

Hannah M Ashberry

List of Publications by Year in descending order

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15
papers

462
citations

933447

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996975

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15
docs citations

15
times ranked

715
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Synthesis of monodisperse high entropy alloy nanocatalysts from core@shell nanoparticles. Nanoscale Horizons, 2021, 6, 231-237.	8.0	57
3	Galvanic replacement of intermetallic nanocrystals as a route toward complex heterostructures. Nanoscale, 2021, 13, 2618-2625.	5.6	11
4	Building Durable Multimetallic Electrocatalysts from Intermetallic Seeds. Accounts of Chemical Research, 2021, 54, 1662-1672.	15.6	22
5	Vertex-Directed and Asymmetric Metal Overgrowth of Intermetallic Pd ₃ Pb@PtNi Nanocubes for the Oxygen Reduction Reaction. ACS Applied Nano Materials, 2021, 4, 12490-12497.	5.0	4
6	Defect-Directed Growth of Symmetrically Branched Metal Nanocrystals. Angewandte Chemie - International Edition, 2020, 59, 943-950.	13.8	25
7	Defect-Directed Growth of Symmetrically Branched Metal Nanocrystals. Angewandte Chemie, 2020, 132, 953-960.	2.0	3
8	Kinetically Controlled Sequential Seeded Growth: A General Route to Crystals with Different Hierarchies. ACS Nano, 2020, 14, 15953-15961.	14.6	25
9	Intermetallic Pd ₃ Pb nanocubes with high selectivity for the 4-electron oxygen reduction reaction pathway. Nanoscale, 2020, 12, 2532-2541.	5.6	33
10	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
11	Disorder-to-Order Transition Mediated by Size Refocusing: A Route toward Monodisperse Intermetallic Nanoparticles. Nano Letters, 2019, 19, 6418-6423.	9.1	26
12	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
13	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
14	Achieving Highly Durable Random Alloy Nanocatalysts through Intermetallic Cores. ACS Nano, 2019, 13, 4008-4017.	14.6	37
15	Random Alloyed versus Intermetallic Nanoparticles: A Comparison of Electrocatalytic Performance. Advanced Materials, 2018, 30, e1801563.	21.0	175