Tuomas Haggren

List of Publications by Year
in descending order

20	224	1039406 9	1058022 14
papers	citations	h-index	g-index

20	20	20	333
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Youngâ€™s Modulus of Wurtzite and Zinc Blende InP Nanowires. Nano Letters, 2017, 17, 3441-3446.	4.5	30
2	Direct Growth of Light-Emitting IIIâ€“V Nanowires on Flexible Plastic Substrates. ACS Nano, 2020, 14, 7484-7491.	7.3	24
3	Aluminum-Induced Photoluminescence Red Shifts in Coreâ€“Shell GaAs/Al_xGa_{1â€“x}As Nanowires. Nano Letters, 2013, 13, 3581-3588.	4.5	23
4	InAs-Nanowire-Based Broadband Ultrafast Optical Switch. Journal of Physical Chemistry Letters, 2019, 10, 4429-4436.	2.1	18
5	Managing Resonant and Nonresonant Lasing Modes in GaAs Nanowire Random Lasers. Nano Letters, 2021, 21, 3901-3907.	4.5	18
6	Electron-Selective Contact for GaAs Solar Cells. ACS Applied Energy Materials, 2021, 4, 1356-1364.	2.5	17
7	Topical review: pathways toward cost-effective single-junction IIIâ€“V solar cells. Journal Physics D: Applied Physics, 2022, 55, 143002.	1.3	17
8	Nanowire encapsulation with polymer for electrical isolation and enhanced optical properties. Nano Research, 2017, 10, 2657-2666.	5.8	16
9	IIIâ€“V nanowires on black silicon and low-temperature growth of self-catalyzed rectangular InAs NWs. Scientific Reports, 2018, 8, 6410.	1.6	11
10	Thermal conductivity suppression in GaAsâ€“AlAs coreâ€“shell nanowire arrays. Nanoscale, 2019, 11, 20507-20513.	2.8	9
11	GaAs nanowires grown on Al-doped ZnO buffer layer. Journal of Applied Physics, 2013, 114, .	1.1	8
12	Synthesis and properties of ultra-long InP nanowires on glass. Nanotechnology, 2016, 27, 505606.	1.3	7
13	InP nanowire p-type doping via Zinc indiffusion. Journal of Crystal Growth, 2016, 451, 18-26.	0.7	5
14	Effect of crystal structure on the Youngâ€™s modulus of GaP nanowires. Nanotechnology, 2021, 32, 385706.	1.3	4
15	Enhanced terahertz emission from mushroom-shaped InAs nanowire network induced by linear and nonlinear optical effects. Nanotechnology, 2022, 33, 085207.	1.3	4
16	Direct GaAs Nanowire Growth and Monolithic Lightâ€Emitting Diode Fabrication on Flexible Plastic Substrates. Advanced Photonics Research, 2022, 3, .	1.7	4
17	Management of light and scattering in InP NWs by dielectric polymer shell. Nanotechnology, 2020, 31, 384003.	1.3	3
18	Thermoelectric Characteristics of InAs Nanowire Networks Directly Grown on Flexible Plastic Substrates. ACS Applied Energy Materials, 0, , .	2.5	3

#	Article	IF	Citations
19	Metalorganic vapor phase epitaxy of wurtzite InP nanowires on GaN. Applied Physics Letters, 2020, 116, 093101.	1.5	2
20	InSb Nanowire Direct Growth on Plastic for Monolithic Flexible Device Fabrication. ACS Applied Electronic Materials, 2022, 4, 539-545.	2.0	1