Hannah M Ashberry

List of Publications by Year
in descending order

15 papers	462 citations	933447 10 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	715 citing authors

#	Article	IF	Citations
1	Random Alloyed versus Intermetallic Nanoparticles: A Comparison of Electrocatalytic Performance. Advanced Materials, 2018, 30, e1801563.	21.0	175
2	Synthesis of monodisperse high entropy alloy nanocatalysts from core@shell nanoparticles. Nanoscale Horizons, 2021, 6, 231-237.	8.0	57
3	Achieving Highly Durable Random Alloy Nanocatalysts through Intermetallic Cores. ACS Nano, 2019, 13, 4008-4017.	14.6	37
4	Intermetallic Pd₃Pb nanocubes with high selectivity for the 4-electron oxygen reduction reaction pathway. Nanoscale, 2020, 12, 2532-2541.	5.6	33
5	Disorder-to-Order Transition Mediated by Size Refocusing: A Route toward Monodisperse Intermetallic Nanoparticles. Nano Letters, 2019, 19, 6418-6423.	9.1	26
6	Defectâ€Directed Growth of Symmetrically Branched Metal Nanocrystals. Angewandte Chemie - International Edition, 2020, 59, 943-950.	13.8	25
7	Kinetically Controlled Sequential Seeded Growth: A General Route to Crystals with Different Hierarchies. ACS Nano, 2020, 14, 15953-15961.	14.6	25
8	Building Durable Multimetallic Electrocatalysts from Intermetallic Seeds. Accounts of Chemical Research, 2021, 54, 1662-1672.	15.6	22
9	Building Random Alloy Surfaces from Intermetallic Seeds: A General Route to Strain-Engineered Electrocatalysts with High Durability. ACS Applied Nano Materials, 2019, 2, 4538-4546.	5.0	15
10	Controlled Electroless Deposition of Noble Metals on Silicon Substrates Using Self-Assembled Monolayers as Molecular Resists To Generate Nanopatterned Surfaces for Electronics and Plasmonics. ACS Applied Nano Materials, 2019, 2, 7114-7125.	5.0	15
11	Galvanic replacement of intermetallic nanocrystals as a route toward complex heterostructures. Nanoscale, 2021, 13, 2618-2625.	5.6	11
12	Fabrication and Growth Control of Metal Nanostructures through Exploration of Atomic Force Microscopy-Based Patterning and Electroless Deposition Conditions. Journal of Physical Chemistry C, 2020, 124, 25588-25601.	3.1	9
13	Identification of Nanoscale Processes Associated with the Disorder-to-Order Transformation of Carbon-Supported Alloy Nanoparticles. ACS Materials Au, 2022, 2, 143-153.	6.0	5
14	Vertex-Directed and Asymmetric Metal Overgrowth of Intermetallic Pd₃Pb@PtNi Nanocubes for the Oxygen Reduction Reaction. ACS Applied Nano Materials, 2021, 4, 12490-12497.	5.0	4
15	Defectâ€Directed Growth of Symmetrically Branched Metal Nanocrystals. Angewandte Chemie, 2020, 132, 953-960.	2.0	3