Marcus Ulf Tornberg

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5404091/publications.pdf

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15	200	1040056	1058476
papers	citations	9	14
		h-index	g-index

15	15	15	211
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In situ analysis of catalyst composition during gold catalyzed GaAs nanowire growth. Nature Communications, 2019, 10, 4577.	12.8	49
2	Independent Control of Nucleation and Layer Growth in Nanowires. ACS Nano, 2020, 14, 3868-3875.	14.6	31
3	Kinetics of Auâ€“Ga Droplet Mediated Decomposition of GaAs Nanowires. Nano Letters, 2019, 19, 3498-3504.	9.1	18
4	Vaporâ€“solidâ€“solid growth dynamics in GaAs nanowires. Nanoscale Advances, 2021, 3, 5928-5940.	4.6	16
5	Limits of IIIâ€“V Nanowire Growth Based on Droplet Dynamics. Journal of Physical Chemistry Letters, 2020, 11, 2949-2954.	4.6	14
6	Compositional Correlation between the Nanoparticle and the Growing Au-Assisted In_xGa_{1â€“x}As Nanowire. Journal of Physical Chemistry Letters, 2021, 12, 7590-7595.	4.6	12
7	Demonstration of Sn-seeded GaSb homo- and GaAsâ€“GaSb heterostructural nanowires. Nanotechnology, 2016, 27, 175602.	2.6	11
8	Thermodynamic Stability of Gold-Assisted InAs Nanowire Growth. Journal of Physical Chemistry C, 2017, 121, 21678-21684.	3.1	11
9	Branched InAs nanowire growth by droplet confinement. Applied Physics Letters, 2018, 113, 123104.	3.3	11
10	Enabling In Situ Studies of Metal-Organic Chemical Vapor Deposition in a Transmission Electron Microscope. Microscopy and Microanalysis, 2022, 28, 1484-1492.	0.4	11
11	Direct Observations of Twin Formation Dynamics in Binary Semiconductors. ACS Nanoscience Au, 2022, 2, 49-56.	4.8	8
12	Time-resolved compositional mapping during in situ TEM studies. Ultramicroscopy, 2021, 222, 113193.	1.9	4
13	Post-nucleation evolution of the liquidâ€“solid interface in nanowire growth. Nanotechnology, 2022, 33, 105607.	2.6	3
14	Real-time in-situ Investigation of III-V Nanowire Growth using Custom-designed Hybrid Chemical Vapor Deposition-TEM. Microscopy and Microanalysis, 2017, 23, 1716-1717.	0.4	1
15	Measuring Surface Tension of III-V Nanowire Au-Catalyst Droplets with an E-field. Microscopy and Microanalysis, 2021, 27, 27-28.	0.4	0