

# Danielle M Butts

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6476874/publications.pdf>

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	Achieving high energy density and high power density with pseudocapacitive materials. <i>Nature Reviews Materials</i> , 2020, 5, 5-19.	23.3	1,138
2	Sulfide Solid Electrolytes for Lithium Battery Applications. <i>Advanced Energy Materials</i> , 2018, 8, 1800933.	10.2	407
3	Pseudocapacitive Vanadium-based Materials toward High-Rate Sodium-Ion Storage. <i>Energy and Environmental Materials</i> , 2020, 3, 221-234.	7.3	95
4	Degradation of $(\text{La}_{0.8}\text{Sr}_{0.2})_{0.98}\text{MnO}_{3-\delta}\text{Zr}_{0.84}\text{Y}_{0.16}\text{O}_{2-\delta}$ composite electrodes during reversing current operation. <i>Faraday Discussions</i> , 2015, 182, 365-377.	1.5	11
5	Effect of surface hydroxyl groups on heat capacity of mesoporous silica. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	11
6	Engineering mesoporous silica for superior optical and thermal properties. <i>MRS Energy &amp; Sustainability</i> , 2020, 7, 1.	1.3	11
7	Mechanistic Insight and Local Structure Evolution of $\text{NiPS}_3$ upon Electrochemical Lithiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 3980-3990.	4.0	9
8	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
9	Temperature-Dependent Reaction Pathways in $\text{FeS}_2$ : Reversibility and the Electrochemical Formation of $\text{Fe}_3\text{S}_4$ . <i>Chemistry of Materials</i> , 2022, 34, 5422-5432.	3.2	7
10	Fe-Substituted Sodium $\text{Al}_2\text{O}_3$ as a High-Rate Na-Ion Electrode. <i>Chemistry of Materials</i> , 2021, 33, 6136-6145.	3.2	6
11	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
12	Avoiding dendrite formation by confining lithium deposition underneath $\text{Li-Sn}$ coatings. <i>Journal of Materials Research</i> , 2021, 36, 797-811.	1.2	4