ^{77}Se NMR Spectroscopy: An End to the Dilemma of Chain versus Ring. <i>Angewandte Chemie</i> , 2017, 129, 9909-9913.	2.0	12
27	Synthesis, crystal structure, and advanced NMR characterization of a low temperature polymorph of SiSe_2 . <i>Journal of Materials Chemistry A</i> , 2016, 4, 11276-11283.	10.3	14
28	Universality in the non-Newtonian viscous flow behavior of $\text{As}_x\text{Se}_{1-x}$ liquids: Results from capillary rheometry. <i>Journal of Non-Crystalline Solids</i> , 2016, 453, 42-45.	3.1	13
29	Superionic conduction of silver in homogeneous chalcogenide glasses. <i>Journal of Materials Chemistry A</i> , 2016, 4, 861-868.	10.3	13
30	Structure and physical properties of glasses in the system $\text{Ag}_2\text{Se}\cdot\text{Ga}_2\text{Se}_3\cdot\text{GeSe}_2$. <i>Journal of Non-Crystalline Solids</i> , 2016, 437, 34-42.	3.1	5