

David N Miller

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

1,482
citations

9
h-index

17
g-index

17
ext. papers

1,812
ext. citations

12.7
avg, IF

4.59
L-index

#	Paper	IF	Citations
15	In situ growth of nanoparticles through control of non-stoichiometry. <i>Nature Chemistry</i> , 2013 , 5, 916-23	17.6	569
14	Nano-socketed nickel particles with enhanced coking resistance grown in situ by redox exsolution. <i>Nature Communications</i> , 2015 , 6, 8120	17.4	438
13	Switching on electrocatalytic activity in solid oxide cells. <i>Nature</i> , 2016 , 537, 528-531	50.4	276
12	Demonstration of chemistry at a point through restructuring and catalytic activation at anchored nanoparticles. <i>Nature Communications</i> , 2017 , 8, 1855	17.4	87
11	Development of novel anode material for intermediate temperature SOFC (IT-SOFC). <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11117-11123	13	26
10	Scale Up and Anode Development for La-Doped SrTiO ₃ Anode-Supported SOFCs. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1718-1723	3.8	25
9	Platinum incorporation into titanate perovskites to deliver emergent active and stable platinum nanoparticles. <i>Nature Chemistry</i> , 2021 , 13, 677-682	17.6	16
8	Studies on the crystal structure, magnetic and conductivity properties of titanium oxycarbide solid solution (TiO _{1-x} C _x). <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5730-5736	13	15
7	Multifaceted Study of the Interactions between CPO-27-Ni and Polyurethane and Their Impact on Nitric Oxide Release Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 58263-58276	9.5	9
6	Metal-oxide interactions for infiltrated Ni nanoparticles on A-site deficient La _x Sr _{1-x} B _x /2TiO ₃ . <i>Solid State Ionics</i> , 2018 , 315, 126-130	3.3	7
5	Hiding extra-framework cations in zeolites L and Y by internal ion exchange and its effect on CO ₂ adsorption. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3280-3292	13	4
4	Cation Ordering and Exsolution in Copper-Containing Forms of the Flexible Zeolite Rho (Cu,M-Rho; M=H, Na) and Their Consequences for CO Adsorption. <i>Chemistry - A European Journal</i> , 2021 , 27, 13029-13039	4.8	3
3	Atomic Layer Fluorination of 5 V Class Positive Electrode Material LiCoPO ₄ for Enhanced Electrochemical Performance. <i>Batteries and Supercaps</i> , 2020 , 3, 1051-1058	5.6	1
2	Enhanced Cycling Performance of Magnesium-Doped Lithium Cobalt Phosphate. <i>ChemElectroChem</i> , 2019 , 6, 4885-4892	4.3	1
1	Simultaneous CO ₂ removal from biomass conversion product gas and carbon nanotube formation via catalytic chemical vapour deposition. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 2604-2614	5.8	0