David N Miller

List of Publications by Year in Descending Order

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	Platinum incorporation into titanate perovskites to deliver emergent active and stable platinum nanoparticles. *Nature Chemistry*, **2021**, 13, 677-682	17.6	16
14	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. *Chemistry - A European Journal*, **2021**, 27, 13029-13039	4.8	3
13	Atomic Layer Fluorination of 5 V Class Positive Electrode Material LiCoPO4 for Enhanced Electrochemical Performance. *Batteries and Supercaps*, **2020**, 3, 1051-1058	5.6	1
12	Hiding extra-framework cations in zeolites L and Y by internal ion exchange and its effect on CO2 adsorption. *Journal of Materials Chemistry A*, **2020**, 8, 3280-3292	13	4
11	Multifaceted Study of the Interactions between CPO-27-Ni and Polyurethane and Their Impact on Nitric Oxide Release Performance. *ACS Applied Materials & Interfaces*, **2020**, 12, 58263-58276	9.5	9
10	Simultaneous CO2 removal from biomass conversion product gas and carbon nanotube formation via catalytic chemical vapour deposition. *Sustainable Energy and Fuels*, **2019**, 3, 2604-2614	5.8	0
9	Enhanced Cycling Performance of Magnesium-Doped Lithium Cobalt Phosphate. *ChemElectroChem*, **2019**, 6, 4885-4892	4.3	1
8	Metal-oxide interactions for infiltrated Ni nanoparticles on A-site deficient LaxSr1 □x/2TiO3. *Solid State Ionics*, **2018**, 315, 126-130	3.3	7
7	Demonstration of chemistry at a point through restructuring and catalytic activation at anchored nanoparticles. *Nature Communications*, **2017**, 8, 1855	17.4	87
6	Switching on electrocatalytic activity in solid oxide cells. *Nature*, **2016**, 537, 528-531	50.4	276
5	Development of novel anode material for intermediate temperature SOFC (IT-SOFC). *Journal of Materials Chemistry A*, **2016**, 4, 11117-11123	13	26
4	Studies on the crystal structure, magnetic and conductivity properties of titanium oxycarbide solid solution (TiO1□Cx). *Journal of Materials Chemistry A*, **2016**, 4, 5730-5736	13	15
3	Nano-socketed nickel particles with enhanced coking resistance grown in situ by redox exsolution. *Nature Communications*, **2015**, 6, 8120	17.4	438
2	In situ growth of nanoparticles through control of non-stoichiometry. *Nature Chemistry*, **2013**, 5, 916-23	17.6	569
1	Scale Up and Anode Development for La-Doped SrTiO3 Anode-Supported SOFCs. *Journal of the American Ceramic Society*, **2013**, 96, 1718-1723	3.8	25