

Michelle Dolgos

List of Publications by Year in descending order

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28
papers

1,592
citations

566801

15
h-index

552369

26
g-index

30
all docs

30
docs citations

30
times ranked

2455
citing authors

#	ARTICLE	IF	CITATIONS
1	New Mechanistic Insights on Na-Ion Storage in Nongraphitizable Carbon. Nano Letters, 2015, 15, 5888-5892.	4.5	662
2	Mechanism of Na-Ion Storage in Hard Carbon Anodes Revealed by Heteroatom Doping. Advanced Energy Materials, 2017, 7, 1602894.	10.2	332
3	High Capacity of Hard Carbon Anode in Na-Ion Batteries Unlocked by PO _x Doping. ACS Energy Letters, 2016, 1, 395-401.	8.8	172
4	A review of the structure-property relationships in lead-free piezoelectric (1-x)Na _{0.5} Bi _{0.5} TiO ₃ -(x)BaTiO ₃ . Journal of Solid State Chemistry, 2016, 242, 140-147.	1.4	63
5	Applications of Piezoelectrics: Old and New. Chemistry of Materials, 2018, 30, 8718-8726.	3.2	54
6	Combining Experimental and Theoretical Techniques to Gain an Atomic Level Understanding of the Defect Binding Mechanism in Hard Carbon Anodes for Sodium Ion Batteries. Advanced Energy Materials, 2022, 12, .	10.2	38
7	Synthesis and Systematic Trends in Structure and Electrical Properties of [(SnSe) _{1.15} m(VSe ₂) ₁ , m = 1, 2, 3, and 4. Chemistry of Materials, 2014, 26, 2862-2872.	3.2	33
8	Neutron Total Scattering Studies of Group II Titanates (ATiO ₃ , A ²⁺ = Mg, Ca, Sr, Ba). Scientific Reports, 2020, 10, 3729.	1.6	32
9	Chemical control of octahedral tilting and off-axis A cation displacement allows ferroelectric switching in a bismuth-based perovskite. Chemical Science, 2012, 3, 1426.	3.7	25
10	The atomic level journey from aqueous polyoxometalate to metal oxide. Journal of Solid State Chemistry, 2015, 221, 418-425.	1.4	21
11	Dielectric and Ferroelectric Properties in Highly Substituted Bi ₂ Sr(A)TiNb ₂ O ₁₂ (A = Ca ²⁺ , Sr ²⁺), Tj ETQq1 1 0.284314 2gBT /Over	3.8	20
12	Total scattering and diffraction studies of lead-free piezoelectric (1-x)Ba(Zr _{0.2} Ti _{0.8})O ₃ -x(Ba _{0.7} Ca _{0.3})TiO ₃ deconvolute intrinsic and extrinsic contributions to electromechanical strain. Acta Materialia, 2019, 171, 79-91.	3.8	20
13	Aqueous tantalum polyoxometalate reactivity with peroxide. Dalton Transactions, 2017, 46, 8486-8493.	1.6	16
14	Perovskite Bi-Site Compositional Control of [110] _p Polar Displacement Coupling in an Ambient-Pressure-Stable Bismuth-based Ferroelectric. Angewandte Chemie - International Edition, 2012, 51, 10770-10775.	7.2	15
15	Isolation and Chemical Transformations Involving a Reactive Intermediate of MOF-5. Crystal Growth and Design, 2015, 15, 4781-4786.	1.4	15
16	Synthesis and Solid-State Structural Characterization of a Series of Aqueous Heterometallic Tridecameric Group 13 Clusters. Inorganic Chemistry, 2015, 54, 3913-3920.	1.9	9
17	Probing the local structure of crystalline NaBiO ₃ ·xH ₂ O and its acidified derivatives. Journal of Solid State Chemistry, 2018, 263, 216-223.	1.4	9
18	Perovskite Bi-Site Compositional Control of [110] _p Polar Displacement Coupling in an Ambient-Pressure-Stable Bismuth-based Ferroelectric. Angewandte Chemie, 2012, 124, 10928-10933.	1.6	8

#	ARTICLE	IF	CITATIONS
19	Understanding the structure-property relationships of the ferroelectric to relaxor transition of the $(1-x)\text{BaTiO}_3-x\text{BiInO}_3$ lead-free piezoelectric system. <i>Journal of Materials Science</i> , 2017, 52, 5309-5323.	1.7	8
20	An investigation into group 13 (Al, Ga, In) substituted $(\text{Na}_{0.5}\text{Bi}_{0.5})\text{TiO}_3\text{-BaTiO}_3$ (NBT-BT) lead-free piezoelectrics. <i>Journal of Alloys and Compounds</i> , 2018, 762, 378-388.	2.8	7
21	Sizing up $(\text{K}_{1-x}\text{Na}_x)\text{NbO}_3$ films: a review of synthesis routes, properties & applications. <i>New Journal of Chemistry</i> , 2021, 45, 7408-7436.	1.4	7
22	Using simple aqueous precursors for a green synthetic pathway to potassium sodium niobate thin films. <i>Thin Solid Films</i> , 2020, 710, 138270.	0.8	6
23	The local structure of $0.5\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3\text{-}0.5(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ from neutron total scattering measurements and multi-edge X-ray absorption analysis. <i>Materials Research Bulletin</i> , 2021, 135, 111124.	2.7	6
24	Water-dispersible and ferroelectric PEGylated barium titanate nanoparticles. <i>Materials Advances</i> , 2021, 2, 5089-5095.	2.6	5
25	Low temperature synthesis route and structural characterization of $(\text{Bi}_{0.5-x}\text{A}_{x}\text{Sc}_{0.5})\text{Nb}_{0.5}\text{O}_3$ ($\text{A} = \text{Ti, Bi, Pb}$) thin films. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10784-10791.	1.0	4
26	Enhanced Piezoelectric Properties From the Electric Field-Induced Ferroelectric Transition at the MPB of $\text{BiGaO}_{1/2}\text{-Substituted Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_{1/2}\text{-BaTiO}_{1/2}$ (NBT-BT). <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 288-295.	1.7	4
27	Special Issue on the Contributions of Women in Ferroelectrics Research and Development. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 215-216.	1.7	0
28	Dielectric Properties of $x\text{BiInO}_3\text{-}(1-x)\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$ Solid Solutions. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 1972-1978.	1.7	0