

Nigel Becknell

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

2,570
citations

686830

13
h-index

996533

15
g-index

17
all docs

17
docs citations

17
times ranked

5024
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex Dynamics at the Aqueous Zinc-Ion Battery Cathode Interface. ECS Meeting Abstracts, 2021, MA2021-01, 310-310.	0.0	0
2	Employing the Dynamics of the Electrochemical Interface in Aqueous Zinc-Ion Battery Cathodes. Advanced Functional Materials, 2021, 31, 2102135.	7.8	34
3	Eliminating dissolution of platinum-based electrocatalysts at the atomic scale. Nature Materials, 2020, 19, 1207-1214.	13.3	127
4	Ultrathin Epitaxial Cu@Au Core-Shell Nanowires for Stable Transparent Conductors. Journal of the American Chemical Society, 2017, 139, 7348-7354.	6.6	125
5	Electrochemical Activation of CO ₂ through Atomic Ordering Transformations of AuCu Nanoparticles. Journal of the American Chemical Society, 2017, 139, 8329-8336.	6.6	529
6	Room-Temperature Dynamics of Vanishing Copper Nanoparticles Supported on Silica. Nano Letters, 2017, 17, 2732-2737.	4.5	27
7	Revealing the Size-Dependent d Excitations of Cobalt Nanoparticles Using Soft X-ray Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 319-325.	2.1	9
8	Sulfur-Modulated Tin Sites Enable Highly Selective Electrochemical Reduction of CO ₂ to Formate. Joule, 2017, 1, 794-805.	11.7	390
9	Control of Architecture in Rhombic Dodecahedral Pt-Ni Nanoframe Electrocatalysts. Journal of the American Chemical Society, 2017, 139, 11678-11681.	6.6	166
10	Anisotropic phase segregation and migration of Pt in nanocrystals en route to nanoframe catalysts. Nature Materials, 2016, 15, 1188-1194.	13.3	244
11	Nanoporous Transparent MOF Glasses with Accessible Internal Surface. Journal of the American Chemical Society, 2016, 138, 10818-10821.	6.6	83
12	Synthesis of PtCo ₃ polyhedral nanoparticles and evolution to Pt ₃ Co nanoframes. Surface Science, 2016, 648, 328-332.	0.8	42
13	TiO ₂ /BiVO ₄ Nanowire Heterostructure Photoanodes Based on Type II Band Alignment. ACS Central Science, 2016, 2, 80-88.	5.3	263
14	<i>Operando</i> Spectroscopic Analysis of an Amorphous Cobalt Sulfide Hydrogen Evolution Electrocatalyst. Journal of the American Chemical Society, 2015, 137, 7448-7455.	6.6	330
15	Atomic Structure of Pt ₃ Ni Nanoframe Electrocatalysts by <i>In Situ</i> X-ray Absorption Spectroscopy. Journal of the American Chemical Society, 2015, 137, 15817-15824.	6.6	197