John B Cook

List of Publications by Year in descending order

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17 papers	3,549 citations	567281 15 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	6046 citing authors

#	Article	IF	Citations
1	Oxygen vacancies enhance pseudocapacitive charge storage properties of MoO3â^'x. Nature Materials, 2017, 16, 454-460.	27.5	1,632
2	High Performance Pseudocapacitor Based on 2D Layered Metal Chalcogenide Nanocrystals. Nano Letters, 2015, 15, 1911-1917.	9.1	495
3	Mesoporous MoS₂ as a Transition Metal Dichalcogenide Exhibiting Pseudocapacitive Li and Naâ€Ion Charge Storage. Advanced Energy Materials, 2016, 6, 1501937.	19.5	395
4	Pseudocapacitive Charge Storage in Thick Composite MoS₂ Nanocrystalâ€Based Electrodes. Advanced Energy Materials, 2017, 7, 1601283.	19.5	230
5	The Development of Pseudocapacitive Properties in Nanosized-MoO₂. Journal of the Electrochemical Society, 2015, 162, A5083-A5090.	2.9	170
6	Mesoporous Ni₆₀Fe₃₀Mn₁₀-alloy based metal/metal oxide composite thick films as highly active and robust oxygen evolution catalysts. Energy and Environmental Science, 2016, 9, 540-549.	30.8	166
7	Revealing the role of the cathodeâ€“electrolyte interface on solid-state batteries. Nature Materials, 2021, 20, 1392-1400.	27.5	106
8	Nanoporous Tin with a Granular Hierarchical Ligament Morphology as a Highly Stable Li-Ion Battery Anode. ACS Applied Materials & Interfaces, 2017, 9, 293-303.	8.0	60
9	Surface Chemistry Consequences of Mg-Based Coatings on LiNi_{0.5}Mn_{1.5}O₄ Electrode Materials upon Operation at High Voltage. Journal of Physical Chemistry C, 2014, 118, 10596-10605.	3.1	53
10	Using Nanoscale Domain Size To Control Charge Storage Kinetics in Pseudocapacitive Nanoporous LiMn₂O₄Powders. ACS Energy Letters, 2017, 2, 2293-2298.	17.4	51
11	Using X-ray Microscopy To Understand How Nanoporous Materials Can Be Used To Reduce the Large Volume Change in Alloy Anodes. Nano Letters, 2017, 17, 870-877.	9.1	48
12	Tuning Porosity and Surface Area in Mesoporous Silicon for Application in Li-Ion Battery Electrodes. ACS Applied Materials & Interfaces, 2017, 9, 19063-19073.	8.0	48
13	Suppression of Electrochemically Driven Phase Transitions in Nanostructured MoS₂ Pseudocapacitors Probed Using Operando X-ray Diffraction. ACS Nano, 2019, 13, 1223-1231.	14.6	36
14	Deterministic Design of Chemistry and Mesostructure in Li-Ion Battery Electrodes. ACS Nano, 2018, 12, 3060-3064.	14.6	20
15	Tuning ligament shape in dealloyed nanoporous tin and the impact of nanoscale morphology on its applications in Na-ion alloy battery anodes. Physical Review Materials, 2018, 2, .	2.4	20
16	The Effect of Al Substitution on the Chemical and Electrochemical Phase Stability of Orthorhombic LiMnO₂. Journal of the Electrochemical Society, 2013, 160, A46-A52.	2.9	16
17	Mesoporous MoO2 thin films for high rate Li+ storage: Effect of crystallinity and porous structure. Solid State Sciences, 2022, 129, 106890.	3.2	3