

Lauren M Garten

List of Publications by Year in descending order

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21
papers

487
citations

1040056

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19
g-index

21
all docs

21
docs citations

21
times ranked

1092
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding crystallization pathways leading to manganese oxide polymorph formation. Nature Communications, 2018, 9, 2553.	12.8	98
2	Computational Approach for Epitaxial Polymorph Stabilization through Substrate Selection. ACS Applied Materials & Interfaces, 2016, 8, 13086-13093.	8.0	78
3	The existence and impact of persistent ferroelectric domains in MAPbI ₃ . Science Advances, 2019, 5, eaas9311.	10.3	77
4	High-fraction brookite films from amorphous precursors. Scientific Reports, 2017, 7, 15232.	3.3	56
5	Relaxor Ferroelectric Behavior in Barium Strontium Titanate. Journal of the American Ceramic Society, 2016, 99, 1645-1650.	3.8	40
6	Negative-pressure polymorphs made by heterostructural alloying. Science Advances, 2018, 4, eaaq1442.	10.3	34
7	Structure property relationships in gallium oxide thin films grown by pulsed laser deposition. MRS Communications, 2016, 6, 348-353.	1.8	17
8	Influence of amorphous structure on polymorphism in vanadia. APL Materials, 2016, 4, .	5.1	15
9	Selective brookite polymorph formation related to the amorphous precursor state in TiO ₂ thin films. Journal of Non-Crystalline Solids, 2019, 505, 109-114.	3.1	13
10	Enhanced dielectric and piezoelectric responses in Zn _{1-x} Mg _x O thin films near the phase separation boundary. Applied Physics Letters, 2017, 110, .	3.3	9
11	Utilizing TiO ₂ amorphous precursors for polymorph selection: An in situ TEM study of phase formation and kinetics. Journal of the American Ceramic Society, 2020, 103, 2899-2907.	3.8	9
12	Phase formation of manganese oxide thin films using pulsed laser deposition. Materials Advances, 2021, 2, 303-309.	5.4	9
13	Physically based DC lifetime model for lead zirconate titanate films. Applied Physics Letters, 2017, 111, .	3.3	7
14	Theory-Guided Synthesis of a Metastable Lead-Free Piezoelectric Polymorph. Advanced Materials, 2018, 30, 1800559.	21.0	6
15	Stromataxic Stabilization of a Metastable Layered ScFeO ₃ Polymorph. Chemistry of Materials, 2021, 33, 7423-7431.	6.7	6
16	Enhancing Converse Magnetoelectric Coupling Through Strain Engineering in Artificial Multiferroic Heterostructures. ACS Applied Materials & Interfaces, 2022, 14, 25701-25709.	8.0	6
17	Correlative Raman spectroscopy and focused ion beam for targeted phase boundary analysis of titania polymorphs. Ultramicroscopy, 2018, 188, 48-51.	1.9	5
18	Understanding Crystallization Pathways of MnO _x Polymorph Formation via in-situ X-ray Scattering. Microscopy and Microanalysis, 2018, 24, 1486-1487.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Exploring the Link Between Amorphous Structure and Crystallization Behavior of Titania Thin Films by Electron-Based Pair Distribution Functions and in-situ TEM. <i>Microscopy and Microanalysis</i> , 2019, 25, 1506-1507.	0.4	1
20	Investigation of Local A-site Chemistry in Barium Strontium Titanate Using Aberration Corrected STEM, EELS and EDS. <i>Microscopy and Microanalysis</i> , 2014, 20, 1992-1993.	0.4	0
21	Correlative Raman Spectroscopy and Focused Ion Beam for Targeted Microstructural Analysis of Titania Polymorphs. <i>Microscopy and Microanalysis</i> , 2017, 23, 1642-1643.	0.4	0