

# David N Miller

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/269547/publications.pdf>

Version: 2024-02-01

16  
papers

2,151  
citations

840776

11  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

2022  
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ growth of nanoparticles through control of non-stoichiometry. Nature Chemistry, 2013, 5, 916-923.	13.6	775
2	Nano-socketed nickel particles with enhanced coking resistance grown in situ by redox exsolution. Nature Communications, 2015, 6, 8120.	12.8	603
3	Switching on electrocatalytic activity in solid oxide cells. Nature, 2016, 537, 528-531.	27.8	403
4	Demonstration of chemistry at a point through restructuring and catalytic activation at anchored nanoparticles. Nature Communications, 2017, 8, 1855.	12.8	121
5	Platinum incorporation into titanate perovskites to deliver emergent active and stable platinum nanoparticles. Nature Chemistry, 2021, 13, 677-682.	13.6	61
6	Development of novel anode material for intermediate temperature SOFC (IT-SOFC). Journal of Materials Chemistry A, 2016, 4, 11117-11123.	10.3	37
7	Studies on the crystal structure, magnetic and conductivity properties of titanium oxycarbide solid solution ( $\text{TiO}_{1-x}\text{C}_x$ ). Journal of Materials Chemistry A, 2016, 4, 5730-5736.	10.3	32
8	Scale Up and Anode Development for $\text{La}$ -Doped $\text{SrTiO}_3$ Anode-Supported SOFCs. Journal of the American Ceramic Society, 2013, 96, 1718-1723.	3.8	31
9	Enhanced oxygen redox reversibility and capacity retention of titanium-substituted $\text{Na}_{4/7}[\text{Ti}_{1/7}\text{Mn}_{5/7}]\text{O}_2$ in sodium-ion batteries. Journal of Materials Chemistry A, 2022, 10, 9941-9953.	10.3	25
10	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.	8.0	23
11	Metal-oxide interactions for infiltrated Ni nanoparticles on A-site deficient $\text{La}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$ . Solid State Ionics, 2018, 315, 126-130.	2.7	14
12	Cation Ordering and Exsolution in Copper-Containing Forms of the Flexible Zeolite Rho ( $\text{Cu}, \text{Mn}$ -Rho). J. Phys. Chem. C, 2021, 125, 13029-13039.	3.3	11
13	Hiding extra-framework cations in zeolites $\beta$ and $\gamma$ by internal ion exchange and its effect on $\text{CO}_2$ adsorption. Journal of Materials Chemistry A, 2020, 8, 3280-3292.	10.3	10
14	Enhanced Cycling Performance of Magnesium-Doped Lithium Cobalt Phosphate. ChemElectroChem, 2019, 6, 4885-4892.	3.4	2
15	Simultaneous $\text{CO}_2$ removal from biomass conversion product gas and carbon nanotube formation via catalytic chemical vapour deposition. Sustainable Energy and Fuels, 2019, 3, 2604-2614.	4.9	2
16	Atomic Layer Fluorination of 5V Class Positive Electrode Material $\text{LiCoPO}_4$ for Enhanced Electrochemical Performance. Batteries and Supercaps, 2020, 3, 1051-1058.	4.7	1