

Danielle M Butts

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

1,718
citations

1307594

7
h-index

1199594

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.	48.7	1,138
2	Sulfide Solid Electrolytes for Lithium Battery Applications. <i>Advanced Energy Materials</i> , 2018, 8, 1800933.	19.5	407
3	Pseudocapacitive Vanadium-based Materials toward High-Rate Sodium-Ion Storage. <i>Energy and Environmental Materials</i> , 2020, 3, 221-234.	12.8	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.	3.7	17
5	Effect of surface hydroxyl groups on heat capacity of mesoporous silica. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	11
6	Engineering mesoporous silica for superior optical and thermal properties. <i>MRS Energy & Sustainability</i> , 2020, 7, 1.	3.0	11
7	Mechanistic Insight and Local Structure Evolution of NiPS_3 upon Electrochemical Lithiation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 3980-3990.	8.0	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.	5.1	7
9	Temperature-Dependent Reaction Pathways in FeS_2 : Reversibility and the Electrochemical Formation of Fe_3S_4 . <i>Chemistry of Materials</i> , 2022, 34, 5422-5432.	6.7	7
10	Fe-Substituted Sodium Al_2O_3 as a High-Rate Na-Ion Electrode. <i>Chemistry of Materials</i> , 2021, 33, 6136-6145.	6.7	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.	9.4	6
12	Avoiding dendrite formation by confining lithium deposition underneath Li-Sn coatings. <i>Journal of Materials Research</i> , 2021, 36, 797-811.	2.6	4