

Sarah Shulda

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Reactive Vapor-Phase Additives toward Destabilizing $\hat{\text{I}}^3\text{-Mg}(\text{BH}_{4})_{2}$ for Improved Hydrogen Release. ACS Applied Energy Materials, 2022, 5, 1690-1700.	5.1	5
2	Formation of $6\text{H-Ba}_{3}\text{Ce}_{0.75}\text{Mn}_{2.25}\text{O}_{9}$ during Thermochemical Reduction of $12\text{R-Ba}_{4}\text{CeMn}_{3}\text{O}_{12}$: Identification of a Polytype in the $\text{Ba}(\text{Ce,Mn})\text{O}_{3}$ Family. Inorganic Chemistry, 2022, 61, 6128-6137.	4.0	6
3	Cubes to Cubes: Organization of MgO Particles into One-Dimensional and Two-Dimensional Nanostructures. Crystal Growth and Design, 2021, 21, 4674-4682.	3.0	17
4	Fine-Tuning a Robust Metal-Organic Framework toward Enhanced Clean Energy Gas Storage. Journal of the American Chemical Society, 2021, 143, 18838-18843.	13.7	79
5	Structural resolution and mechanistic insight into hydrogen adsorption in flexible ZIF-7. Chemical Science, 2021, 12, 15620-15631.	7.4	18
6	Iridium Atoms Bonded to Crystalline Powder MgO: Characterization by Imaging and Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 459-468.	3.1	10
7	Colloidal three-dimensional covalent organic frameworks and their application as porous liquids. Journal of Materials Chemistry A, 2020, 8, 23455-23462.	10.3	37
8	Thermal Activation of a Copper-Loaded Covalent Organic Framework for Near-Ambient Temperature Hydrogen Storage and Delivery. , 2020, 2, 227-232.		21
9	Characterization of Complex Interactions at the Gas-Solid Interface with in Situ Spectroscopy: The Case of Nitrogen-Functionalized Carbon. Journal of Physical Chemistry C, 2019, 123, 9074-9086.	3.1	17
10	2D and 3D Characterization of PtNi Nanowire Electrode Composition and Structure. ACS Applied Nano Materials, 2019, 2, 525-534.	5.0	10
11	Iridium-Based Nanowires as Highly Active, Oxygen Evolution Reaction Electrocatalysts. ACS Catalysis, 2018, 8, 2111-2120.	11.2	166
12	Carbon Capture by Metal Oxides: Unleashing the Potential of the (111) Facet. Journal of the American Chemical Society, 2018, 140, 4736-4742.	13.7	83
13	Exceptional Oxygen Reduction Reaction Activity and Durability of Platinum-Nickel Nanowires through Synthesis and Post-Treatment Optimization. ACS Omega, 2017, 2, 1408-1418.	3.5	53
14	Modulation Excitation Spectroscopy with Phase-Sensitive Detection for Surface Analysis. , 2016, , 121-132.		1
15	Synthesis of a mixed-valent tin nitride and considerations of its possible crystal structures. Journal of Chemical Physics, 2016, 144, 144201.	3.0	29