

# Michael Hanke

## List of Publications by Year in descending order

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16  
papers

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docs citations

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times ranked

453  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scanning x-ray microscopy: A sub-100-nm probe toward strain and composition in seeded horizontal Ge(110) nanowires. Applied Physics Letters, 2022, 120, 101902.	3.3	0
2	Elastic behavior of metal-assisted etched Si/SiGe superlattice nanowires containing dislocations. AIP Advances, 2022, 12, 045006.	1.3	0
3	Temperature dependence of three-dimensional domain wall arrangement in ferroelectric K <sub>0.9</sub> Na <sub>0.1</sub> NbO <sub>3</sub> epitaxial thin films. Journal of Applied Physics, 2020, 128, .	2.5	8
4	Ferroelectric phase transitions in multi-domain K <sub>0.9</sub> Na <sub>0.1</sub> NbO <sub>3</sub> epitaxial thin films. Nano Futures, 2020, 4, 035005.	2.2	4
5	Hierarchy and scaling behavior of multi-rank domain patterns in ferroelectric K <sub>0.9</sub> Na <sub>0.1</sub> NbO <sub>3</sub> strained films. Nanotechnology, 2018, 29, 015701.	2.6	12
6	Thermal expansion of single-crystalline $\text{In}^2\text{-Ga}_2\text{O}_3$ from RT to 1200 K studied by synchrotron-based high resolution x-ray diffraction. Applied Physics Letters, 2018, 113, .	3.3	15
7	Growth mode evolution during (100)-oriented $\text{In}^2\text{-Ga}_2\text{O}_3$ homoepitaxy. Nanotechnology, 2018, 29, 395705.	2.6	12
8	Structure and Composition of Isolated Core-Shell $\text{In}_x\text{Ga}_{1-x}\text{N}$ Nanowires. Physical Review Applied, 2017, 7, 044102.	3.8	12
9	Influence of strain relaxation in axial $\text{In}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ nanowire heterostructures on their electronic properties. Nanotechnology, 2017, 28, 215204.	2.6	2
10	Strain engineering of monoclinic domains in K <sub>x</sub> Na <sub>1-x</sub> NbO <sub>3</sub> epitaxial layers: a pathway to enhanced piezoelectric properties. Nanotechnology, 2017, 28, 24LT02.	2.6	22
11	Phase formation and strain relaxation of Ga <sub>2</sub> O <sub>3</sub> on c-plane and a-plane sapphire substrates as studied by synchrotron-based x-ray diffraction. Applied Physics Letters, 2017, 111, .	3.3	58
12	Strain Engineering of Ferroelectric Domains in K <sub>x</sub> Na <sub>1-x</sub> NbO <sub>3</sub> Epitaxial Layers. Frontiers in Materials, 2017, 4, .	2.4	27
13	Counterintuitive strain distribution in axial (In,Ga)N/GaN nanowires. Applied Physics Letters, 2016, 108, .	3.3	14
14	Strain dynamics during La <sub>2</sub> O <sub>3</sub> /Lu <sub>2</sub> O <sub>3</sub> superlattice and alloy formation. Journal of Applied Physics, 2016, 119, 215301.	2.5	1
15	Nanofocus x-ray diffraction and cathodoluminescence investigations into individual core-shell (In,Ga)N/GaN rod light-emitting diodes. Nanotechnology, 2016, 27, 325707.	2.6	18
16	Delayed crystallization of ultrathin Gd <sub>2</sub> O <sub>3</sub> layers on Si(111) observed by in situ X-ray diffraction. Nanoscale Research Letters, 2012, 7, 203.	5.7	14