

# Lucas GÃ¼niat

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

454  
citations

1039880

9  
h-index

1281743

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

720  
citing authors

#	ARTICLE	IF	CITATIONS
1	GaAs nanowires on Si nanopillars: towards large scale, phase-engineered arrays. <i>Nanoscale Horizons</i> , 2022, 7, 211-219.	4.1	4
2	Nanoscale Mapping of Light Emission in Nanospade-Based InGaAs Quantum Wells Integrated on Si(100): Implications for Dual Light-Emitting Devices. <i>ACS Applied Nano Materials</i> , 2022, 5, 5508-5515.	2.4	0
3	Doping challenges and pathways to industrial scalability of IIIâ€V nanowire arrays. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	32
4	Simultaneous Selective Area Growth of Wurtzite and Zincblende Self-Catalyzed GaAs Nanowires on Silicon. <i>Nano Letters</i> , 2021, 21, 3139-3145.	4.5	18
5	<i>In-situ</i> reflectometry to monitor locally-catalyzed initiation and growth of nanowire assemblies. <i>Nanotechnology</i> , 2020, 31, 335703.	1.3	1
6	Remote Doping of Scalable Nanowire Branches. <i>Nano Letters</i> , 2020, 20, 3577-3584.	4.5	13
7	Vapor Phase Growth of Semiconductor Nanowires: Key Developments and Open Questions. <i>Chemical Reviews</i> , 2019, 119, 8958-8971.	23.0	158
8	IIIâ€V Integration on Si(100): Vertical Nanospades. <i>ACS Nano</i> , 2019, 13, 5833-5840.	7.3	24
9	Questioning liquid droplet stability on nanowire tips: from theory to experiment. <i>Nanotechnology</i> , 2019, 30, 285604.	1.3	9
10	Bistability of Contact Angle and Its Role in Achieving Quantum-Thin Self-Assisted GaAs nanowires. <i>Nano Letters</i> , 2018, 18, 49-57.	4.5	62
11	Anisotropic-Strain-Induced Band Gap Engineering in Nanowire-Based Quantum Dots. <i>Nano Letters</i> , 2018, 18, 2393-2401.	4.5	10
12	Template-Assisted Scalable Nanowire Networks. <i>Nano Letters</i> , 2018, 18, 2666-2671.	4.5	92
13	Optimizing the yield of A-polar GaAs nanowires to achieve defect-free zinc blende structure and enhanced optical functionality. <i>Nanoscale</i> , 2018, 10, 17080-17091.	2.8	31