

# Michelle Dolgos

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Combining Experimental and Theoretical Techniques to Gain an Atomic Level Understanding of the Defect Binding Mechanism in Hard Carbon Anodes for Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	38
2	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
3	Enhanced Piezoelectric Properties From the Electric Field-Induced Ferroelectric Transition at the MPB of $\text{BiCaO}_{1/2}\text{-}f\text{-}(\text{Bi}_{1/2}\text{-}f\text{-}\text{TiO}_{1/2}\text{-}f\text{-}\text{BaTiO}_{1/2}\text{-}f)$ (NBT-BT). <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 288-295.	1.7	4
4	Water-dispersible and ferroelectric PEGylated barium titanate nanoparticles. <i>Materials Advances</i> , 2021, 2, 5089-5095.	2.6	5
5	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
6	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
7	Dielectric Properties of $x\text{BiInO}_{1-x}\text{-}f\text{-}((1-x)\text{Pb}(\text{Zr}_{\epsilon,\dots,\hat{a}},\text{Ti}_{\epsilon,\dots,\hat{a}})\text{O}_{1-x})$ Solid Solutions. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 1972-1978.	1.7	0
8	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
9	Neutron Total Scattering Studies of Group II Titanates ( $\text{ATiO}_3$ , $\text{A}^{2+} = \text{Mg, Ca, Sr, Ba}$ ). <i>Scientific Reports</i> , 2020, 10, 3729.	1.6	32
10	Total scattering and diffraction studies of lead-free piezoelectric $(1-x)\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3\text{-}x(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ deconvolute intrinsic and extrinsic contributions to electromechanical strain. <i>Acta Materialia</i> , 2019, 171, 79-91.	3.8	20
11	Low temperature synthesis route and structural characterization of $(\text{Bi}_{0.5-x}\text{-}f\text{-}\text{A})_{0.5}\text{-}f\text{-}(\text{Sc}_{0.5}\text{-}f\text{-}\text{Nb}_{0.5}\text{-}f\text{-}\text{O})_3$ ( $\text{A} = \text{Bi, Tl}$ ) <a href="#">Tj ETQq1 1 04784314.pdf</a>	1.7	1
12	Applications of Piezoelectrics: Old and New. <i>Chemistry of Materials</i> , 2018, 30, 8718-8726.	3.2	54
13	Probing the local structure of crystalline $\text{NaBiO}_3\text{-}x\text{H}_2\text{O}$ and its acidified derivatives. <i>Journal of Solid State Chemistry</i> , 2018, 263, 216-223.	1.4	9
14	An investigation into group 13 (Al, Ga, In) substituted $(\text{Na}_{0.5}\text{Bi}_{0.5})\text{TiO}_3\text{-}f\text{-}\text{BaTiO}_3$ (NBT-BT) lead-free piezoelectrics. <i>Journal of Alloys and Compounds</i> , 2018, 762, 378-388.	2.8	7
15	Understanding the structure-property relationships of the ferroelectric to relaxor transition of the $(1-x)\text{BaTiO}_3\text{-}f\text{-}x\text{BiInO}_3$ lead-free piezoelectric system. <i>Journal of Materials Science</i> , 2017, 52, 5309-5323.	1.7	8
16	Mechanism of Na-ion Storage in Hard Carbon Anodes Revealed by Heteroatom Doping. <i>Advanced Energy Materials</i> , 2017, 7, 1602894.	10.2	332
17	Aqueous tantalum polyoxometalate reactivity with peroxide. <i>Dalton Transactions</i> , 2017, 46, 8486-8493.	1.6	16
18	Dielectric and Ferroelectric Properties in Highly Substituted $\text{Bi}_{2-x}\text{-}f\text{-}\text{Sr}(\text{A})\text{TiNb}_2\text{-}f\text{-}\text{O}_{12}$ ( $\text{A} = \text{Ca}^{2+}, \text{Sr}^{2+}$ ) <a href="#">Tj ETQq0 0 04784314.pdf</a>	1.7	1

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19	High Capacity of Hard Carbon Anode in Na-Ion Batteries Unlocked by PO <sub>x</sub> Doping. ACS Energy Letters, 2016, 1, 395-401.	8.8	172
20	A review of the structure-property relationships in lead-free piezoelectric (1-x)Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -xBaTiO <sub>3</sub> . Journal of Solid State Chemistry, 2016, 242, 140-147.	1.4	63
21	New Mechanistic Insights on Na-Ion Storage in Nongraphitizable Carbon. Nano Letters, 2015, 15, 5888-5892.	4.5	662
22	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
23	Isolation and Chemical Transformations Involving a Reactive Intermediate of MOF-5. Crystal Growth and Design, 2015, 15, 4781-4786.	1.4	15
24	The atomic level journey from aqueous polyoxometalate to metal oxide. Journal of Solid State Chemistry, 2015, 221, 418-425.	1.4	21
25	Synthesis and Systematic Trends in Structure and Electrical Properties of [(SnSe) <sub>1.15</sub> m(VSe <sub>2</sub> ) <sub>1</sub> ], m = 1, 2, 3, and 4. Chemistry of Materials, 2014, 26, 2862-2872.	3.2	33
26	Perovskite B-site Compositional Control of [110] <sub>p</sub> Polar Displacement Coupling in an Ambient-Pressure-Stable Bismuth-based Ferroelectric. Angewandte Chemie, 2012, 124, 10928-10933.	1.6	8
27	Perovskite B-site Compositional Control of [110] <sub>p</sub> Polar Displacement Coupling in an Ambient-Pressure-Stable Bismuth-based Ferroelectric. Angewandte Chemie - International Edition, 2012, 51, 10770-10775.	7.2	15
28	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