

# Danielle M Butts

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

1,718  
citations

1306789

7  
h-index

1199166

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

2347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transparent silica aerogel slabs synthesized from nanoparticle colloidal suspensions at near ambient conditions on omniphobic liquid substrates. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 884-897.	5.0	6
2	Mechanistic Insight and Local Structure Evolution of NiPS <sub>3</sub> upon Electrochemical Lithiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 3980-3990.	4.0	9
3	Temperature-Dependent Reaction Pathways in FeS <sub>2</sub> : Reversibility and the Electrochemical Formation of Fe <sub>3</sub> S <sub>4</sub> . <i>Chemistry of Materials</i> , 2022, 34, 5422-5432.	3.2	7
4	Fe-Substituted Sodium $\beta$ -Al <sub>2</sub> O <sub>3</sub> as a High-Rate Na-Ion Electrode. <i>Chemistry of Materials</i> , 2021, 33, 6136-6145.	3.2	6
5	Avoiding dendrite formation by confining lithium deposition underneath Li-Sn coatings. <i>Journal of Materials Research</i> , 2021, 36, 797-811.	1.2	4
6	Siloxane-Modified, Silica-Based Ionogel as a Pseudosolid Electrolyte for Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 154-163.	2.5	7
7	Achieving high energy density and high power density with pseudocapacitive materials. <i>Nature Reviews Materials</i> , 2020, 5, 5-19.	23.3	1,138
8	Pseudocapacitive Vanadium-based Materials toward High-Rate Sodium-Ion Storage. <i>Energy and Environmental Materials</i> , 2020, 3, 221-234.	7.3	95
9	Engineering mesoporous silica for superior optical and thermal properties. <i>MRS Energy &amp; Sustainability</i> , 2020, 7, 1.	1.3	11
10	Effect of surface hydroxyl groups on heat capacity of mesoporous silica. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	11
11	Sulfide Solid Electrolytes for Lithium Battery Applications. <i>Advanced Energy Materials</i> , 2018, 8, 1800933.	10.2	407
12	Degradation of (La <sub>0.8</sub> Sr <sub>0.2</sub> ) <sub>0.98</sub> MnO <sub>3</sub> $\delta$ $\delta$ Zr <sub>0.84</sub> Y <sub>0.16</sub> O <sub>2</sub> $\delta$ $\delta$ composite electrodes during reversing current operation. <i>Faraday Discussions</i> , 2015, 182, 365-377.		