

# Axel Persson

## List of Publications by Year in descending order

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26  
papers

478  
citations

687363

13  
h-index

713466

21  
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26  
docs citations

26  
times ranked

641  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of in situ NH <sub>3</sub> pre-treatment of LPCVD SiN passivation on GaN HEMT performance. Semiconductor Science and Technology, 2022, 37, 035011.	2.0	8
2	Mg-doping and free-hole properties of hot-wall MOCVD GaN. Journal of Applied Physics, 2022, 131, .	2.5	14
3	Epitaxial growth of In <sup>2+</sup> -Ga <sub>2</sub> O <sub>3</sub> by hot-wall MOCVD. AIP Advances, 2022, 12, .	1.3	17
4	Time-resolved compositional mapping during in situ TEM studies. Ultramicroscopy, 2021, 222, 113193.	1.9	4
5	Aerotaxy: gas-phase epitaxy of quasi 1D nanostructures. Nanotechnology, 2021, 32, 025605.	2.6	11
6	Template-assisted vapourâ€“liquidâ€“solid growth of InP nanowires on (001) InP and Si substrates. Nanoscale, 2020, 12, 888-894.	5.6	7
7	Tuning of Source Material for InAs/InGaAsSb/GaSb Application-Specific Vertical Nanowire Tunnel FETs. ACS Applied Electronic Materials, 2020, 2, 2882-2887.	4.3	11
8	Calculation of Hole Concentrations in Zn Doped GaAs Nanowires. Nanomaterials, 2020, 10, 2524.	4.1	2
9	Compressively-strained GaSb nanowires with core-shell heterostructures. Nano Research, 2020, 13, 2517-2524.	10.4	13
10	High-Performance Vertical III-V Nanowire MOSFETs on Si With $g_{\text{sub}}m_{\text{sub}} > 3 \text{ mS}/\mu\text{m}$ . IEEE Electron Device Letters, 2020, 41, 1161-1164.	3.9	22
11	Independent Control of Nucleation and Layer Growth in Nanowires. ACS Nano, 2020, 14, 3868-3875.	14.6	31
12	Directed C-H Halogenation Reactions Catalysed by Pd <sup>II</sup> Supported on Polymers under Batch and Continuous Flow Conditions. Chemistry - A European Journal, 2019, 25, 13591-13597.	3.3	14
13	In situ analysis of catalyst composition during gold catalyzed GaAs nanowire growth. Nature Communications, 2019, 10, 4577.	12.8	49
14	Kinetics of Auâ€“Ga Droplet Mediated Decomposition of GaAs Nanowires. Nano Letters, 2019, 19, 3498-3504.	9.1	18
15	In situ XAS study of the local structure and oxidation state evolution of palladium in a reduced graphene oxide supported Pd(ii) carbene complex during an undirected C-H acetoxylation reaction. Catalysis Science and Technology, 2019, 9, 2025-2031.	4.1	20
16	Observing growth under confinement: Sn nanopillars in porous alumina templates. Nanoscale Advances, 2019, 1, 4764-4771.	4.6	8
17	n-type doping and morphology of GaAs nanowires in Aerotaxy. Nanotechnology, 2018, 29, 285601.	2.6	15
18	A Pd <sup>II</sup> Carbene Complex with Anthracene Side-Arms for $\pi$ - $\pi$ Stacking on Reduced Graphene Oxide (rGO): Activity towards Undirected C-H Oxygenation of Arenes. European Journal of Inorganic Chemistry, 2018, 2018, 4742-4746.	2.0	17

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19	Electron Tomography Reveals the Droplet Covered Surface Structure of Nanowires Grown by Aerotaxy. <i>Small</i> , 2018, 14, e1801285.	10.0	5
20	Kinetic Engineering of Wurtzite and Zinc-Blende AlSb Shells on InAs Nanowires. <i>Nano Letters</i> , 2018, 18, 5775-5781.	9.1	6
21	Polymer-Supported Palladium(II) Carbene Complexes: Catalytic Activity, Recyclability, and Selectivity in C-H Acetoxylation of Arenes. <i>Chemistry - A European Journal</i> , 2017, 23, 8457-8465.	3.3	25
22	Individual Defects in InAs/InGaAsSb/GaSb Nanowire Tunnel Field-Effect Transistors Operating below 60 mV/decade. <i>Nano Letters</i> , 2017, 17, 4373-4380.	9.1	85
23	Real-time in-situ Investigation of III-V Nanowire Growth using Custom-designed Hybrid Chemical Vapor Deposition-TEM. <i>Microscopy and Microanalysis</i> , 2017, 23, 1716-1717.	0.4	1
24	Vertical InAs/InGaAs Heterostructure Metal-Oxide-Semiconductor Field-Effect Transistors on Si. <i>Nano Letters</i> , 2017, 17, 6006-6010.	9.1	37
25	GaAsP Nanowires Grown by Aerotaxy. <i>Nano Letters</i> , 2016, 16, 5701-5707.	9.1	36
26	Coherently strained and dislocation-free architected AlGaIn/GaN submicron-sized structures. <i>Nano Select</i> , 0, , .	3.7	2