

Axel Persson

List of Publications by Year in descending order

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26
papers

478
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times ranked

641
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Individual Defects in InAs/InGaAsSb/GaSb Nanowire Tunnel Field-Effect Transistors Operating below 60 mV/decade. Nano Letters, 2017, 17, 4373-4380. | 9.1 | 85 |
| 2 | In situ analysis of catalyst composition during gold catalyzed GaAs nanowire growth. Nature Communications, 2019, 10, 4577. | 12.8 | 49 |
| 3 | Vertical InAs/InGaAs Heterostructure Metal-Oxide-Semiconductor Field-Effect Transistors on Si. Nano Letters, 2017, 17, 6006-6010. | 9.1 | 37 |
| 4 | GaAsP Nanowires Grown by Aerotaxy. Nano Letters, 2016, 16, 5701-5707. | 9.1 | 36 |
| 5 | Independent Control of Nucleation and Layer Growth in Nanowires. ACS Nano, 2020, 14, 3868-3875. | 14.6 | 31 |
| 6 | Polymer-Supported Palladium(II) Carbene Complexes: Catalytic Activity, Recyclability, and Selectivity in C-H Acetoxylation of Arenes. Chemistry - A European Journal, 2017, 23, 8457-8465. | 3.3 | 25 |
| 7 | High-Performance Vertical III-V Nanowire MOSFETs on Si With $g_m > 3 \text{ mS}/\mu\text{m}$. IEEE Electron Device Letters, 2020, 41, 1161-1164. | 3.9 | 22 |
| 8 | 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 |
| 9 | Kinetics of Au-Ga Droplet Mediated Decomposition of GaAs Nanowires. Nano Letters, 2019, 19, 3498-3504. | 9.1 | 18 |
| 10 | A Pd ^{II} Carbene Complex with Anthracene Side-Arms for π - π 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 |
| 11 | Epitaxial growth of In_2O_3 -Ga ₂ O ₃ by hot-wall MOCVD. AIP Advances, 2022, 12, . | 1.3 | 17 |
| 12 | <i>n</i> -type doping and morphology of GaAs nanowires in Aerotaxy. Nanotechnology, 2018, 29, 285601. | 2.6 | 15 |
| 13 | Directed C-H Halogenation Reactions Catalysed by Pd ^{II} Supported on Polymers under Batch and Continuous Flow Conditions. Chemistry - A European Journal, 2019, 25, 13591-13597. | 3.3 | 14 |
| 14 | Mg-doping and free-hole properties of hot-wall MOCVD GaN. Journal of Applied Physics, 2022, 131, . | 2.5 | 14 |
| 15 | Compressively-strained GaSb nanowires with core-shell heterostructures. Nano Research, 2020, 13, 2517-2524. | 10.4 | 13 |
| 16 | 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 |
| 17 | Aerotaxy: gas-phase epitaxy of quasi 1D nanostructures. Nanotechnology, 2021, 32, 025605. | 2.6 | 11 |
| 18 | Observing growth under confinement: Sn nanopillars in porous alumina templates. Nanoscale Advances, 2019, 1, 4764-4771. | 4.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Impact of in situ NH ₃ pre-treatment of LPCVD SiN passivation on GaN HEMT performance. Semiconductor Science and Technology, 2022, 37, 035011. | 2.0 | 8 |
| 20 | Template-assisted vapour-liquid-solid growth of InP nanowires on (001) InP and Si substrates. Nanoscale, 2020, 12, 888-894. | 5.6 | 7 |
| 21 | Kinetic Engineering of Wurtzite and Zinc-Blende AlSb Shells on InAs Nanowires. Nano Letters, 2018, 18, 5775-5781. | 9.1 | 6 |
| 22 | Electron Tomography Reveals the Droplet Covered Surface Structure of Nanowires Grown by Aerotaxy. Small, 2018, 14, e1801285. | 10.0 | 5 |
| 23 | Time-resolved compositional mapping during in situ TEM studies. Ultramicroscopy, 2021, 222, 113193. | 1.9 | 4 |
| 24 | Calculation of Hole Concentrations in Zn Doped GaAs Nanowires. Nanomaterials, 2020, 10, 2524. | 4.1 | 2 |
| 25 | Coherently strained and dislocation-free architected AlGaIn/GaN submicron-sized structures. Nano Select, 0, , . | 3.7 | 2 |
| 26 | 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 |