

Oliver Brandt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6942796/publications.pdf>

Version: 2024-02-01

388
papers

13,079
citations

26567

56
h-index

37111

96
g-index

401
all docs

401
docs citations

401
times ranked

7461
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitride semiconductors free of electrostatic fields for efficient white light-emitting diodes. Nature, 2000, 406, 865-868.	13.7	1,662
2	Colossal Magnetic Moment of Gd in GaN. Physical Review Letters, 2005, 94, 037205.	2.9	338
3	Electronic band structure of wurtzite GaN under biaxial strain in the M-plane investigated with photoreflectance spectroscopy. Physical Review B, 2002, 65, .	1.1	236
4	Direct measurement of local lattice distortions in strained layer structures by HREM. Ultramicroscopy, 1993, 49, 273-285.	0.8	202
5	Origin of high-temperature ferromagnetism in (Ga,Mn)N layers grown on 4H-SiC(0001) by reactive molecular-beam epitaxy. Applied Physics Letters, 2003, 82, 2077-2079.	1.5	197
6	Suitability of Au- and Self-Assisted GaAs Nanowires for Optoelectronic Applications. Nano Letters, 2011, 11, 1276-1279.	4.5	180
7	X-ray diffraction peak profiles from threading dislocations in GaN epitaxial films. Physical Review B, 2005, 72, .	1.1	179
8	Direct comparison of catalyst-free and catalyst-induced GaN nanowires. Nano Research, 2010, 3, 528-536.	5.8	161
9	Surface reconstructions of zinc-blende GaN/GaAs(001) in plasma-assisted molecular-beam epitaxy. Physical Review B, 1995, 52, R2253-R2256.	1.1	159
10	Impact of nucleation conditions on the structural and optical properties of M-plane GaN(11 $\bar{1}$,00) grown on $\hat{1}\bar{3}$ -LiAlO ₂ . Journal of Applied Physics, 2002, 92, 5714-5719.	1.1	143
11	Identification of optical transitions in cubic and hexagonal GaN by spatially resolved cathodoluminescence. Physical Review B, 1996, 53, 1881-1885.	1.1	142
12	High p-type conductivity in cubic GaN/GaAs(113)A by using Be as the acceptor and O as the codopant. Applied Physics Letters, 1996, 69, 2707-2709.	1.5	135
13	Gd-doped GaN: A very dilute ferromagnetic semiconductor with a Curie temperature above 300 K. Physical Review B, 2005, 72, .	1.1	132
14	Growth of M-plane GaN(100) on $\hat{1}\bar{3}$ -LiAlO. Journal of Crystal Growth, 2000, 218, 143-147.	0.7	131
15	Optical phonons of hexagonal and cubic GaN studied by infrared transmission and Raman spectroscopy. Applied Physics Letters, 1995, 67, 733-735.	1.5	127
16	Structural and optical properties of (100) InAs single-monolayer quantum wells in bulklike GaAs grown by molecular-beam epitaxy. Physical Review B, 1990, 41, 12599-12606.	1.1	119
17	Influence of AlN nucleation layers on growth mode and strain relief of GaN grown on 6H-SiC(0001). Applied Physics Letters, 1999, 74, 3660-3662.	1.5	113
18	Luminescence of GaAs nanowires consisting of wurtzite and zinc-blende segments. Physical Review B, 2012, 85, .	1.1	113

#	ARTICLE	IF	CITATIONS
37	Molecular beam epitaxy of single crystalline GaN nanowires on a flexible Ti foil. Applied Physics Letters, 2016, 108, .	1.5	79
38	Exciton localization in submonolayer InAs/GaAs multiple quantum wells. Physical Review B, 1990, 42, 3209-3212.	1.1	78
39	Direct observation of the initial nucleation and epitaxial growth of metastable cubic GaN on (001) GaAs. Applied Physics Letters, 1997, 70, 583-585.	1.5	78
40	Superhigh-frequency surface-acoustic-wave transducers using AlN layers grown on SiC substrates. Applied Physics Letters, 2002, 81, 2538-2540.	1.5	76
41	Determination of the azimuthal orientational spread of GaN films by x-ray diffraction. Applied Physics Letters, 2002, 81, 4928-4930.	1.5	73
42	Molecular Beam Epitaxy of GaN Nanowires on Epitaxial Graphene. Nano Letters, 2017, 17, 5213-5221.	4.5	72
43	Impact of Internal Electric Field and Localization Effect on Quantum Well Excitons in AlGaIn/GaN/InGaIn Light Emitting Diodes. Physica Status Solidi A, 2001, 183, 91-98.	1.7	70
44	Controlled n-type doping of AlN:Si films grown on 6H-SiC(0001) by plasma-assisted molecular beam epitaxy. Applied Physics Letters, 2005, 86, 024106.	1.5	70
45	Epitaxial Growth of GaN Nanowires with High Structural Perfection on a Metallic TiN Film. Nano Letters, 2015, 15, 3743-3747.	4.5	69
46	Metal-Exchange Catalysis in the Growth of Sesquioxides: Towards Heterostructures of Transparent Oxide Semiconductors. Physical Review Letters, 2017, 119, 196001.	2.9	68
47	All-electrical spin injection and detection in the Co ₂ FeSi/GaAs hybrid system in the local and non-local configuration. Applied Physics Letters, 2013, 103, .	1.5	67
48	Growth of M-Plane GaN(11-00): A Way to Evade Electrical Polarization in Nitrides. Physica Status Solidi A, 2000, 180, 133-138.	1.7	64
49	Doping of group III nitrides. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 1609-1614.	0.9	63
50	Macro- and micro-strain in GaN nanowires on Si(111). Nanotechnology, 2011, 22, 295714.	1.3	61
51	Formation and morphology of InAs/GaAs heterointerfaces. Physical Review B, 1992, 45, 8443-8453.	1.1	60
52	Evaluation of the surface stoichiometry during molecular beam epitaxy of cubic GaN on (001) GaAs. Applied Physics Letters, 1996, 68, 244-246.	1.5	60
53	MBE growth of cubic GaN on GaAs substrates. Physica Status Solidi (B): Basic Research, 1996, 194, 109-120.	0.7	60
54	Growth of M-plane GaN films on $\hat{\Gamma}^3$ -LiAlO ₂ (100) with high phase purity. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 1350.	1.6	60

#	ARTICLE	IF	CITATIONS
55	Unpinning the Fermi level of GaN nanowires by ultraviolet radiation. <i>Physical Review B</i> , 2010, 82, .	1.1	60
56	Surface kinetics of zinc-blende (001) GaN. <i>Physical Review B</i> , 1996, 54, 4432-4435.	1.1	59
57	Valence band discontinuity at a cubic GaN/GaAs heterojunction measured by synchrotron-radiation photoemission spectroscopy. <i>Applied Physics Letters</i> , 1997, 70, 2407-2409.	1.5	56
58	Shallow donors in GaN studied by electronic Raman scattering in resonance with yellow luminescence transitions. <i>Applied Physics Letters</i> , 1996, 69, 1276-1278.	1.5	55
59	X-ray standing wave and high-resolution x-ray diffraction study of the GaAs/InAs/GaAs(100) heterointerface. <i>Physical Review B</i> , 1993, 48, 11496-11499.	1.1	54
60	Acoustically Driven Photon Antibunching in Nanowires. <i>Nano Letters</i> , 2012, 12, 252-258.	4.5	54
61	Guided propagation of surface acoustic waves in AlN and GaN films grown on 4H-SiC(0001) substrates. <i>Physical Review B</i> , 2002, 66, .	1.1	53
62	Polarization-dependent spectroscopic study of M-plane GaN on β -LiAlO ₂ . <i>Applied Physics Letters</i> , 2002, 80, 413-415.	1.5	53
63	Monitoring the Formation of Nanowires by Line-of-Sight Quadrupole Mass Spectrometry: A Comprehensive Description of the Temporal Evolution of GaN Nanowire Ensembles. <i>Nano Letters</i> , 2015, 15, 1930-1937.	4.5	53
64	Evidence of localization effects in InGaN single-quantum-well ultraviolet light-emitting diodes. <i>Applied Physics Letters</i> , 2000, 76, 1671-1673.	1.5	52
65	Polarization-sensitive ultraviolet photodetectors based on M-plane GaN grown on LiAlO ₂ substrates. <i>Applied Physics Letters</i> , 2006, 88, 213507.	1.5	52
66	Polarization anisotropy in GaN films for different nonpolar orientations studied by polarized photoreflectance spectroscopy. <i>Applied Physics Letters</i> , 2006, 88, 161920.	1.5	51
67	Current path in light emitting diodes based on nanowire ensembles. <i>Nanotechnology</i> , 2012, 23, 465301.	1.3	50
68	Photoluminescence from strained InAs monolayers in GaAs under pressure. <i>Physical Review B</i> , 1994, 50, 1575-1581.	1.1	49
69	Properties of InN layers grown on 6H-SiC(0001) by plasma-assisted molecular beam epitaxy. <i>Applied Physics Letters</i> , 2004, 84, 1671-1673.	1.5	49
70	Ga adsorption and desorption kinetics on M-plane GaN. <i>Physical Review B</i> , 2004, 69, .	1.1	49
71	Nucleation, Growth, and Bundling of GaN Nanowires in Molecular Beam Epitaxy: Disentangling the Origin of Nanowire Coalescence. <i>Nano Letters</i> , 2016, 16, 3717-3725.	4.5	49
72	Impact of recombination centers on the spontaneous emission of semiconductors under steady-state and transient conditions. <i>Physical Review B</i> , 1996, 54, R5215-R5218.	1.1	48

#	ARTICLE	IF	CITATIONS
73	Electronic structure of cubic gallium nitride films grown on GaAs. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1996, 14, 819-824.	0.9	47
74	Crack-free and conductive Si-doped AlN \cdot GaN distributed Bragg reflectors grown on 6H-SiC(0001). <i>Applied Physics Letters</i> , 2004, 85, 1970-1972.	1.5	46
75	Collector Phase Transitions during Vapor \rightarrow Solid \rightarrow Solid Nucleation of GaN Nanowires. <i>Nano Letters</i> , 2010, 10, 3426-3431.	4.5	46
76	Heavy- and light-hole character of optical transitions in InAs/GaAs single-monolayer quantum wells. <i>Physical Review B</i> , 1992, 45, 4217-4220.	1.1	45
77	Reactive molecular-beam epitaxy of GaN layers directly on 6H-SiC(0001). <i>Applied Physics Letters</i> , 1999, 75, 944-946.	1.5	44
78	Microstructure of M-plane GaN epilayers grown on $\hat{1}^3$ -LiAlO ₂ by plasma-assisted molecular beam epitaxy. <i>Philosophical Magazine Letters</i> , 2004, 84, 435-441.	0.5	44
79	Height self-equilibration during the growth of dense nanowire ensembles: Order emerging from disorder. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	44
80	Correlation between the structural and optical properties of spontaneously formed GaN nanowires: a quantitative evaluation of the impact of nanowire coalescence. <i>Nanotechnology</i> , 2014, 25, 455702.	1.3	44
81	Statistical Analysis of the Shape of One-Dimensional Nanostructures: Determining the Coalescence Degree of Spontaneously Formed GaN Nanowires. <i>Crystal Growth and Design</i> , 2014, 14, 2246-2253.	1.4	44
82	Photoluminescence of virtual \hat{e} -surfactant grown InAs/Al _{0.48} In _{0.52} As single quantum wells. <i>Applied Physics Letters</i> , 1992, 60, 2877-2879.	1.5	43
83	The benefit of disorder. <i>Nature Materials</i> , 2006, 5, 769-770.	13.3	43
84	State mixing in InAs/GaAs quantum dots at the pressure-induced $\hat{1}^c$ -Xcrossing. <i>Physical Review B</i> , 1994, 50, 18420-18425.	1.1	42
85	In situ optical reflectometry applied to growth of indium gallium nitride epilayers and multi-quantum well structures. <i>Semiconductor Science and Technology</i> , 2003, 18, 212-218.	1.0	42
86	Coexistence of quantum-confined Stark effect and localized states in an (In,Ga)N/GaN nanowire heterostructure. <i>Physical Review B</i> , 2011, 84, .	1.1	42
87	Stacking faults as quantum wells in nanowires: Density of states, oscillator strength, and radiative efficiency. <i>Physical Review B</i> , 2014, 90, .	1.1	42
88	Growth mode, strain relief, and segregation of (Ga,In)Sb on GaSb(001) grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 1996, 68, 31-33.	1.5	41
89	Optimized growth conditions for the epitaxial nucleation of $\hat{1}^2$ -GaN on GaAs(001) by molecular beam epitaxy. <i>Applied Physics Letters</i> , 1997, 71, 473-475.	1.5	40
90	Recombination dynamics in GaN. <i>Journal of Crystal Growth</i> , 1998, 189-190, 790-793.	0.7	40

#	ARTICLE	IF	CITATIONS
91	Strained M-plane GaN for the realization of polarization-sensitive photodetectors. Applied Physics Letters, 2002, 81, 3380-3382.	1.5	40
92	Magnetic phases and anisotropy in Gd-doped GaN. Physical Review B, 2006, 74, .	1.1	40
93	Observation of Dielectrically Confined Excitons in Ultrathin GaN Nanowires up to Room Temperature. Nano Letters, 2016, 16, 973-980.	4.5	40
94	Disorder-induced reversal of spin polarization in the Heusler alloy Co_2FeSi . Physical Review B, 2011, 83, .	1.1	38
95	Optical gain in optically pumped cubic GaN at room temperature. Applied Physics Letters, 1997, 70, 1076-1077.	1.5	35
96	M-plane GaN grown on $\text{LiAlO}_2(100)$: nitride semiconductors free of internal electrostatic fields. Journal of Crystal Growth, 2001, 227-228, 437-441.	0.7	35
97	Ferrimagnetic $\text{Mn}_4\text{N}(111)$ layers grown on $6\text{H-SiC}(0001)$ and $\text{GaN}(0001)$ by reactive molecular-beam epitaxy. Applied Physics Letters, 2005, 86, 112504.	1.5	35
98	Nanowires Bending over Backward from Strain Partitioning in Asymmetric Core-Shell Heterostructures. Nano Letters, 2018, 18, 2343-2350.	4.5	35
99	Structural properties of GaN layers on $\text{Si}(001)$ grown by plasma-assisted molecular beam epitaxy. Journal of Applied Physics, 1998, 83, 3800-3806.	1.1	34
100	High-Temperature Growth of GaN Nanowires by Molecular Beam Epitaxy: Toward the Material Quality of Bulk GaN. Crystal Growth and Design, 2015, 15, 4104-4109.	1.4	34
101	Triple crystal x-ray diffractometry of periodic arrays of semiconductor quantum wires. Applied Physics Letters, 1993, 63, 3140-3142.	1.5	33
102	Nucleation and growth of GaN layers on GaAs, Si, and SiC substrates. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1998, 16, 2229.	1.6	33
103	Overdamped excitations of the free electron gas in GaN layers studied by Raman spectroscopy. Physical Review B, 1998, 58, 1118-1121.	1.1	33
104	Strain Engineering of Nanowire Multi-Quantum Well Demonstrated by Raman Spectroscopy. Nano Letters, 2013, 13, 4053-4059.	4.5	33
105	Origin of the nonradiative decay of bound excitons in GaN nanowires. Physical Review B, 2014, 90, .	1.1	32
106	Effect of In segregation on the structural and optical properties of ultrathin InAs films in GaAs. Applied Physics Letters, 1992, 61, 2814-2816.	1.5	31
107	Unpinned behavior of the surface Fermi level of GaN detected by photoreflectance spectroscopy. Journal of Applied Physics, 2000, 87, 4315-4318.	1.1	31
108	Dislocation contrast in cathodoluminescence and electron-beam induced current maps on $\text{GaN}(0001)$. Journal Physics D: Applied Physics, 2017, 50, 405101.	1.3	31

#	ARTICLE	IF	CITATIONS
109	Self-assembled formation of long, thin, and uncoalesced GaN nanowires on crystalline TiN films. Nano Research, 2018, 11, 565-576.	5.8	31
110	Picosecond dynamics of excitons in cubic GaN. Physical Review B, 1995, 52, R11615-R11618.	1.1	30
111	Cubic (In,Ga)N layers grown on GaAs(001) by dc plasma-assisted molecular beam epitaxy. Journal of Applied Physics, 1997, 82, 1918-1920.	1.1	30
112	Very narrow-band ultraviolet photodetection based on strained M-plane GaN films. Applied Physics Letters, 2007, 90, 091110.	1.5	30
113	Single crystalline Sc ₂ O ₃ /Y ₂ O ₃ heterostructures as novel engineered buffer approach for GaN integration on Si (111). Journal of Applied Physics, 2010, 108, 063502.	1.1	30
114	Formation of High-Quality GaN Microcrystals by Pendeoepitaxial Overgrowth of GaN Nanowires on Si(111) by Molecular Beam Epitaxy. Crystal Growth and Design, 2011, 11, 4257-4260.	1.4	30
115	Luminous Efficiency of Axial In _x Ga _{1-x} N/GaN Nanowire Heterostructures: Interplay of Polarization and Surface Potentials. Nano Letters, 2013, 13, 3298-3304.	4.5	30
116	Optical properties of a high-quality (311)-oriented GaAs/Al _{0.33} Ga _{0.67} As single quantum well. Physical Review B, 1993, 48, 17599-17602.	1.1	29
117	Hot-electron photoluminescence study of the (Ga,Mn)As diluted magnetic semiconductor. Physical Review B, 2006, 73, .	1.1	29
118	Complete in-plane polarization anisotropy of the A exciton in unstrained A-plane GaN films. Applied Physics Letters, 2007, 91, 141903.	1.5	29
119	Electronic properties of wurtzite GaAs: A correlated structural, optical, and theoretical analysis of the same polytypic GaAs nanowire. Nano Research, 2018, 11, 4708-4721.	5.8	29
120	Optical transitions in cubic GaN investigated by spatially resolved cathodoluminescence. Applied Physics Letters, 1996, 69, 836-838.	1.5	28
121	Chapter 7 Crystal Structure of Group III Nitrides. Semiconductors and Semimetals, 1997, 50, 167-192.	0.4	28
122	Growth and mosaic model of GaN grown directly on 6H-SiC(0001) by direct current plasma assisted molecular beam epitaxy. Journal of Crystal Growth, 1998, 192, 28-32.	0.7	28
123	Inhomogeneous strain in GaN nanowires determined from x-ray diffraction peak profiles. Physical Review B, 2012, 86, .	1.1	28
124	Evidence for superradiant decay of excitons in InAs quantum sheets. Physical Review B, 1992, 45, 3803-3806.	1.1	27
125	Violet and blue emitting (In,Ga)N/GaN multiple quantum wells grown on $\hat{\Gamma}^3$ -LiAlO ₂ (100) by radio frequency plasma-assisted molecular beam epitaxy. Applied Physics Letters, 1999, 75, 2029-2031.	1.5	27
126	Influence of heteroepitaxy on the width and frequency of the E ₂ (high)-phonon line in GaN studied by Raman spectroscopy. Journal of Applied Physics, 2001, 89, 3634-3641.	1.1	27

#	ARTICLE	IF	CITATIONS
127	Polarization filtering by nonpolar M-plane GaN films on LiAlO ₂ . Journal of Applied Physics, 2004, 96, 7029-7035.	1.1	27
128	X-ray diffraction of epitaxial films with arbitrarily correlated dislocations: Monte Carlo calculation and experiment. Physical Review B, 2009, 80, .	1.1	27
129	Compatibility of the selective area growth of GaN nanowires on AlN-buffered Si substrates with the operation of light emitting diodes. Nanotechnology, 2015, 26, 085605.	1.3	27
130	Time-resolved photoluminescence spectroscopy of individual GaN nanowires. Physical Review B, 2012, 86, .	1.1	26
131	Sub-meV linewidth in GaN nanowire ensembles: Absence of surface excitons due to the field ionization of donors. Physical Review B, 2014, 90, .	1.1	26
132	X-ray diffraction study of corrugated semiconductor surfaces, quantum wires and quantum wells. Applied Surface Science, 1992, 60-61, 517-521.	3.1	25
133	Thermal stability of epitaxial Fe films on GaN(0001). Applied Physics Letters, 2009, 95, 111906.	1.5	25
134	Carrier capture by threading dislocations in (In,Ga)N/GaN heteroepitaxial layers. Physical Review B, 2010, 81, .	1.1	25
135	Mg diffusion during metalorganic vapor phase epitaxy of InP. Applied Physics Letters, 1989, 55, 1017-1019.	1.5	24
136	Growth processes and relaxation mechanisms in the molecular beam epitaxy of InAs/GaAs heterostructures. Journal of Crystal Growth, 1991, 111, 383-387.	0.7	24
137	Growth of high-quality (Al,Ga)N and (Ga,In)N heterostructures on SiC(0001) by both plasma-assisted and reactive molecular beam epitaxy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 2290.	1.6	24
138	Optical properties of wurtzite Al _x Ga _{1-x} N (x<0.1) parallel and perpendicular to the c-axis. Physical Review B, 2001, 64, .	1.1	24
139	Indentation of GaN: A Study of the Optical Activity and Strain State of Extended Defects. Physica Status Solidi A, 2002, 192, 79-84.	1.7	24
140	Surface-acoustic-wave transducers for the extremely-high-frequency range using AlN/SiC(0001). Semiconductor Science and Technology, 2004, 19, 256-259.	1.0	24
141	Statistical analysis of excitonic transitions in single, free-standing GaN nanowires: Probing impurity incorporation in the poissonian limit. Nano Research, 2010, 3, 881-888.	5.8	24
142	Stochastic model for the fluctuation-limited reaction-diffusion kinetics in inhomogeneous media based on the nonlinear Smoluchowski equations. Journal of Mathematical Chemistry, 2015, 53, 651-669.	0.7	24
143	Electrostatic fields and compositional fluctuations in (In,Ga)N/GaN multiple quantum wells grown by plasma-assisted molecular-beam epitaxy. Physical Review B, 2001, 64, .	1.1	23
144	In surface segregation during growth of (In,Ga)N/GaN multiple quantum wells by plasma-assisted molecular beam epitaxy. Physical Review B, 2002, 66, .	1.1	23

#	ARTICLE	IF	CITATIONS
145	Correlation between In content and emission wavelength of In _x Ga _{1-x} N/GaN nanowire heterostructures. <i>Nanotechnology</i> , 2012, 23, 455203.	1.3	23
146	Non-destructive assessment of the polarity of GaN nanowire ensembles using low-energy electron diffraction and x-ray photoelectron diffraction. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	23
147	Self-assembled growth of GaN nanowires on amorphous AlxOy: from nucleation to the formation of dense nanowire ensembles. <i>Nanotechnology</i> , 2016, 27, 325601.	1.3	23
148	Top-down fabrication of ordered arrays of GaN nanowires by selective area sublimation. <i>Nanoscale Advances</i> , 2019, 1, 1893-1900.	2.2	23
149	Long-wavelength (Ga, In)Sb/GaSb strained quantum well lasers grown by molecular beam epitaxy. <i>Semiconductor Science and Technology</i> , 1998, 13, 936-940.	1.0	22
150	Structural characterization of thin GaN epilayers directly grown on on-axis 6H-SiC(0001) by plasma-assisted molecular beam epitaxy. <i>Applied Physics Letters</i> , 1998, 73, 3869-3871.	1.5	22
151	Coupling of exciton states as the origin of their biexponential decay dynamics in GaN nanowires. <i>Physical Review B</i> , 2013, 88, .	1.1	22
152	Excitons in InAs/GaAs submonolayer quantum wells. <i>Physical Review B</i> , 1991, 43, 14285-14288.	1.1	21
153	Redistribution of epitaxial Si on (001) GaAs during overgrowth by GaAs. <i>Applied Physics Letters</i> , 1991, 59, 2730-2732.	1.5	21
154	Recombination processes and photoluminescence intensity in quantum wells under steady-state and transient conditions. <i>Physical Review B</i> , 1995, 51, 7029-7037.	1.1	21
155	Characterization of zinc blende In _x Ga _{1-x} N grown by radio frequency plasma assisted molecular beam epitaxy on GaAs (001). <i>Applied Physics Letters</i> , 1997, 71, 909-911.	1.5	21
156	Green photoluminescence from cubic In _{0.4} Ga _{0.6} N grown by radio frequency plasma-assisted molecular beam epitaxy. <i>Applied Physics Letters</i> , 1998, 73, 1230-1232.	1.5	21
157	In surface segregation in M-plane (In,Ga)N/GaN multiple quantum well structures. <i>Applied Physics Letters</i> , 2003, 83, 5178-5180.	1.5	21
158	GaN nanowire templates for the pendeoepitaxial coalescence overgrowth on Si(111) by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2011, 323, 418-421.	0.7	21
159	Radial Stark Effect in (In,Ga)N Nanowires. <i>Nano Letters</i> , 2016, 16, 917-925.	4.5	21
160	In/GaN(0001)-(3Å–3)R30° adsorbate structure as a template for embedded (In, Ga)N/GaN monolayers and short-period superlattices. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	21
161	Luminous Efficiency of Ordered Arrays of GaN Nanowires with Subwavelength Diameters. <i>ACS Photonics</i> , 2017, 4, 52-62.	3.2	21
162	Structural and vibrational properties of (InAs) _m (GaAs) _n strained superlattices grown by molecular beam epitaxy. <i>Journal of Applied Physics</i> , 1991, 69, 786-792.	1.1	20

#	ARTICLE	IF	CITATIONS
181	Atomic structure of the surface reconstructions of zincblende GaN(001). Surface Science, 1997, 385, 178-186.	0.8	17
182	Interplay between growth kinetics and material quality of cubic GaN. Solid-State Electronics, 1997, 41, 235-237.	0.8	17
183	In-plane polarization anisotropy and polarization rotation for M-plane GaN films on LiAlO ₂ . Applied Physics Letters, 2003, 83, 4327-4329.	1.5	17
184	Polarization-dependent beam switch based on an M-plane GaN/AlN distributed Bragg reflector. Applied Physics Letters, 2007, 90, 231117.	1.5	17
185	Understanding peculiarities in the optoelectronic characteristics of light emitting diodes based on (In,Ga)N/GaN nanowires. Applied Physics Letters, 2014, 105, .	1.5	17
186	Analysis of reciprocal space maps of GaN(0001) films grown by molecular beam epitaxy. Journal of Applied Crystallography, 2014, 47, 256-263.	1.9	17
187	Molecular-beam epitaxially grown Si/GaAs interfaces: Delta-doping, Si on GaAs, and GaAs on Si. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1992, 10, 841.	1.6	16
188	Influence of localization on the carrier diffusion in GaAs/(Al,Ga)As and (In,Ga)(As,N)/GaAs quantum wells: A comparative study. Physical Review B, 2006, 73, .	1.1	16
189	Exciton impact-ionization dynamics modulated by surface acoustic waves in GaN. Physical Review B, 2007, 75, .	1.1	16
190	Reflection high-energy electron diffraction $\tilde{\Gamma}$ scans for in situ monitoring the heteroepitaxial growth of Fe on GaN(0001) by molecular beam epitaxy. Applied Physics Letters, 2010, 97, 031906.	1.5	16
191	Growth of wurtzite InN on bulk In ₂ O ₃ (111) wafers. Applied Physics Letters, 2012, 101, .	1.5	16
192	Importance of the dielectric contrast for the polarization of excitonic transitions in single GaN nanowires. New Journal of Physics, 2015, 17, 033040.	1.2	16
193	Comparison of the Luminous Efficiencies of Ga- and N-Polar $\langle \text{In}_x \text{Ga}_{1-x} \text{N} \rangle$ Nanowires. Physical Review Applied, 2015, 3, 044107.	1.5	16
194	Determination of the Carrier Diffusion Length in GaN from Cathodoluminescence Maps Around Threading Dislocations: Fallacies and Opportunities. Physical Review Applied, 2019, 12, .	1.5	16
195	Virtual-surfactant-induced wetting in strained-layer heteroepitaxy. Applied Physics A: Solids and Surfaces, 1993, 56, 91-94.	1.4	15
196	InAs monolayers and quantum dots in a crystalline GaAs matrix. Semiconductor Science and Technology, 1993, 8, S229-S235.	1.0	15
197	Kinematical RHEED simulation of different structure models for the GaAs (311)A surface. Applied Surface Science, 1996, 104-105, 35-44.	3.1	15
198	Indium Surface Segregation during Growth of (In,Ga)N/GaN Multiple Quantum Wells by Plasma-Assisted Molecular Beam Epitaxy. Physica Status Solidi (B): Basic Research, 2001, 228, 49-53.	0.7	15

#	ARTICLE	IF	CITATIONS
217	Modeling the electronic properties of GaAs polytype nanostructures: Impact of strain on the conduction band character. <i>Physical Review B</i> , 2017, 95, .	1.1	14
218	Excitonic Aharonovâ€“Bohm Oscillations in Coreâ€“Shell Nanowires. <i>Advanced Materials</i> , 2019, 31, 1805645.	11.1	14
219	Coaxial GaAs/(In,Ga)As Dot-in-a-Well Nanowire Heterostructures for Electrically Driven Infrared Light Generation on Si in the Telecommunication O Band. <i>ACS Applied Nano Materials</i> , 2020, 3, 165-174.	2.4	14
220	Advances in Group-III-Nitride Photodetectors. <i>Open Electrical and Electronic Engineering Journal</i> , 2010, 4, 1-9.	0.6	14
221	Nucleation, Relaxation and Redistribution of Si Layers in GaAs. <i>Japanese Journal of Applied Physics</i> , 1993, 32, L24-L27.	0.8	13
222	Time-resolved photoluminescence investigations of cubic GaN layers and crystals up to room temperature. <i>Applied Physics Letters</i> , 1997, 70, 1808-1810.	1.5	13
223	Growth of M-plane GaN on $\hat{1}^3$:- the role of Ga adsorption/desorption. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 23, 339-346.	1.3	13
224	Comparison of the spectral and temporal emission characteristics of homoepitaxial and heteroepitaxial ZnO nanowires. <i>Applied Physics Letters</i> , 2011, 98, 113113.	1.5	13
225	Raman spectroscopy as a probe for the coupling of light into ensembles of sub-wavelength-sized nanowires. <i>Applied Physics Letters</i> , 2012, 101, 083104.	1.5	13
226	Luminescent N-polar (In,Ga)N/GaN quantum wells achieved by plasma-assisted molecular beam epitaxy at temperatures exceeding 700â€“C. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	13
227	Interfacial reactions during the molecular beam epitaxy of GaN nanowires on Ti/Al_{2O_3} . <i>Nanotechnology</i> , 2019, 30, 114001.	1.3	13
228	Mg incorporation process during LP-MOVPE of InP, GaInAs and GaInAsP. <i>Journal of Crystal Growth</i> , 1990, 105, 353-358.	0.7	12
229	Comparative analysis of the optical quality of single $In_{0.1}Ga_{0.9}As/Al_{0.33}Ga_{0.67}As$ quantum wells grown by molecular beam epitaxy on (100) and $\hat{3}11$ GaAs substrates. <i>Applied Physics Letters</i> , 1995, 67, 1885-1887.	1.5	12
230	MBE growth and characteristics of cubic GaN. <i>Thin Solid Films</i> , 1997, 306, 231-236.	0.8	12
231	Optical properties of cubic GaN and (In,Ga)N. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1998, 2, 532-538.	1.3	12
232	Strain relaxation in AlN/GaN bilayer films grown on $\hat{1}^3$ -LiAlO ₂ (100) for nanoelectromechanical systems. <i>Applied Physics Letters</i> , 2004, 84, 4756-4758.	1.5	12
233	Localization and defects in axial (In,Ga)N/GaN nanowire heterostructures investigated by spatially resolved luminescence spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 394010.	1.3	12
234	Elastic versus Plastic Strain Relaxation in Coalesced GaN Nanowires: An X-Ray Diffraction Study. <i>Physical Review Applied</i> , 2016, 6, .	1.5	12

#	ARTICLE	IF	CITATIONS
235	Piezoelectric field, exciton lifetime, and cathodoluminescence intensity at threading dislocations in GaN{0001}. Applied Physics Letters, 2018, 112, .	1.5	12
236	Strain relief process at highly strained semiconductor heterointerfaces studied by high-resolution X-ray diffraction. Applied Surface Science, 1992, 56-58, 650-655.	3.1	11
237	Impact of exciton diffusion on the optical properties of thin GaN layers. Physical Review B, 1998, 58, R13407-R13410.	1.1	11
238	High Pressure Luminescence of Zincblende and Wurtzite GaN. Physica Status Solidi (B): Basic Research, 1999, 211, 57-61.	0.7	11
239	Properties of (In,Ga)N/GaN quantum wells grown by plasma-assisted molecular beam epitaxy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 1626.	1.6	11
240	Effect of Exciton Localization on the Quantum Efficiency of GaN/(In,Ga)N Multiple Quantum Wells. Physica Status Solidi A, 2002, 192, 85-90.	1.7	11
241	Photoluminescence intensity of GaN films with widely varying dislocation density. Journal of Materials Research, 2003, 18, 1247-1250.	1.2	11
242	Ultrafast behavior of the polarization filtering in anisotropically strainedM-plane GaN films: A time-resolved pump-probe spectroscopy study. Physical Review B, 2006, 74, .	1.1	11
243	Impact of Random Dopant Fluctuations on the Electronic Properties of In _x Ga _{1-x} N/GaN Axial Nanowire Heterostructures. Nano Letters, 2015, 15, 4289-4294.	4.5	11
244	Optical properties of GaN nanowires grown on chemical vapor deposited-graphene. Nanotechnology, 2019, 30, 214005.	1.3	11
245	Surface-Acoustic-Wave Delay Line at 24 GHz Using the Guided Rayleigh Mode in AlN/SiC Structures. Japanese Journal of Applied Physics, 2003, 42, 1594-1595.	0.8	10
246	Integration of GaN Crystals on Micropatterned Si(0 0 1) Substrates by Plasma-Assisted Molecular Beam Epitaxy. Crystal Growth and Design, 2015, 15, 4886-4892.	1.4	10
247	Exciton recombination at crystal-phase quantum rings in GaAs/In _x Ga _{1-x} As core/multishell nanowires. Applied Physics Letters, 2016, 109, .	1.5	10
248	Nature of excitons bound to inversion domain boundaries: Origin of the 3.45-eV luminescence lines in spontaneously formed GaN nanowires on Si(111). Physical Review B, 2016, 94, .	1.1	10
249	Exciton dynamics in GaAs/(Al,Ga)As core-shell nanowires with shell quantum dots. Physical Review B, 2016, 94, .	1.1	10
250	Drastically enhanced cation incorporation in the epitaxy of oxides due to formation and evaporation of suboxides from elemental sources. APL Materials, 2021, 9, .	2.2	10
251	Molecular beam epitaxy of (211)â€œInAs quantum sheets in GaAs. Applied Physics Letters, 1992, 61, 441-443.	1.5	9
252	Direct synthesis of InAs quantum dots in single-crystalline GaAs matrix by molecular beam epitaxy. Surface Science, 1992, 267, 204-208.	0.8	9

#	ARTICLE	IF	CITATIONS
253	Role of broken translational invariance for the optical response of excitons in low-dimensional semiconductors. <i>Surface Science</i> , 1992, 267, 319-322.	0.8	9
254	Gaussian line-shape analysis of the room temperature photoreflectance of GaAs/AlGaAs and InAs/GaAs multiple quantum wells. <i>Solid State Communications</i> , 1993, 87, 481-485.	0.9	9
255	Determination of the lateral periodicity of nanometer quantum dot arrays by triple crystal diffractometry. <i>Applied Physics Letters</i> , 1993, 63, 156-158.	1.5	9
256	Optical properties of InAs quantum wells emitting between 0.9 μm and 2.5 μm . <i>Semiconductor Science and Technology</i> , 1993, 8, S236-S239.	1.0	9
257	Structural and optical properties of strained (Ga,In)Sb/GaSb quantum wells grown by molecular-beam epitaxy. <i>Applied Physics Letters</i> , 1996, 69, 2237-2239.	1.5	9
258	Strain field and chemical composition determination of InGaN/GaN and AlGaN/GaN multiple quantum wells grown on SiC substrates. <i>Journal of Applied Physics</i> , 2002, 92, 70-76.	1.1	9
259	Improved synthesis of (In,Ga)N/GaN multiple quantum wells by plasma-assisted molecular-beam epitaxy. <i>Applied Physics Letters</i> , 2003, 83, 90-92.	1.5	9
260	Highly anisotropic dispersion of surface acoustic waves in M-plane GaN layers grown on $\text{LiAlO}_2(100)$. <i>Physical Review B</i> , 2004, 69, .	1.1	9
261	Epitaxial orientation of MnAs layers grown on GaAs surfaces by means of solid-state crystallization. <i>Physical Review B</i> , 2008, 78, .	1.1	9
262	Raman scattering by wave-vector-dependent coupled plasmon/LO-phonon modes in $\text{In}_x\text{N}_{1-x}$ type InN. <i>Physical Review B</i> , 2012, 85, .	1.1	9
263	Ultraviolet light-emitting diodes grown by plasma-assisted molecular beam epitaxy on semipolar GaN (20°A^{-1}) substrates. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	9
264	Electron spin dynamics in cubic GaN. <i>Physical Review B</i> , 2016, 94, .	1.1	9
265	Ga-Polar $\text{In}_x\text{N}_{1-x}$ Quantum Wells Versus N-Polar (In,Ga)N Quantum Disks in GaN Nanowires: A Comparative Analysis of Carrier Diffusion in $\text{In}_x\text{N}_{1-x}$ Quantum Wells Versus N-Polar (In,Ga)N Quantum Disks in GaN Nanowires: A Comparative Analysis of	1.5	9
266	Radius-dependent homogeneous strain in uncoalesced GaN nanowires. <i>Acta Materialia</i> , 2020, 195, 87-97.	3.8	9
267	Carrier Diffusion in $\text{In}_x\text{N}_{1-x}$ Quantum Wells Versus N-Polar (In,Ga)N Quantum Disks in GaN Nanowires: A Comparative Analysis of Nature of Nonradiative Recombination at Threading Dislocations. <i>Physical Review Applied</i> , 2022, 17, .	1.5	9
268	Effects of an electric field on exciton recombination in three-step asymmetric coupled quantum wells. <i>Journal of Applied Physics</i> , 1994, 75, 2105-2109.	1.1	8
269	Coherently strained InAs insertions in GaAs: do they form quantum wires and dots?. <i>Microelectronics Journal</i> , 1995, 26, 861-870.	1.1	8
270	Interface electronic transition observed by optical second-harmonic spectroscopy in $\text{In}_x\text{N}_{1-x}$ GaN/GaAs(001) heterostructures. <i>Physical Review B</i> , 1998, 57, 3722-3725.	1.1	8

#	ARTICLE	IF	CITATIONS
271	Direct comparison of the pressure-induced band-gap shifts in cubic and hexagonal GaN. Journal of Applied Physics, 1998, 84, 2971-2973.	1.1	8
272	Patterning of cubic and hexagonal GaN by Cl ₂ /N ₂ -based reactive ion etching. Applied Physics Letters, 1999, 74, 3471-3473.	1.5	8
273	Structural properties of GaN epilayers directly grown on on-axis 6H-SiC(0001) by plasma-assisted MBE. Journal of Crystal Growth, 1999, 201-202, 407-410.	0.7	8
274	Key issues for the growth of high quality (Al,Ga)N/GaN and GaN/(In,Ga)N heterostructures on SiC(0 0 0) Tj ETQq0 0,0,rgBT /Oyerglock 10	3.1	8
275	Impact of In Bulk and Surface Segregation on the Optical Properties of (In,Ga)N/GaN Multiple Quantum Wells. Physica Status Solidi A, 2002, 192, 5-13.	1.7	8
276	Conductive and crack-free AlN/GaN:Si distributed Bragg reflectors grown on 6H-SiC(0001). Journal of Crystal Growth, 2005, 278, 355-360.	0.7	8
277	Formation of planar defects during the initial growth of M-plane GaN on LiAlO ₂ (100). European Physical Journal Special Topics, 2006, 132, 221-224.	0.2	8
278	GaN/Fe core/shell nanowires for nonvolatile spintronics on Si. Physical Review B, 2011, 83, .	1.1	8
279	X-ray diffraction profiles from axial nanowire heterostructures. Physical Review B, 2011, 83, .	1.1	8
280	Electrical characterization of all-epitaxial Fe/GaN(0001) Schottky tunnel contacts. Applied Physics Letters, 2012, 101, .	1.5	8
281	Quenching of the E ₂ phonon line in the Raman spectra of wurtzite GaAs nanowires caused by the dielectric polarization contrast. Applied Physics Letters, 2013, 103, 043121.	1.5	8
282	Atomistic description of wave function localization effects in In _x Ga _{1-x} N alloys and quantum wells. Proceedings of SPIE, 2015, , .	0.8	8
283	Piezoelectric potential in axial (In,Ga)N/GaN nanowire heterostructures. Nanotechnology, 2016, 27, 165201.	1.3	8
284	Monitoring the formation of GaN nanowires in molecular beam epitaxy by polarization-resolved optical reflectometry. CrystEngComm, 2018, 20, 3202-3206.	1.3	8
285	Electroluminescence and current-voltage measurements of single-(In,Ga)N/GaN-nanowire light-emitting diodes in a nanowire ensemble. Beilstein Journal of Nanotechnology, 2019, 10, 1177-1187.	1.5	8
286	Electron spin dynamics in mesoscopic GaN nanowires. Applied Physics Letters, 2019, 114, 092406.	1.5	8
287	Spectroscopy study of monolayer InAs/GaAs single and multiple quantum wells grown by molecular beam epitaxy. Superlattices and Microstructures, 1991, 9, 147-150.	1.4	7
288	Exciton Luminescence of Single-Crystal GaN. Materials Research Society Symposia Proceedings, 1995, 395, 607.	0.1	7

#	ARTICLE	IF	CITATIONS
289	Response to "Comment on "Shallow donors in GaN studied by electronic Raman scattering in resonance with yellow luminescence transitions" [Appl. Phys. Lett. 70, 909 (1997)]. Applied Physics Letters, 1997, 70, 910-911.	1.5	7
290	Phase Transformations and Phase Stability in Epitaxial Al^{2+} -GaN Films. Angewandte Chemie International Edition in English, 1997, 36, 2111-2112.	4.4	7
291	Morphology of GaN Surfaces and GaN/(Al,Ga)N Interfaces Grown on 6H-SiC(0001) by Reactive Molecular Beam Epitaxy. Physica Status Solidi A, 2000, 180, 73-79.	1.7	7
292	Optimization of the signal-to-noise ratio for photoreflectance spectroscopy. Journal of Applied Physics, 2001, 90, 5081-5085.	1.1	7
293	Narrow-band photodetection based on M^{c} plane GaN films. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1100-1102.	0.8	7
294	Quenching of the luminescence intensity of GaN nanowires under electron beam exposure: impact of C adsorption on the exciton lifetime. Nanotechnology, 2016, 27, 455706.	1.3	7
295	Efficient methodology to correlate structural with optical properties of GaAs nanowires based on scanning electron microscopy. Nanotechnology, 2017, 28, 415703.	1.3	7
296	Crystal-Phase Quantum Wires: One-Dimensional Heterostructures with Atomically Flat Interfaces. Nano Letters, 2018, 18, 247-254.	4.5	7
297	Absence of Quantum-Confined Stark Effect in GaN Quantum Disks Embedded in (Al,Ga)N Nanowires Grown by Molecular Beam Epitaxy. Nano Letters, 2019, 19, 5938-5948.	4.5	7
298	Impact of Outer Shell Structure and Localization Effects on Charge Carrier Dynamics in GaAs/(In,Ga)As Nanowire Core-Shell Quantum Wells. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800527.	1.2	7
299	Synthesis and structural configuration of highly strained InAs films in GaAs. Journal of Crystal Growth, 1991, 115, 99-105.	0.7	6
300	Excitons in strained (Ga,In)Sb/GaSb quantum wells. Physical Review B, 1997, 55, 4503-4505.	1.1	6
301	Relation between photoreflectance excitation and absorption spectra for GaAs and GaN films. Journal of Applied Physics, 2003, 93, 221-225.	1.1	6
302	Structural properties of $\text{In}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ and $\text{Al}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ MQWs studied by XRD. Journal Physics D: Applied Physics, 2003, 36, A192-A197.	1.3	6
303	Combined hydride and metal organic vapor-phase epitaxy of GaN on sapphire. Applied Physics Letters, 2005, 87, 181912.	1.5	6
304	Detection of the optical polarization angle with bandpass characteristics based on M-plane GaN photodetectors. Applied Physics Letters, 2007, 91, 203514.	1.5	6
305	M-plane GaN-based dichroic photodetectors. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 86-89.	0.8	6
306	Long-time evolution of the photoluminescence in C- and M-plane GaN/AlN quantum dots upon intense ultraviolet irradiation. Applied Physics Letters, 2008, 93, 081907.	1.5	6

#	ARTICLE	IF	CITATIONS
307	Rate-equation model of spin dynamics and polarized light emission for spin light-emitting diodes. <i>Physical Review B</i> , 2010, 81, .	1.1	6
308	Uniaxial magnetic anisotropy in epitaxial $\text{In}_{1-x}\text{Fe}_x$ films. <i>Annalen Der Physik</i> , 2014, 526, L1.	0.9	6
309	Minimizing the impact of surface potentials in axial $\text{In}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ nanowire heterostructures by reducing their diameter. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 394007.	1.3	6
310	Individual electron and hole localization in submonolayer InN quantum sheets embedded in GaN. <i>Applied Physics Letters</i> , 2016, 109, 042104.	1.5	6
311	Enhanced Radiative Efficiency in GaN Nanowires Grown on Sputtered TiN: Effects of Surface Electric Fields. <i>ACS Photonics</i> , 2021, 8, 1718-1725.	3.2	6
312	External Control of GaN Band Bending Using Phosphonate Self-Assembled Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4626-4635.	4.0	6
313	Carrier Diffusion in GaN: A Cathodoluminescence Study. II. Ambipolar versus Exciton Diffusion. <i>Physical Review Applied</i> , 2022, 17, .	1.5	6
314	Carrier Diffusion in GaN: A Cathodoluminescence Study. I. Temperature-Dependent Generation Volume. <i>Physical Review Applied</i> , 2022, 17, .	1.5	6
315	Large excitonic nonlinearity in InAs quantum sheets. <i>Applied Physics Letters</i> , 1991, 59, 576-578.	1.5	5
316	Structural and electronic properties of GaAs : C and $\text{Al}_x\text{Ga}_{1-x}\text{As} : \text{C}$ grown by solid-source molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 1993, 127, 724-727.	0.7	5
317	Ga-terminated $\text{In}^2\text{-GaN}(001)$ surface reconstructions studied by scanning tunneling microscopy. <i>Applied Surface Science</i> , 1998, 123-124, 181-186.	3.1	5
318	Optical polarization properties of M-plane GaN films investigated by transmittance anisotropy spectroscopy. <i>Applied Physics Letters</i> , 2007, 91, 251913.	1.5	5
319	Growth of M-plane MnAs on GaAs(111)B by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2008, 92, 101918.	1.5	5
320	Effect of growth temperature on the structural, morphological and magnetic properties of Fe films on GaN(0001). <i>Journal of Crystal Growth</i> , 2011, 323, 359-362.	0.7	5
321	Multi-channel magnetotransport in $\text{Co}_2\text{FeSi}/(\text{Al,Ga})\text{As}$ spin-LEDs. <i>Solid State Communications</i> , 2011, 151, 436-439.	0.9	5
322	Observation of the electron-accumulation layer at the surface of InN by cross-sectional micro-Raman spectroscopy. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	5
323	Broad Band Light Absorption and High Photocurrent of (In,Ga)N Nanowire Photoanodes Resulting from a Radial Stark Effect. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34490-34496.	4.0	5
324	Crystal-phase quantum dots in GaN quantum wires. <i>Physical Review B</i> , 2016, 93, .	1.1	5

#	ARTICLE	IF	CITATIONS
325	Impact of substrate nitridation on the growth of InN on In ₂ O ₃ (111) by plasma-assisted molecular beam epitaxy. Applied Surface Science, 2016, 369, 159-162.	3.1	5
326	Self-Assembled Well-Separated AlN Nanowires Directly on Sputtered Metallic TiN Films. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900615.	1.2	5
327	Low-density band-filling in strained InAs quantum wells. Applied Physics A: Materials Science and Processing, 1993, 56, 109-112.	1.1	4
328	Temperature Dependence of the Photoreflectance Lineshape for GaN Films Grown by Molecular Beam Epitaxy. Physica Status Solidi A, 2000, 180, 381-386.	1.7	4
329	Electronic Band Structure of Strained C- and M-Plane GaN Films Investigated by Polarized Photoreflectance Spectroscopy. Physica Status Solidi (B): Basic Research, 2002, 234, 882-886.	0.7	4
330	Optically induced strain relaxation in anisotropically strained M-plane GaN films. Physica Status Solidi (B): Basic Research, 2008, 245, 913-915.	0.7	4
331	Optically induced relaxation of anisotropically strained M-plane GaN films on LiAlO ₂ . Journal of Applied Physics, 2008, 104, 063507.	1.1	4
332	Electronic properties of axial In _x Ga _{1-x} N insertions in GaN nanowires. Journal of Computational Electronics, 2015, 14, 464-468.	1.3	4
333	Determination of the Sb composition profile in MBE-grown GaSb/GaAs structures by high-resolution X-ray diffractometry. Journal of Crystal Growth, 1993, 127, 503-507.	0.7	3
334	Effect of In segregation on the structural and optical properties of ultrathin InAs films in GaAs. Journal of Crystal Growth, 1993, 127, 513-514.	0.7	3
335	Anharmonicity of the E ₂ (high) and A ₁ (LO) phonons in GaN studied by temperature-dependent Raman spectroscopy. Physica B: Condensed Matter, 2002, 316-317, 162-165.	1.3	3
336	Electrical and optical characterization of M-plane GaN films grown on LiAlO ₂ substrates. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 2548-2551.	0.8	3
337	High-Temperature Ferromagnetism in the Super-Dilute Magnetic Semiconductor GaN:Gd. Topics in Applied Physics, 2010, , 309-342.	0.4	3
338	Radiative and nonradiative decay of excitons in GaN nanowires. Proceedings of SPIE, 2014, , .	0.8	3
339	In-plane sixfold symmetry for Γ_{\pm} -Fe(110) on GaN{0001}: Measurement of the cubic anisotropy constant K_3 . Physical Review B, 2015, 92, .	1.1	3
340	Fine structure of excitons in InAs quantum dots on GaAs(110) planar layers and nanowire facets. Physical Review B, 2017, 96, .	1.1	3
341	Direct Fabrication of III-V Semiconductor Quantum Dots and Quantum Wires by Molecular Beam Epitaxy. Springer Series in Solid-state Sciences, 1992, , 134-142.	0.3	3
342	Structural and Optical Properties of GaN Layers Directly Grown on 6H-SiC(0001) by Plasma-Assisted Molecular Beam Epitaxy. Materials Science Forum, 1998, 264-268, 1235-1238.	0.3	2

#	ARTICLE	IF	CITATIONS
343	Growth and doping of cubic GaN films for optoelectronic devices. , 1998, , .		2
344	Fabrication of device-related GaN/(Al,Ga)N heterostructures on SiC(0001) by reactive MBE. , 0, , .		2
345	Comparative Study of the Electronic Band Structure of StrainedC-plane andM-plane GaN Films by Polarized Photoreflectance Spectroscopy. Physica Status Solidi A, 2002, 192, 72-78.	1.7	2
346	Cathodoluminescence of GaAs/(Al,Ga)As and (In,Ga)N/GaN heterostructures grown by molecular beam epitaxy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 91-92, 329-335.	1.7	2
347	Impact of exciton localization on the optical properties of non-polarM-plane In _{0.1} Ga _{0.9} N/GaN multiple quantum wells. Physica Status Solidi (B): Basic Research, 2003, 240, 360-363.	0.7	2
348	Polarization anisotropy and filtering forM-plane GaN films. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 2704-2707.	0.8	2
349	Photocapacitance characteristics of (In,Ga)N/GaN MQW structures. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 1978-1982.	0.8	2
350	Ferromagnetism in lightly Gd doped GaN: The role of defects. Materials Research Society Symposia Proceedings, 2011, 1290, 1.	0.1	2
351	Carrier Transport in GaAs Nanowires Using Surface Acoustic Waves. Materials Research Society Symposia Proceedings, 2012, 1408, 43.	0.1	2
352	Effects of Ga on the growth of InN on O-face ZnO(0001 \hat{A}) by plasma-assisted molecular beam epitaxy. Applied Physics Letters, 2012, 101, 052103.	1.5	2
353	Excitation polarization anisotropy of the spontaneous emission from an M -plane GaN film: Competition between hole relaxation and exciton recombination. Physical Review B, 2013, 87, .	1.1	2
354	(Al,Ga)O _x Microwire Ensembles on Si Exhibiting Luminescence over the Entire Visible Wavelength Range. Advanced Optical Materials, 2016, 4, 2017-2020.	3.6	2
355	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.	1.3	2
356	Semicoherent growth of single-crystal In_2S_3 layers on InP(111) and InAs(111). CrystEngComm, 2019, 21, 5818-5823.	1.3	2
357	Recombination Dynamics of Near-Bandedge Emission in Cubic GaN. , 1996, , 259-263.		2
358	Cross-sectional shape evolution of GaN nanowires during molecular beam epitaxy growth on Si(111). Nanoscale Advances, 2022, 4, 562-572.	2.2	2
359	Interface Recombination in Ga- and N-Polar GaN/(Al,Ga)N Quantum Wells Grown by Molecular Beam Epitaxy. Physical Review Applied, 2022, 17, .	1.5	2
360	Influence of strain on structural and vibrational properties of (InAs) _m (GaAs) _n strained superlattices grown by molecular beam epitaxy. Applied Surface Science, 1992, 56-58, 610-616.	3.1	1

#	ARTICLE	IF	CITATIONS
361	Growth of [211]-oriented InAs/GaAs heterostructures. Journal of Crystal Growth, 1993, 127, 927-931.	0.7	1
362	Does The 1.25 eV Luminescence of Coherently Strained InGaAs Insertions in GaAs Originate from Quantum Dots?. Materials Research Society Symposia Proceedings, 1995, 417, 199.	0.1	1
363	Are cubic nitrides viable materials for optoelectronic devices?. , 1998, 3279, 38.		1
364	Influence of Internal Polarization Fields on the Disorder Broadening of Excitons in (In,Ga)N/GaN Quantum Wells. Physica Status Solidi (B): Basic Research, 1999, 216, 419-422.	0.7	1
365	Effective Localization of Quantum Well Excitons in InGaN Quantum Well Structures with High InN Mole Fraction. Physica Status Solidi A, 2000, 180, 321-325.	1.7	1
366	Line Shape Analysis of Photoreflectance Excitation Spectra of GaN Films on 6H-SiC(0001). Physica Status Solidi A, 2002, 192, 144-150.	1.7	1
367	Angular dependence of the in-plane polarization anisotropy in the absorption coefficient of strainedM-plane GaN films onLiAlO2. Physica Status Solidi (B): Basic Research, 2003, 240, 293-296.	0.7	1
368	Growth of Nonpolar (1100) Films and Heterostructures by Plasma-Assisted Molecular Beam Epitaxy. Materials Research Society Symposia Proceedings, 2004, 831, 311.	0.1	1
369	Fast time behavior of the polarization filtering in anisotropically strainedM -plane GaN films. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 175-178.	0.8	1
370	Nitride nanowire structures for LED applications. Proceedings of SPIE, 2011, , .	0.8	1
371	Monodisperse (In, Ga)N insertions in catalyst-free-grown GaN(0001) nanowires. Nanotechnology, 2011, 22, 469501.	1.3	1
372	Polarized recombination of acoustically transported carriers in GaAs nanowires. Nanoscale Research Letters, 2012, 7, 247.	3.1	1
373	Hot-Electron Photoluminescence of Para- and Ferromagnetic (Ga,Mn)As Layers. AIP Conference Proceedings, 2007, , .	0.3	1
374	Plasma-assisted molecular beam epitaxy of GaN nanowires on epitaxial single-layer graphene. , 2018, , .		1
375	Drastic Effect of Sequential Deposition Resulting from Flux Directionality on the Luminescence Efficiency of Nanowire Shells. ACS Applied Materials & Interfaces, 2021, 13, 50220-50227.	4.0	1
376	Measurement of the Lateral Periodicity of a Quantum Dot Array by Triple Crystal Diffractometry. Materials Research Society Symposia Proceedings, 1993, 312, 119.	0.1	0
377	Electronic and vibrational Raman scattering in resonance with yellow luminescence transitions in GaN on sapphire substrate. , 1997, , .		0
378	Growth and doping of /spl beta/-GaN and /spl beta/-(In,Ga)N films and heterostructures. , 1997, , .		0

#	ARTICLE	IF	CITATIONS
379	Relation between surface reconstruction transitions and growth kinetics of zincblende (0 0 1) GaN. Journal of Crystal Growth, 1997, 175-176, 134-138.	0.7	0
380	Plasma-assisted molecular beam epitaxial growth and characterization of zincblende (In,Al,Ga)N heterostructures on GaAs(001). , 1998, , .		0
381	Comparative study of the spontaneous and stimulated emission of M- and C-plane GaN/(Al,Ga)N quantum wells. , 2001, 4283, 96.		0
382	Dynamic polarization rotation in pump-and-probe transients of anisotropically strainedM -plane GaN films on LiAlO2. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 1862-1865.	0.8	0
383	Structural, optical, and magnetic properties of (Ga,Mn)As ⁺ AlAs multiple quantum well structures. Journal of Vacuum Science & Technology B, 2007, 25, 1460.	1.3	0
384	Strained M-plane GaN for polarization-sensitive applications. , 2007, , .		0
385	Influence of nanowire template morphology on the coalescence overgrowth of GaN nanowires on Si by molecular beam epitaxy. Proceedings of SPIE, 2012, , .	0.8	0
386	Minimizing the influence of surface potentials in axial In<inf>x</inf>Ga<inf>1−x</inf>N/GaN nanowire heterostructures by reducing their diameter. , 2014, , .		0
387	Simulations of the electronic properties of GaAs polytype superlattices. , 2016, , .		0
388	Heteroepitaxy of Cubic GaN. Journal De Physique III, 1997, 7, 2309-2316.	0.3	0