

Marcus Ulf Tornberg

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

200
citations

1040056

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h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

211
citing authors

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