

# Michael Hanke

## List of Publications by Year in descending order

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16  
papers

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citations

933447

10  
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1058476

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g-index

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docs citations

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times ranked

453  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Thermal expansion of single-crystalline In <sub>2</sub> -Ga <sub>2</sub> O <sub>3</sub> from RT to 1200 K studied by synchrotron-based high resolution x-ray diffraction. Applied Physics Letters, 2018, 113, .	3.3	15
6	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
7	Counterintuitive strain distribution in axial (In,Ga)N/GaN nanowires. Applied Physics Letters, 2016, 108, Structure and Composition of Isolated Core-Shell	3.3	14
8	stretchy="false">(</mml:mo><mml:mi>In</mml:mi><mml:mo>,</mml:mo><mml:mi>Ga</mml:mi><mml:mo>Tj ETQq0 0 0 rgBT /Overlo mathvariant="normal">N</mml:mi><mml:mo>/</mml:mo><mml:mi>GaN</mml:mi></mml:mrow></mml:math>Rods Based on Nanofocus X-Ray Diffraction and Scanning Transmission Electron Microscopy. Physical	3.8	12
9	Review 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
10	Growth mode evolution during (100)-oriented In <sub>2</sub> -Ga <sub>2</sub> O <sub>3</sub> homoepitaxy. Nanotechnology, 2018, 29, 395705.	2.6	12
11	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
12	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
13	Influence of strain relaxation in axial $\text{In}_x\text{Ga}_{1-x}\text{N}_m/\text{GaN}$ nanowire heterostructures on their electronic properties. Nanotechnology, 2017, 28, 215204.	2.6	2
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	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
16	Elastic behavior of metal-assisted etched Si/SiGe superlattice nanowires containing dislocations. AIP Advances, 2022, 12, 045006.	1.3	0