

# Hideto Miyake

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

249  
papers

3,931  
citations

29  
h-index

52  
g-index

270  
ext. papers

4,439  
ext. citations

2.1  
avg, IF

5.36  
L-index

#	Paper	IF	Citations
249	Limits on Astrophysical Antineutrinos with the KamLAND Experiment. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 14	4.7	2
248	Search for Solar Flare Neutrinos with the KamLAND Detector. <i>Astrophysical Journal</i> , <b>2022</b> , 924, 103	4.7	1
247	Transcriptome analysis of molecular response to UVC irradiation in zebrafish embryos.. <i>Ecotoxicology and Environmental Safety</i> , <b>2022</b> , 231, 113211	7	0
246	Reduction of dislocation density in lattice-relaxed Al <sub>0.68</sub> Ga <sub>0.32</sub> N film grown on periodical 1 $\mu$ m spacing AlN pillar concave-convex patterns and its effect on the performance of UV-B laser diodes. <i>Applied Physics Express</i> , <b>2022</b> , 15, 031004	2.4	2
245	Fabrication of vertical AlGa <sub>N</sub> -based deep-ultraviolet light-emitting diodes operating at high current density (~43 kA cm <sup>-2</sup> ) using a laser liftoff method. <i>Applied Physics Express</i> , <b>2022</b> , 15, 041006	2.4	0
244	A Search for Correlated Low-energy Electron Antineutrinos in KamLAND with Gamma-Ray Bursts. <i>Astrophysical Journal</i> , <b>2022</b> , 927, 69	4.7	0
243	Thermal radiation resonating with longitudinal optical phonon from surface micro-stripe structures on metal-gallium nitride and sapphire. <i>Materials Science in Semiconductor Processing</i> , <b>2022</b> , 147, 106726	4.3	0
242	Rare UV-resistant cells in clonal populations of Escherichia coli.. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2022</b> , 231, 112448	6.7	0
241	Extremely high internal quantum efficiency of AlGa <sub>N</sub> -based quantum wells on face-to-face annealed sputter-deposited AlN templates. <i>Applied Physics Express</i> , <b>2021</b> , 14, 122004	2.4	0
240	Search for Low-energy Electron Antineutrinos in KamLAND Associated with Gravitational Wave Events. <i>Astrophysical Journal</i> , <b>2021</b> , 909, 116	4.7	3
239	AlGa <sub>N</sub> Channel High Electron Mobility Transistors with Regrown Ohmic Contacts. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 635	2.6	8
238	AlGa <sub>N</sub> -based UV-B laser diode with a high optical confinement factor. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 163504	3.4	11
237	Analysis of carrier injection efficiency of AlGa <sub>N</sub> UV-B laser diodes based on the relationship between threshold current density and cavity length. <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, 074002	1.4	4
236	High Electron Mobility AlN on Sapphire (0001) with a Low Dislocation Density Prepared via Sputtering and High-Temperature Annealing. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2021</b> , 218, 2100074	1.6	0
235	Thick AlN layers grown on micro-scale patterned sapphire substrates with sputter-deposited annealed AlN films by hydride vapor-phase epitaxy. <i>Journal of Crystal Growth</i> , <b>2021</b> , 566-567, 126163	1.6	1
234	High-Quality AlN Template Prepared by Face-to-Face Annealing of Sputtered AlN on Sapphire. <i>Physica Status Solidi (B): Basic Research</i> , <b>2021</b> , 258, 2000352	1.3	6
233	High-quality AlN/sapphire templates prepared by thermal cycle annealing for high-performance ultraviolet light-emitting diodes. <i>Applied Physics Express</i> , <b>2021</b> , 14, 035505	2.4	12

232	Effect of the Sputtering Deposition Conditions on the Crystallinity of High-Temperature Annealed AlN Films. <i>Coatings</i> , <b>2021</b> , 11, 956	2.9	0
231	The nylon balloon for xenon loaded liquid scintillator in KamLAND-Zen 800 neutrinoless double-beta decay search experiment. <i>Journal of Instrumentation</i> , <b>2021</b> , 16, P08023	1	4
230	Thermal strain analysis considering in-plane anisotropy for sputtered AlN on c- and a-plane sapphire under high-temperature annealing. <i>AIP Advances</i> , <b>2021</b> , 11, 095012	1.5	2
229	Effect of MOVPE growth conditions on AlN films on annealed sputtered AlN templates with nano-striped patterns. <i>Journal of Crystal Growth</i> , <b>2021</b> , 570, 126237	1.6	0
228	Low-threshold-current (~85 mA) of AlGa <sub>N</sub> -based UV-B laser diode with refractive-index waveguide structure. <i>Applied Physics Express</i> , <b>2021</b> , 14, 094009	2.4	5
227	Reduction of threading dislocation densities of N-polar face-to-face annealed sputtered AlN on sapphire. <i>Journal of Crystal Growth</i> , <b>2021</b> , 574, 126309	1.6	3
226	Reduction of dislocation density in Al <sub>0.6</sub> Ga <sub>0.4</sub> N film grown on sapphire substrates using annealed sputtered AlN templates and its effect on UV-B laser diodes. <i>Journal of Crystal Growth</i> , <b>2021</b> , 575, 126325	1.6	4
225	Crystalline quality improvement of face-to-face annealed MOVPE-grown AlN on vicinal sapphire substrate with sputtered nucleation layer. <i>Journal of Crystal Growth</i> , <b>2020</b> , 545, 125722	1.6	7
224	Effect of dislocation density on optical gain and internal loss of AlGa <sub>N</sub> -based ultraviolet-B band lasers. <i>Applied Physics Express</i> , <b>2020</b> , 13, 045504	2.4	10
223	Room-temperature operation of AlGa <sub>N</sub> ultraviolet-B laser diode at 298 nm on lattice-relaxed Al <sub>0.6</sub> Ga <sub>0.4</sub> N/AlN/sapphire. <i>Applied Physics Express</i> , <b>2020</b> , 13, 031004	2.4	40
222	Internal loss of AlGa <sub>N</sub> -based ultraviolet-B band laser diodes with p-type AlGa <sub>N</sub> cladding layer using polarization doping. <i>Applied Physics Express</i> , <b>2020</b> , 13, 071008	2.4	15
221	Suppression of dislocation-induced spiral hillocks in MOVPE-grown AlGa <sub>N</sub> on face-to-face annealed sputter-deposited AlN template. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 062101	3.4	25
220	High Crystallinity and Highly Relaxed Al <sub>0.60</sub> Ga <sub>0.40</sub> N Films Using Growth Mode Control Fabricated on a Sputtered AlN Template with High-Temperature Annealing. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2020</b> , 217, 1900868	1.6	10
219	Individually resolved luminescence from closely stacked GaN/AlN quantum wells. <i>Photonics Research</i> , <b>2020</b> , 8, 610	6	5
218	Low dislocation density AlN on sapphire prepared by double sputtering and annealing. <i>Applied Physics Express</i> , <b>2020</b> , 13, 095501	2.4	16
217	MOVPE growth of AlN films on nano-patterned sapphire substrates with annealed sputtered AlN. <i>Journal of Crystal Growth</i> , <b>2020</b> , 532, 125397	1.6	10
216	Annealing behaviors of vacancy-type defects in AlN deposited by radio-frequency sputtering and metalorganic vapor phase epitaxy studied using monoenergetic positron beams. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 085704	2.5	10
215	High-Temperature Annealing of Sputter-Deposited AlN on (001) Diamond Substrate. <i>Physica Status Solidi (B): Basic Research</i> , <b>2020</b> , 257, 1900447	1.3	2

214	Structural analysis of polarity inversion boundary in sputtered AlN films annealed under high temperatures. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, SCCB30	1.4	8
213	Reduction of threading dislocation density and suppression of cracking in sputter-deposited AlN templates annealed at high temperatures. <i>Applied Physics Express</i> , <b>2019</b> , 12, 065501	2.4	43
212	Ultraviolet-B band lasers fabricated on highly relaxed thick Al <sub>0.55</sub> Ga <sub>0.45</sub> N films grown on various types of AlN wafers. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, SC1052	1.4	20
211	Local and anisotropic strain in AlN film on sapphire observed by Raman scattering spectroscopy. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, SCCB17	1.4	8
210	Improved emission intensity of UVC-LEDs from using strain relaxation layer on sputter-annealed AlN. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, SCCC07	1.4	2
209	Preparation of high-quality thick AlN layer on nanopatterned sapphire substrates with sputter-deposited annealed AlN film by hydride vapor-phase epitaxy. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, SC1003	1.4	10
208	Deep Ultraviolet Light Source from Ultrathin GaN/AlN MQW Structures with Output Power Over 2 Watt. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801763	8.1	29
207	Curvature-controllable and crack-free AlN/sapphire templates fabricated by sputtering and high-temperature annealing. <i>Journal of Crystal Growth</i> , <b>2019</b> , 512, 131-135	1.6	7
206	Quantitative evaluation of strain relaxation in annealed sputter-deposited AlN film. <i>Journal of Crystal Growth</i> , <b>2019</b> , 512, 16-19	1.6	19
205	Statistics of excitonic energy states based on phononic-excitonic-radiative model. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, SCCB34	1.4	3
204	Impact of face-to-face annealed sputtered AlN on the optical properties of AlGa <sub>N</sub> multiple quantum wells. <i>AIP Advances</i> , <b>2019</b> , 9, 125342	1.5	9
203	Fabrication of AlN templates on SiC substrates by sputtering-deposition and high-temperature annealing. <i>Journal of Crystal Growth</i> , <b>2019</b> , 510, 13-17	1.6	11
202	Polarity inversion of aluminum nitride by direct wafer bonding. <i>Applied Physics Express</i> , <b>2018</b> , 11, 031003	2.4	6
201	Temperature Dependence of Stokes Shifts of Excitons and Biexcitons in Al <sub>0.61</sub> Ga <sub>0.39</sub> N Epitaxial Layer. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700374	1.3	3
200	AlGa <sub>N</sub> -based deep UV LEDs grown on sputtered and high temperature annealed AlN/sapphire. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 041110	3.4	136
199	Microstructural analysis in the depth direction of a heteroepitaxial AlN thick film grown on a trench-patterned template by nanobeam X-ray diffraction. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 161563	2.5	1
198	Growth of High-Quality AlN and AlGa <sub>N</sub> Films on Sputtered AlN/Sapphire Templates via High-Temperature Annealing. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700506	1.3	26
197	Temperature dependence of excitonic transitions in Al <sub>0.60</sub> Ga <sub>0.40</sub> N/Al <sub>0.70</sub> Ga <sub>0.30</sub> N multiple quantum wells from 4 to 750 K. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 205705	2.5	4

196	Growth of Si-doped AlN on sapphire (0001) via pulsed sputtering. <i>APL Materials</i> , <b>2018</b> , 6, 111103	5.7	5
195	Improvement mechanism of sputtered AlN films by high-temperature annealing. <i>Journal of Crystal Growth</i> , <b>2018</b> , 502, 41-44	1.6	50
194	Selective area growth of GaN on trench-patterned nonpolar bulk GaN substrates. <i>Journal of Crystal Growth</i> , <b>2017</b> , 468, 851-855	1.6	1
193	A design strategy for achieving more than 90% of the overlap integral of electron and hole wavefunctions in high-AlN-mole-fraction Al <sub>x</sub> Ga <sub>1-x</sub> N multiple quantum wells. <i>Applied Physics Express</i> , <b>2017</b> , 10, 015802	2.4	10
192	High-temperature photoluminescence and photoluminescence excitation spectroscopy of Al <sub>0.60</sub> Ga <sub>0.40</sub> N/Al <sub>0.70</sub> Ga <sub>0.30</sub> N multiple quantum wells. <i>Applied Physics Express</i> , <b>2017</b> , 10, 021002	2.4	7
191	Confinement-enhanced biexciton binding energy in AlGa <sub>N</sub> -based quantum wells. <i>Applied Physics Express</i> , <b>2017</b> , 10, 051003	2.4	2
190	High-quality and highly-transparent AlN template on annealed sputter-deposited AlN buffer layer for deep ultra-violet light-emitting diodes. <i>AIP Advances</i> , <b>2017</b> , 7, 055110	1.5	35
189	Structural study of GaN grown on nonpolar bulk GaN substrates with trench patterns. <i>Japanese Journal of Applied Physics</i> , <b>2017</b> , 56, 125504	1.4	1
188	Fabrication of high-crystallinity a-plane AlN films grown on r-plane sapphire substrates by modulating buffer-layer growth temperature and thermal annealing conditions. <i>Journal of Crystal Growth</i> , <b>2017</b> , 468, 845-850	1.6	16
187	Preparation of high-quality AlN on sapphire by high-temperature face-to-face annealing. <i>Journal of Crystal Growth</i> , <b>2016</b> , 456, 155-159	1.6	165
186	Annealing of an AlN buffer layer in N <sub>2</sub> O for growth of a high-quality AlN film on sapphire. <i>Applied Physics Express</i> , <b>2016</b> , 9, 025501	2.4	139
185	Microstructural analysis of an epitaxial AlN thick film/trench-patterned template by three-dimensional reciprocal lattice space mapping technique. <i>Applied Physics Express</i> , <b>2016</b> , 9, 111001	2.4	6
184	Impact of high-temperature annealing of AlN layer on sapphire and its thermodynamic principle. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 05FL02	1.4	36
183	Excitation and deexcitation dynamics of excitons in a GaN film based on the analysis of radiation from high-order states. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 245102	3	4
182	Reduction of dislocation density of aluminium nitride buffer layer grown on sapphire substrate. <i>Journal of Mechanical Engineering and Sciences</i> , <b>2016</b> , 10, 1908-1916	2	2
181	Microscopic potential fluctuations in Si-doped AlGa <sub>N</sub> epitaxial layers with various AlN molar fractions and Si concentrations. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 025707	2.5	5
180	Growth and characterization of Cu <sub>2</sub> ZnSn(S Se) <sub>1-x</sub> single crystal grown by traveling heater method. <i>Journal of Crystal Growth</i> , <b>2015</b> , 423, 9-15	1.6	10
179	Solution growth of chalcopyrite compounds single crystal. <i>Renewable Energy</i> , <b>2015</b> , 79, 127-130	8.1	5

178	HVPE homoepitaxy on freestanding AlN substrate with trench pattern. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2015</b> , 12, 334-337		3
177	Using surface-plasmon polariton at the GaP-Au interface in order to detect chemical species in high-refractive-index media. <i>Optics Communications</i> , <b>2015</b> , 341, 64-68	2	8
176	Microscopic crystalline structure of a thick AlN film grown on a trench-patterned AlN/Al <sub>2</sub> O <sub>3</sub> template. <i>Journal of Crystal Growth</i> , <b>2015</b> , 411, 38-44	1.6	8
175	Reduction in the concentration of cation vacancies by proper Si-doping in the well layers of high AlN mole fraction Al <sub>x</sub> Ga <sub>1-x</sub> N multiple quantum wells grown by metalorganic vapor phase epitaxy. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 121602	3.4	21
174	Fabrication of AlGa <sub>N</sub> multiple quantum wells on sapphire with lattice-relaxation layer. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2015</b> , 12, 361-364		
173	Growth Characteristics of Graphene Film by Chemical Vapor Deposition Method Using Nozzle Gas Injection. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2015</b> , 13, 265-268	0.7	
172	Study on AlN growth conditions for hydride vapor phase epitaxy. <i>Transactions of the Materials Research Society of Japan</i> , <b>2015</b> , 40, 395-396	0.2	
171	Excitation-dependent carrier dynamics in Al-rich AlGa <sub>N</sub> layers and multiple quantum wells. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 1043-1049	1.3	3
170	Extraordinary Optical Transmission Exhibited by Surface Plasmon Polaritons in a Double-Layer Wire Grid Polarizer. <i>Plasmonics</i> , <b>2015</b> , 10, 1657-1662	2.4	13
169	Thermo-physical properties of Cu <sub>2</sub> ZnSnS <sub>4</sub> single crystal. <i>Journal of Crystal Growth</i> , <b>2014</b> , 393, 167-170	1.6	17
168	Growth and characterization of Cu <sub>2</sub> ZnSn(S <sub>1-x</sub> Se <sub>x</sub> ) <sub>4</sub> alloys grown by the melting method. <i>Journal of Crystal Growth</i> , <b>2014</b> , 386, 204-207	1.6	18
167	Properties of GaN grown on Si(111) substrates dependent on the thickness of 3C-SiC intermediate layers. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 063102	2.5	6
166	Effects of sodium on electrical properties in Cu <sub>2</sub> ZnSnS <sub>4</sub> single crystal. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 152101	3.4	100
165	Growth of AlN Crystals on SiC Substrates by Thermal Nitridation of Al <sub>2</sub> O <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 3781-3786	3.8	2
164	Inhomogeneous distribution of defect-related emission in Si-doped AlGa <sub>N</sub> epitaxial layers with different Al content and Si concentration. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 053509	2.5	19
163	Crack-free GaN grown by using maskless epitaxial lateral overgrowth on Si substrate with thin SiC intermediate layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2014</b> , 211, 744-747	1.6	3
162	Binding energy of localized biexcitons in AlGa <sub>N</sub> -based quantum wells. <i>Applied Physics Express</i> , <b>2014</b> , 7, 122101	2.4	7
161	Anisotropic crystalline morphology of epitaxial thick AlN films grown on triangular-striped AlN/sapphire template. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2014</b> , 211, 731-735	1.6	3

160	Transient photoluminescence of aluminum-rich (Al,Ga)N low-dimensional structures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2014</b> , 211, 765-768	1.6	5
159	Si concentration dependence of structural inhomogeneities in Si-doped Al <sub>x</sub> Ga <sub>1-x</sub> N/AlyGa <sub>1-y</sub> N multiple quantum well structures (x = 0.6) and its relationship with internal quantum efficiency. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 235703	2.5	4
158	Cross-sectional X-ray microdiffraction study of a thick AlN film grown on a trench-patterned AlN/Al <sub>2</sub> O <sub>3</sub> template. <i>Journal of Crystal Growth</i> , <b>2013</b> , 381, 37-42	1.6	9
157	Growth and characterization of Cu <sub>2</sub> ZnSnS <sub>4</sub> single crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2013</b> , 210, 1328-1331	1.6	22
156	Correlation between intrinsic defects and electrical properties in the high-quality Cu <sub>2</sub> ZnSnS <sub>4</sub> single crystal. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 112107	3.4	67
155	Study on the effects of AlN interlayer in thick GaN grown on 3C-SiC/Si substrates. <i>Journal of Crystal Growth</i> , <b>2013</b> , 370, 254-258	1.6	4
154	Nanoindentation hardness and elastic modulus of AlGaN alloys <b>2013</b> ,		1
153	Effects of Si doping in high-quality AlN grown by MOVPE on trench-patterned template. <i>Journal of Crystal Growth</i> , <b>2013</b> , 370, 74-77	1.6	3
152	Impacts of Si-doping and resultant cation vacancy formation on the luminescence dynamics for the near-band-edge emission of Al <sub>0.6</sub> Ga <sub>0.4</sub> N films grown on AlN templates by metalorganic vapor phase epitaxy. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 213506	2.5	73
151	AlN Grown on a- and n-Plane Sapphire Substrates by Low-Pressure Hydride Vapor Phase Epitaxy. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 08JB31	1.4	10
150	Growth and Characterization of AlGaN Multiple Quantum Wells for Electron-Beam Target for Deep-Ultraviolet Light Sources. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 01AF03	1.4	23
149	Correlation between in-plane strain and optical polarization of Si-doped AlGaN epitaxial layers as a function of Al content and Si concentration. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 033512	2.5	8
148	AlN homoepitaxial growth on sublimation-AlN substrate by low-pressure HVPE. <i>Journal of Crystal Growth</i> , <b>2012</b> , 350, 69-71	1.6	14
147	Preparation of Cu <sub>2</sub> ZnSnS <sub>4</sub> single crystals from Sn solutions. <i>Journal of Crystal Growth</i> , <b>2012</b> , 341, 38-41	1.6	59
146	Growth of Cu <sub>2</sub> ZnSnSe <sub>4</sub> single crystals from Sn solutions. <i>Journal of Crystal Growth</i> , <b>2012</b> , 354, 147-151	1.6	40
145	Native cation vacancies in Si-doped AlGaN studied by monoenergetic positron beams. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 013512	2.5	45
144	Orientation dependence of polarized Raman spectroscopy for nonpolar, semi-polar, and polar bulk GaN substrates. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 011909	3.4	10
143	Strain control of GaN grown on 3C-SiC/Si substrate using AlGaN buffer layer. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2012</b> , 9, 550-553		5

142	Effects of carrier gas ratio and growth temperature on MOVPE growth of AlN. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2012</b> , 9, 499-502		12
141	Fabrication of crack-free thick AlN film on a-plane sapphire by low-pressure HVPE. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2012</b> , 9, 576-579		7
140	Photoluminescence due to Inelastic Biexciton Scattering from an Al <sub>0.61</sub> Ga <sub>0.39</sub> N Ternary Alloy Epitaxial Layer at Room Temperature. <i>Applied Physics Express</i> , <b>2012</b> , 5, 072401	2.4	8
139	Temperature Dependence of Linear Thermal Expansion of CuGaSe <sub>2</sub> Crystals. <i>Materials Science Forum</i> , <b>2012</b> , 725, 171-174	0.4	1
138	Dependence of internal quantum efficiency on doping region and Si concentration in Al-rich AlGa <sub>N</sub> quantum wells. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 042110	3-4	37
137	Observation of longitudinal-optic-phonon-plasmon-coupled mode in n-type AlGa <sub>N</sub> alloy films. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 251904	3-4	5
136	HVPE growth of c-plane AlN on a-plane sapphire using nitridation layer. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 470-472		6
135	HVPE growth of AlN on trench-patterned 6H-SiC substrates. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 467-469		9
134	Recombination dynamics of localized excitons in Al <sub>x</sub> Ga <sub>1-x</sub> N (0.37). <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 2133-2135		5
133	Evidence for moving of threading dislocations during the VPE growth in Ga <sub>N</sub> thin layers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 1487-1490		4
132	HVPE growth of thick AlN on trench-patterned substrate. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 1483-1486		7
131	Control of AlN buffer/sapphire substrate interface for AlN growth. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 2069-2071		16
130	Huge binding energy of localized biexcitons in Al-rich Al <sub>x</sub> Ga <sub>1-x</sub> N ternary alloys. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 081907	3-4	8
129	Silicon concentration dependence of optical polarization in AlGa <sub>N</sub> epitaxial layers. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 021910	3-4	14
128	Fabrication of Deep-Ultraviolet-Light-Source Tube Using Si-Doped AlGa <sub>N</sub> . <i>Applied Physics Express</i> , <b>2011</b> , 4, 042103	2.4	52
127	Growth of High-Quality Si-Doped AlGa <sub>N</sub> by Low-Pressure Metalorganic Vapor Phase Epitaxy. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 095502	1.4	13
126	Growth of Cu <sub>2</sub> ZnSnS <sub>4</sub> Single Crystal by Traveling Heater Method. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 128001	1.4	3
125	Variation of Surface Potentials of Si-Doped Al <sub>x</sub> Ga <sub>1-x</sub> N (0 < x < 1). <i>Applied Physics Express</i> , <b>2010</b> , 3, 021004	2.4	5

124	Deep Electronic Levels of Al <sub>x</sub> Ga <sub>1-x</sub> N with a Wide Range of Al Composition Grown by MetalOrganic Vapor Phase Epitaxy. <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 101001	1.4	9
123	In-plane structural anisotropy and polarized Raman-active mode studies of nonpolar AlN grown on 6H-SiC by low-pressure hydride vapor phase epitaxy. <i>Journal of Crystal Growth</i> , <b>2010</b> , 312, 490-494	1.6	7
122	Formation mechanism of Al-depleted bands in MOVPE-AlGa <sub>N</sub> layer on GaN template with trenches. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2010</b> , 7, 2036-2039		
121	a -plane AlN and AlGa <sub>N</sub> growth on r -plane sapphire by MOVPE. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2010</b> , 7, 2107-2110		5
120	In-plane electric field induced by polarization and lateral photovoltaic effect in a-plane GaN. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 231102	3.4	7
119	Growth of High Quality c-plane AlN on a-plane Sapphire. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1202, 55		1
118	Facet-control in selective area growth (SAG) of a-plane GaN by MOVPE. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1202, 98		
117	Fabrication of a binary diffractive lens for controlling the luminous intensity distribution of LED light. <i>Optical Review</i> , <b>2009</b> , 16, 455-457	0.9	6
116	Effects of initial conditions and growth temperature on the properties of nonpolar a -plane AlN grown by LP-HVPE. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2009</b> , 6, S478-S481		5
115	Mobility enhancement of 2DEG in MOVPE-grown AlGa <sub>N</sub> /AlN/GaN HEMT structure using vicinal (0 0 1) sapphire. <i>Superlattices and Microstructures</i> , <b>2009</b> , 46, 812-816	2.8	9
114	Low-pressure HVPE growth of crack-free thick AlN on a trench-patterned AlN template. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 2831-2833	1.6	36
113	Structural and electrical properties of Si-doped a-plane GaN grown on r-plane sapphire by MOVPE. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 2899-2902	1.6	18
112	Photoluminescence study of Si-doped a-plane GaN grown by MOVPE. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 2906-2909	1.6	19
111	Optical properties of MOVPE-grown a-plane GaN and AlGa <sub>N</sub> . <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 2903-2905	1.6	9
110	Growth of undoped and Zn-doped GaN nanowires. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 2970-2972	1.6	9
109	Effects of initial stages on the crystal quality of nonpolar a-plane AlN on r-plane sapphire by low-pressure HVPE. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 3801-3805	1.6	18
108	Influence of off-cut angle of r-plane sapphire on the crystal quality of nonpolar a-plane AlN by LP-HVPE. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 4473-4477	1.6	17
107	Effects of Substrate Plane on the Growth of High Quality AlN by Hydride Vapor Phase Epitaxy. <i>Applied Physics Express</i> , <b>2009</b> , 2, 111004	2.4	16

106	Nitridating r-plane sapphire to improve crystal qualities and surface morphologies of a-plane GaN grown by metalorganic vapor phase epitaxy. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 121910	3.4	19
105	Effect of strain on quantum efficiency of InAlN-based solar-blind photodiodes. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 083504	3.4	17
104	Transmission Electron Microscopy Characterization of Position-Controlled InN Nanocolumns. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 5330-5332	1.4	18
103	Thermal analysis of GaN powder formation via reaction of gallium ethylenediamine tetraacetic acid complexes with ammonia. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2008</b> , 5, 1522-1524		1
102	Improved surface morphology of flow-modulated MOVPE grown AlN on sapphire using thin medium-temperature AlN buffer layer. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2008</b> , 5, 1818-1821		0
101	Improved optical properties of AlGaIn using periodic structures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2008</b> , 5, 1822-1824		1
100	Reactor-pressure dependence of growth of a-plane GaN on r-plane sapphire by MOVPE. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 4979-4982	1.6	31
99	Growth of crack-free AlGaIn on selective-area-growth GaN. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 4885-4888		7
98	Optical Characterization of Japanese Papers for Application in the LED Lighting System with Human Sensitivity. <i>Journal of Light and Visual Environment</i> , <b>2008</b> , 32, 218-221		1
97	Selective Area Growth of III-Nitride and Their Application for Emitting Devices. <i>Journal of Light and Visual Environment</i> , <b>2008</b> , 32, 177-182		
96	Improved surface morphology of flow-modulated MOVPE grown AlN on sapphire using thin medium-temperature AlN buffer layer. <i>Applied Surface Science</i> , <b>2007</b> , 253, 9395-9399	6.7	4
95	Influence of growth conditions on Al incorporation to Al <sub>x</sub> Ga <sub>1-x</sub> N (x>0.4) grown by MOVPE. <i>Journal of Crystal Growth</i> , <b>2007</b> , 298, 372-374	1.6	13
94	Influence of growth interruption and Si doping on the structural and optical properties of Al <sub>x</sub> Ga <sub>1-x</sub> N (x>0.5) multiple quantum wells. <i>Journal of Crystal Growth</i> , <b>2007</b> , 298, 500-503	1.6	14
93	Synthesis of III-nitride microcrystals using metal-EDTA complexes. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 2346-2349		4
92	Dependence of In mole fraction in InGaIn on GaN facets. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 2383-2386		1
91	High temperature growth of AlN film by LP-HVPE. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 2252-2255		17
90	Structural and optical properties of Si-doped AlGaIn/AlN multiple quantum wells grown by MOVPE. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 2494-2497		
89	Blue emission from InGaIn/GaN hexagonal pyramid structures. <i>Superlattices and Microstructures</i> , <b>2007</b> , 41, 341-346	2.8	9

88	Reaction Route of GaN Powder Formation via Sintering Gallium Ethylenediamine Tetraacetic Acid Complexes in Ammonia. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 7693-7698	1.4	1
87	Suppression of Crack Generation Using High-Compressive-Strain AlN/Sapphire Template for Hydride Vapor Phase Epitaxy of Thick AlN Film. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, L552-L555	1.4	14
86	Enhanced emission efficiency of InGaN films with Si doping. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2006</b> , 3, 1944-1948		3
85	Fabrication of thick AlN film by low pressure hydride vapor phase epitaxy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2006</b> , 3, 1479-1482		5
84	n-type conductivity control of AlGaN with high Al mole fraction. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2006</b> , 3, 1435-1438		4
83	Enhancement of blue emission from Mg-doped GaN activated at low temperature in O <sub>2</sub> /N <sub>2</sub> mixture. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2006</b> , 3, 2750-2753		2
82	Optical characterization of CuInSe <sub>2</sub> single crystals prepared by travelling heater method. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2006</b> , 203, 2897-2903	1.6	8
81	Influence of Si doping on the optical and structural properties of InGaN films. <i>Journal of Crystal Growth</i> , <b>2006</b> , 290, 374-378	1.6	4
80	Growth control of carbon nanotubes by plasma-enhanced chemical vapor deposition and reactive ion etching. <i>Vacuum</i> , <b>2006</b> , 80, 798-801	3.7	4
79	Growth of Thick AlN Layer by Hydride Vapor Phase Epitaxy. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, L505-L507	1.4	35
78	Fabrication and characterization of UV Schottky detectors by using a freestanding GaN substrate. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 831, 359		
77	Influence of etching condition on surface morphology of AlN and GaN layers. <i>Physica Status Solidi A</i> , <b>2004</b> , 201, 2755-2759		2
76	Time-resolved nonlinear luminescence of excitonic transitions in GaN. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 138-143	2.5	3
75	X-Ray Analysis of Twist and Tilt of GaN Prepared by Facet-Controlled Epitaxial Lateral Overgrowth (FACELO). <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, L732-L734	1.4	7
74	Metalorganic Vapor Phase Epitaxy Growth and Study of Stress in AlGaN Using Epitaxial AlN as Underlying Layer. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, L572-L574	1.4	10
73	Epitaxial lateral overgrowth of GaN on selected-area Si(1 1 1) substrate with nitrated Si mask. <i>Journal of Crystal Growth</i> , <b>2003</b> , 248, 573-577	1.6	10
72	Photoreflectance of CuInS <sub>2</sub> single crystal prepared by traveling heater method. <i>Journal of Physics and Chemistry of Solids</i> , <b>2003</b> , 64, 2021-2024	3.9	21
71	High performance Schottky UV detectors (265-300 nm) using n-Al <sub>0.5</sub> Ga <sub>0.5</sub> N on AlN epitaxial layer. <i>Physica Status Solidi A</i> , <b>2003</b> , 200, 151-154		13

70	Improved optical properties using self-organized GaN nanotip structure. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2003</b> , 2566-2569		5
69	Growth of high-quality GaN on FACELO substrate by raised-pressure HVPE. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2003</b> , 2159-2162		1
68	MOVPE growth and n-type conductivity control of high-quality Si-doped Al <sub>0.5</sub> Ga <sub>0.5</sub> N using epitaxial AlN as an underlying layer. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2003</b> , 2128-2131		1
67	High-quality AlN epitaxial films on (0001)-faced sapphire and 6H-SiC substrate. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2003</b> , 2023-2026		45
66	Spatially resolved cathodoluminescence study of selected-area ELO-GaN grown on Si(111) substrates. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2003</b> , 2644-2649		
65	TEM analysis of threading dislocations in crack-free Al <sub>x</sub> Ga <sub>1-x</sub> N grown on an AlN(0001) template. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2003</b> , 2444-2447		19
64	Characterization of III-nitride Based Schottky UV Detectors with Wide Detectable Wavelength Range (360-110 nm) using Synchrotron Radiation. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 798, 683		
63	Distribution of Horizontal Dislocations in ELO-GaN. <i>Physica Status Solidi A</i> , <b>2002</b> , 192, 360-365		3
62	Growth of Crack-Free and High-Quality AlGa <sub>x</sub> N with High Al Content Using Epitaxial AlN (0001) Films on Sapphire. <i>Physica Status Solidi A</i> , <b>2002</b> , 194, 498-501		38
61	High Quality GaN Grown by Raised-Pressure HVPE. <i>Physica Status Solidi A</i> , <b>2002</b> , 194, 528-531		11
60	High Quality GaN Grown by Facet-Controlled ELO (FACELO) Technique. <i>Physica Status Solidi A</i> , <b>2002</b> , 194, 545-549		17
59	Field Emission from GaN Self-Organized Nanotips. <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, L1194-L1196		9
58	Distribution of Threading Dislocations in Epitaxial Lateral Overgrowth GaN by Hydride Vapor-Phase Epitaxy Using Mixed Carrier Gas of H <sub>2</sub> and N <sub>2</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, 75-76	1.4	10
57	Photoreflectance of CuAl <sub>x</sub> In <sub>1-x</sub> Se <sub>2</sub> Alloys. <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, 77-78	1.4	11
56	Influence of Ge and Si on Reactive Ion Etching of GaN in Cl <sub>2</sub> Plasma. <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, L31-L33	1.4	3
55	Antireflection Effect of Self-Organized GaN Nanotip Structure from Ultraviolet to Visible Region. <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, L1134-L1136	1.4	12
54	GaN layer structures with buried tungsten nitrides (WN <sub>x</sub> ) using epitaxial lateral overgrowth via MOVPE. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2001</b> , 82, 62-64	3.1	2
53	Fabrication and Optical Characterization of Facet-Controlled ELO (FACELO) GaN by LP-MOVPE. <i>Physica Status Solidi A</i> , <b>2001</b> , 188, 725-728		10

52	Formation of Horizontal Dislocations in Epitaxially Lateral Overgrown (ELO) GaN. <i>Physica Status Solidi A</i> , <b>2001</b> , 188, 739-742		2
51	Transmission Electron Microscopy Investigation of Dislocations in GaN Layer Grown by Facet-Controlled Epitaxial Lateral Overgrowth. <i>Japanese Journal of Applied Physics</i> , <b>2001</b> , 40, L309-L312	1.4	24
50	Formation of GaN Self-Organized Nanotips by Reactive Ion Etching. <i>Japanese Journal of Applied Physics</i> , <b>2001</b> , 40, L1301-L1304	1.4	51
49	Electron Paramagnetic Resonance and Photoluminescence Study of Defects in CuGaSe <sub>2</sub> Single Crystals Grown by the Traveling Heater Method. <i>Japanese Journal of Applied Physics</i> , <b>2001</b> , 40, 59-63	1.4	11
48	In Situ Monitoring of GaN Reactive Ion Etching by Optical Emission Spectroscopy. <i>Japanese Journal of Applied Physics</i> , <b>2001</b> , 40, L313-L315	1.4	8
47	Sharp band edge photoluminescence of high-purity CuInS <sub>2</sub> single crystals. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 742-744	3.4	74
46	Effect of Ge in Cl <sub>2</sub> Plasma for Reactive Ion Etching of GaN. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 693, 174		
45	New buffer layer technique using underlying epitaxial AlN films for high-quality GaN growth. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 693, 501		
44	Formation of GaN Self-Organized Nanotips by Nanomasking Effect. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 693, 525		
43	Characterization of high-quality epitaxial AlN films grown by MOVPE. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 693, 774		4
42	Formation of GaN Self-Organized Nanotips by Nanomasking Effect. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 707, 3521		
41	Fabrication of GaN layer with Low Dislocation Density using Facet controlled ELO technique. <i>Materials Research Society Symposia Proceedings</i> , <b>2000</b> , 639, 531		
40	Fabrication and characterization of low defect density GaN using facet-controlled epitaxial lateral overgrowth (FACELO). <i>Journal of Crystal Growth</i> , <b>2000</b> , 221, 316-326	1.6	364
39	Fabrication of GaN with Buried Tungsten (W) Structures Using Epitaxial Lateral Overgrowth (ELO) via LP-MOVPE. <i>MRS Internet Journal of Nitride Semiconductor Research</i> , <b>2000</b> , 5, 62-68		1
38	Buried Tungsten Metal Structure Fabricated by Epitaxial-Lateral-Overgrown GaN via Low-Pressure Metalorganic Vapor Phase Epitaxy. <i>Japanese Journal of Applied Physics</i> , <b>2000</b> , 39, L449-L452	1.4	16
37	Annealing Effects of CuInS <sub>2</sub> Single Crystals Grown by Traveling Heater Method. <i>Japanese Journal of Applied Physics</i> , <b>2000</b> , 39, 56	1.4	
36	Optical properties of CuGaSe <sub>2</sub> and CuAlSe <sub>2</sub> layers epitaxially grown on Cu(In <sub>0.04</sub> Ga <sub>0.96</sub> )Se <sub>2</sub> substrates. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 7294-7302	2.5	17
35	Review of Facet Controlled Epitaxial Lateral Overgrowth (FACELO) of GaN via Low Pressure Vapor Phase Epitaxy. <i>Materials Research Society Symposia Proceedings</i> , <b>2000</b> , 639, 841		1

34	Selective Area Growth (SAG) and Epitaxial Lateral Overgrowth (ELO) of GaN using Tungsten Mask. <i>MRS Internet Journal of Nitride Semiconductor Research</i> , <b>1999</b> , 4, 441-446		1
33	Hydrogen and Nitrogen Ambient Effects on Epitaxial Lateral Overgrowth (ELO) of GaN VIA Metalorganic Vapor-Phase Epitaxy (MOVPE). <i>MRS Internet Journal of Nitride Semiconductor Research</i> , <b>1999</b> , 4, 118-123		3
32	Optical and Crystalline Properties of Epitaxial-Lateral-Overgrown-GaN Using Tungsten Mask by Hydride Vapor Phase Epitaxy. <i>Japanese Journal of Applied Physics</i> , <b>1999</b> , 38, L356-L359	1.4	60
31	Crystal Orientation Fluctuation of Epitaxial-Lateral-Overgrown GaN with W Mask and SiO <sub>2</sub> Mask Observed by Transmission Electron Diffraction and X-Ray Rocking Curves. <i>Japanese Journal of Applied Physics</i> , <b>1999</b> , 38, L1299-L1302	1.4	18
30	Recent Progress in Selective Area Growth and Epitaxial Lateral Overgrowth of III-Nitrides: Effects of Reactor Pressure in MOVPE Growth. <i>Physica Status Solidi A</i> , <b>1999</b> , 176, 535-543		232
29	Influence of Ambient Gas on the Epitaxial Lateral Overgrowth of GaN by Metalorganic Vapor Phase Epitaxy. <i>Physica Status Solidi A</i> , <b>1999</b> , 176, 561-565		10
28	Effects of Reactor Pressure on Epitaxial Lateral Overgrowth of GaN via Low-Pressure Metalorganic Vapor Phase Epitaxy. <i>Japanese Journal of Applied Physics</i> , <b>1999</b> , 38, L1000-L1002	1.4	88
27	Fabrication of GaN with Buried Tungsten (W) Structures Using Epitaxial Lateral Overgrowth (ELO) via LP-MOVPE. <i>Materials Research Society Symposia Proceedings</i> , <b>1999</b> , 595, 1		1
26	Recent Progress in Selective Area Growth and Epitaxial Lateral Overgrowth of III-Nitrides: Effects of Reactor Pressure in MOVPE Growth <b>1999</b> , 176, 535		2
25	Recent Progress in Selective Area Growth and Epitaxial Lateral Overgrowth of III-Nitrides: Effects of Reactor Pressure in MOVPE Growth <b>1999</b> , 176, 535		1
24	Optical constants of CuGaSe <sub>2</sub> and CuInSe <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 5202-5209	2.5	68
23	Selective Area Growth of GaN Using Tungsten Mask by Metalorganic Vapor Phase Epitaxy. <i>Japanese Journal of Applied Physics</i> , <b>1998</b> , 37, L845-L848	1.4	35
22	Selective Area Growth (SAG) and Epitaxial Lateral Overgrowth (ELO) of GaN Using Tungsten Mask. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 537, 1		2
21	Phase Relations in the CuGa <sub>x</sub> In <sub>1-x</sub> Se <sub>2</sub> -In Pseudobinary System. <i>Japanese Journal of Applied Physics</i> , <b>1997</b> , 36, 785-786	1.4	4
20	Improved quality of CuGaSe <sub>2</sub> and CuAlSe <sub>2</sub> epilayers grown on CuGa <sub>0.96</sub> In <sub>0.04</sub> Se <sub>2</sub> substrates. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 533-535	3.4	11
19	Vapor phase epitaxy of CuAlS <sub>2</sub> on CuGaS <sub>2</sub> substrates by the iodine transport method. <i>Journal of Crystal Growth</i> , <b>1995</b> , 153, 180-183	1.6	12
18	Solution growth of CuInSe <sub>2</sub> from CuSe solutions. <i>Journal of Crystal Growth</i> , <b>1995</b> , 156, 404-409	1.6	7
17	Growth of CuGaS <sub>2</sub> single crystals by the traveling heater method using CuI solvent. <i>Journal of Crystal Growth</i> , <b>1994</b> , 144, 236-242	1.6	6

16	Single Crystal Growth of Cu <sub>x</sub> In <sub>1-x</sub> Se <sub>2</sub> Semiconductors by THM. <i>Japanese Journal of Applied Physics</i> , <b>1993</b> , 32, 156	1.4	16
15	Preparation of CuGa <sub>x</sub> In <sub>1-x</sub> Se <sub>2</sub> alloys from In solutions. <i>Journal of Crystal Growth</i> , <b>1993</b> , 134, 174-180	1.6	17
14	Solution growth of CuGaS <sub>2</sub> and CuGaSe <sub>2</sub> using CuI solvent. <i>Journal of Crystal Growth</i> , <b>1993</b> , 130, 383-388	1.6	7
13	Photoluminescence characteristics of CuAl <sub>x</sub> In <sub>1-x</sub> Se <sub>2</sub> solid solutions grown by iodine transport technique. <i>Journal of Applied Physics</i> , <b>1992</b> , 72, 3697-3701	2.5	12
12	THM growth and properties of CuInSe <sub>2</sub> single crystals. <i>Journal of Crystal Growth</i> , <b>1992</b> , 125, 548-552	1.6	22
11	Seeded growth of CuGaSe <sub>2</sub> single crystals using the travelling heater method. <i>Journal of Crystal Growth</i> , <b>1992</b> , 125, 381-383	1.6	8
10	Thermodynamic study of equilibrium in the CuGa <sub>x</sub> In <sub>1-x</sub> Se <sub>2</sub> -I <sub>2</sub> system. <i>Journal of Crystal Growth</i> , <b>1992</b> , 118, 41-48	1.6	1
9	Study of fluorination of CdTe surfaces. <i>Thin Solid Films</i> , <b>1991</b> , 198, 347-355	2.2	
8	Epitaxial growth of CuAlSe <sub>2</sub> on CuGaSe <sub>2</sub> substrates. <i>Journal of Crystal Growth</i> , <b>1991</b> , 113, 390-394	1.6	18
7	Growth of CuGaS <sub>2</sub> Single Crystals by Traveling Heater Method. <i>Japanese Journal of Applied Physics</i> , <b>1990</b> , 29, L1859-L1861	1.4	18
6	Growth of Bulk CuGaS <sub>2</sub> Single Crystals Using Solution Bridgman Method. <i>Japanese Journal of Applied Physics</i> , <b>1990</b> , 29, L1001-L1003	1.4	9
5	Phase Diagram of the CuGaS <sub>2</sub> -In Pseudobinary System. <i>Japanese Journal of Applied Physics</i> , <b>1990</b> , 29, L998-L1000	1.4	4
4	Photoluminescence of CuAl <sub>x</sub> Ga <sub>1-x</sub> Se <sub>2</sub> crystals grown by chemical vapor transport. <i>Journal of Applied Physics</i> , <b>1989</b> , 65, 5212-5215	2.5	22
3	Deep Levels in Electron-Irradiated GaP at 10 MeV. <i>Japanese Journal of Applied Physics</i> , <b>1989</b> , 28, 1864-1870	1.4	5
2	Growth of CuGaSe <sub>2</sub> single crystals by the traveling heater method. <i>Journal of Crystal Growth</i> , <b>1989</b> , 98, 610-616	1.6	24
1	Distribution Profiles and Annealing Characteristics of Defects in GaAs Induced by Low-Energy FIB Irradiation. <i>Japanese Journal of Applied Physics</i> , <b>1988</b> , 27, L2037-L2039	1.4	13