

Zhaslan Baraissov

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

510
citations

1163117

8
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

953
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct observation of the nanoscale Kirkendall effect during galvanic replacement reactions. Nature Communications, 2017, 8, 1224.	12.8	175
2	Phase Selection in Self-catalyzed GaAs Nanowires. Nano Letters, 2020, 20, 1669-1675.	9.1	83
3	Desorption-Mediated Motion of Nanoparticles at the Liquid-Solid Interface. Journal of Physical Chemistry C, 2016, 120, 20462-20470.	3.1	75
4	Interface-mediated Kirkendall effect and nanoscale void migration in bimetallic nanoparticles during interdiffusion. Nature Communications, 2019, 10, 2831.	12.8	42
5	Real-time Imaging of Nanoscale Redox Reactions over Bimetallic Nanoparticles. Advanced Functional Materials, 2019, 29, 1903242.	14.9	36
6	Intermediate Structures of Pt-Ni Nanoparticles during Selective Chemical and Electrochemical Etching. Journal of Physical Chemistry Letters, 2019, 10, 6090-6096.	4.6	25
7	Dynamics of Templated Assembly of Nanoparticle Filaments within Nanochannels. Advanced Materials, 2017, 29, 1702682.	21.0	24
8	Selective Wet Etching of Silicon Germanium in Composite Vertical Nanowires. ACS Applied Materials & Interfaces, 2019, 11, 36839-36846.	8.0	24
9	Nanoscale Elastocapillary Effect Induced by Thin-Liquid-Film Instability. Journal of Physical Chemistry Letters, 2020, 11, 2751-2758.	4.6	13
10	Aberration Corrector Tuning with Machine-Learning-Based Emittance Measurements and Bayesian Optimization. Microscopy and Microanalysis, 2021, 27, 810-812.	0.4	7
11	Hopping Diffusion of Gold Nanoparticles Observed with Liquid Cell TEM. Microscopy and Microanalysis, 2016, 22, 750-751.	0.4	3
12	Growth Dynamics of Gallium Nanodroplets Driven by Thermally Activated Surface Diffusion. Journal of Physical Chemistry Letters, 2019, 10, 5082-5089.	4.6	3
13	Growth Dynamics of Ga Nanodroplets on 2D Substrate. Microscopy and Microanalysis, 2018, 24, 264-265.	0.4	0
14	Direct Visualization of Solution-based Nanofabrication Processes with In Situ TEM: Chemical Wet-etching and Solution-based Cleaning/Drying of High-Aspect-Ratio Nanostructures. Microscopy and Microanalysis, 2018, 24, 276-277.	0.4	0