Uwe Rossow

List of Publications by Year
in descending order

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153	2,780	201575	223716
papers	citations	27 h-index	46 g-index

154	154	154	2138
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Suppression of Nonradiative Recombination by V-Shaped Pits inGaInN/GaNQuantum Wells Produces a Large Increase in the Light Emission Efficiency. Physical Review Letters, 2005, 95, 127402.	2.9	360
2	Surface-Induced Optical Anisotropies of Single-Domain(2Ã—1)Reconstructed (001) Si and Ge Surfaces. Physical Review Letters, 1995, 74, 3431-3434.	2.9	114
3	Composition dependence of polarization fields in GaInN/GaN quantum wells. Applied Physics Letters, 2003, 83, 1169-1171.	1.5	97
4	Origin of the â€œgreen gapâ€• Increasing nonradiative recombination in indiumâ€•rich GaInN/GaN quantum well structures. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2170-2172.	0.8	96
5	Towards understanding the emission efficiency of nitride quantum wells. Physica Status Solidi A, 2004, 201, 2808-2813.	1.7	70
6	Strain-induced defects as nonradiative recombination centers in green-emitting GaInN/GaN quantum well structures. Applied Physics Letters, 2013, 103, .	1.5	69
7	Optimization scheme for the quantum efficiency of GaInN-based green-light-emitting diodes. Applied Physics Letters, 2006, 88, 071105.	1.5	59
8	Emission and recombination characteristics of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Ga</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow><mml:mi mathvariant="normal">In</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:mo>â•</mml:mo><mml:mi mathvariant="normal">Ga</mml:mi><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:m	1.1	59
9	Auger recombination in GaInN/GaN quantum well laser structures. Applied Physics Letters, 2011, 99, .	1.5	57
10	Ultrafast polarization dynamics in biased quantum wells under strong femtosecond optical excitation. Physical Review B, 2003, 68, .	1.1	56
11	Surface-induced optical anisotropy of oxidized, clean, and hydrogenated vicinal Si(001) surfaces. Applied Surface Science, 1996, 107, 35-41.	3.1	49
12	Depth inhomogeneity of porous silicon layers. Journal of Applied Physics, 1996, 80, 2990-2993.	1.1	48
13	Room temperature excitonic recombination in GaInN/GaN quantum wells. Applied Physics Letters, 2013, 103, 202106.	1.5	45
14	Thermal desorption of amorphous arsenic caps from GaAs(100) monitored by reflection anisotropy spectroscopy. Applied Surface Science, 1993, 63, 106-110.	3.1	41
15	Interpretation of surface-induced optical anisotropy of clean, hydrogenated, and oxidized vicinal silicon surfaces investigated by reflectance-difference spectroscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 3070.	1.6	40
16	Defect reduction in GaAs and InP grown on planar Si(111) and on patterned Si(001) substrates. Journal of Crystal Growth, 1994, 145, 314-320.	0.7	39
17	Dielectric function and critical points of the band structure for AlGaN alloys. Physica Status Solidi (B): Basic Research, 2005, 242, 2610-2616.	0.7	38
18	Localized high-energy emissions from the vicinity of defects in high-efficiencyGaxIn1â^’xNâ^•GaNquantum wells. Physical Review B, 2005, 72, .	1.1	37

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19	Measurement of the indium concentration in high indium content InGaN layers by scanning transmission electron microscopy and atom probe tomography. Applied Physics Letters, 2013, 102, 132112.	1.5	36
20	S shape in polar GaInN/GaN quantum wells: Piezoelectric-field-induced blue shift driven by onset of nonradiative recombination. Physical Review B, 2014, 90, .	1.1	35
21	Optimizing the internal quantum efficiency of GaInN SQW structures for green light emitters. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 1966-1969.	0.8	34
22	Phase transition from the cubic to the hexagonal modification in thin CdS films on InP(110). Advanced Materials for Optics and Electronics, 1994, 3, 11-14.	0.5	32
23	Dielectric function and bowing parameters of InGaN alloys. Physica Status Solidi (B): Basic Research, 2012, 249, 485-488.	0.7	31
24	Efficient formation of excitons in a dense electron-hole plasma at room temperature. Physical Review B, 2015, 92, .	1.1	31
25	Depolarization/mixed polarization corrections of ellipsometry spectra. Thin Solid Films, 1998, 313-314, 97-101.	0.8	30
26	Growth and characterization of InGaN by RF-MBE. Journal of Crystal Growth, 2011, 323, 72-75.	0.7	29
27	Correlated terahertz acoustic and electromagnetic emission in dynamically screened InGaN/GaN quantum wells. Physical Review B, 2011, 84, .	1.1	29
28	Investigation of different oxidation processes for porous silicon studied by spectroscopic ellipsometry. Thin Solid Films, 1996, 276, 36-39.	0.8	27
29	Growth mode of ultrathin Sb layers on Si studied by spectroscopic ellipsometry and Raman scattering. Applied Surface Science, 1993, 63, 35-39.	3.1	26
30	Real-time optical monitoring of epitaxial growth: Pulsed chemical beam epitaxy of GaP and InP homoepitaxy and heteroepitaxy on Si. Journal of Electronic Materials, 1995, 24, 1571-1576.	1.0	26
31	Lineshapes of surface induced optical anisotropy spectra measured by RDS/RAS. Applied Surface Science, 1998, 123-124, 237-242.	3.1	26
32	Determination of the polarization discontinuity at the AlGaNâˆ•GaN interface by electroreflectance spectroscopy. Applied Physics Letters, 2005, 86, 181912.	1.5	26
33	Evidence of near-surface localization of excited electronic states in crystalline Si. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1997, 15, 1196.	1.6	25
34	Surface and interface effects on ellipsometric spectra of crystalline Si. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1997, 15, 1205.	1.6	25
35	Reflectance anisotropy spectroscopy of the growth of perylene-3,4,9,10-tetracarboxylic dianhydride on chalcogen passivated GaAs(001) surfaces. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 2077.	1.6	25
36	Highly efficient light emission from stacking faults intersecting nonpolar GaInN quantum wells. Applied Physics Letters, 2011, 99, .	1.5	25

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37	Thin epitaxial films of wide gap IIâ€“VI compounds studied by spectroscopic ellipsometry. Thin Solid Films, 1993, 233, 176-179.	0.8	23
38	Characterisation of porous silicon layers by spectroscopic ellipsometry. Journal of Luminescence, 1993, 57, 205-209.	1.5	23
39	Vibrational properties of arsenic on Si(111). Surface Science, 1991, 251-252, 556-560.	0.8	22
40	Real-time monitoring of heteroepitaxial growth processes on the silicon(001) surface by p-polarized reflectance spectroscopy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1995, 35, 472-478.	1.7	22
41	Anti-localization suppresses non-radiative recombination in GaInN/GaN quantum wells. Philosophical Magazine, 2007, 87, 2041-2065.	0.7	21
42	Atomic scale investigations of ultra-thin GaInN/GaN quantum wells with high indium content. Applied Physics Letters, 2013, 102, 102110.	1.5	21
43	Hydrogen-terminated Si(100) surfaces investigated by reflectance anisotropy spectroscopy. Thin Solid Films, 1993, 233, 19-23.	0.8	20
44	Optical Characterization of Porous Materials. Physica Status Solidi A, 2001, 184, 51-78.	1.7	19
45	Strong enhancement of Eu+3 luminescence in europium-implanted GaN by Si and Mg codoping. Applied Physics Letters, 2013, 102, .	1.5	19
46	Unity quantum efficiency in III-nitride quantum wells at low temperature: Experimental verification by time-resolved photoluminescence. Applied Physics Letters, 2021, 119, .	1.5	19
47	In situ monitoring of heterostructure growth by optical spectroscopies: CdS on InP(110). Applied Surface Science, 1992, 56-58, 684-690.	3.1	18
48	Large optical polarization anisotropy due to anisotropic in-plane strain in m-plane GaInN quantum well structures grown on m-plane 6H-SiC. Applied Physics Letters, 2012, 100, .	1.5	18
49	Analysis of indium incorporation in non- and semipolar GaInN QW structures: comparing x-ray diffraction and optical properties. Semiconductor Science and Technology, 2012, 27, 024013.	1.0	18
50	In situ Raman studies during the epitaxial growth of ZnSe layers on GaAs(110). Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1992, 10, 2066.	1.6	17
51	Xâ€ray composition analysis of nonpolar GaInN/GaN multiple quantum well structures. Physica Status Solidi (B): Basic Research, 2011, 248, 616-621.	0.7	17
52	Radiative and nonradiative recombination mechanisms in nonpolar and semipolar GaInN/GaN quantum wells. Physica Status Solidi (B): Basic Research, 2016, 253, 133-139.	0.7	17
53	Analysis of quantum efficiency of high brightness GaInN/GaN quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 2202-2205.	0.8	16
54	The influence of nanocrystals on the dielectric function of porous silicon. Applied Surface Science, 1993, 63, 57-61.	3.1	15

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55	Reflectance difference spectroscopy spectra of clean (3Ã—2), (2Ã—1), and c(2Ã—2)â€‰3C-SiC(001) surfaces: New evidence for surface state contributions to optical anisotropy spectra. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1998, 16, 2355.	1.6	15
56	Large internal quantum efficiency of In-free UV-emitting GaNâˆ•AlGaN quantum-well structures. Applied Physics Letters, 2006, 88, 191108.	1.5	15
57	Indium incorporation in GaInN/GaN quantum well structures on polar and nonpolar surfaces. Physica Status Solidi (B): Basic Research, 2011, 248, 600-604.	0.7	15
58	In situ optical characterisation with monolayer sensitivity: the As-terminated Si(111) surface. Surface Science, 1993, 287-288, 718-721.	0.8	14
59	Molecular layer epitaxy by real-time optical process monitoring. Applied Surface Science, 1997, 112, 38-47.	3.1	14
60	Photon-induced localization and final-state correlation effects in optically absorbing materials. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1998, 16, 2367.	1.6	14
61	Photon-induced localization in optically absorbing materials. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 253, 93-97.	0.9	14
62	Optical Anisotropy of Organic Layers Deposited on Semiconductor Surfaces. Physica Status Solidi A, 2001, 188, 1307-1317.	1.7	14
63	Optical anisotropy of organic layers on GaAs(001). Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1658.	1.6	14
64	Lattice-matched AlInN in the initial stage of growth. Applied Physics Letters, 2014, 104, .	1.5	14
65	Optical characterization of porous silicon layers formed on heavily p-doped substrates. Applied Surface Science, 1992, 56-58, 6-10.	3.1	13
66	Influence of the formation conditions on the microstructure of porous silicon layers studied by spectroscopic ellipsometry. Thin Solid Films, 1995, 255, 5-8.	0.8	13
67	Systematic differences among nominal reference dielectric function spectra for crystalline Si as determined by spectroscopic ellipsometry. Thin Solid Films, 1998, 313-314, 161-166.	0.8	13
68	Real-time optical monitoring of GaxIn1 âˆ’ xP and GaP heteroepitaxy on Si under pulsed chemical beam conditions. Journal of Crystal Growth, 1996, 164, 34-39.	0.7	11
69	Interpretation of the dielectric function of porous silicon layers. Applied Surface Science, 1996, 102, 413-416.	3.1	10
70	Radiative and Nonradiative Recombination Times in Optically Excited GaInN/GaN Quantum Wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 324-328.	0.8	10
71	High quality, high efficiency and ultrahigh In-content InGaN QWs â€“ the problem of thermal stability. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 1662-1664.	0.8	10
72	Effects of spontaneous polarization on GaInN/GaN quantum well structures. Journal of Applied Physics, 2011, 109, 123710.	1.1	10

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73	Quality of molecular-beam-epitaxy-grown GaAs on Si(100) studied by ellipsometry. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1990, 5, 309-312.	1.7	9
74	Optical investigations of surface processes in GaP heteroepitaxy on silicon under pulsed chemical beam epitaxy conditions. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 3040.	1.6	9
75	Mechanism of thermal degradation in GaInN/GaN quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S594-S597.	0.8	9
76	Ellipsometric characterization of InP-based quantum well structures. Thin Solid Films, 1993, 233, 180-184.	0.8	8
77	Porous silicon layers as a model system for nanostructures. Applied Surface Science, 1996, 104-105, 552-556.	3.1	8
78	In situ photoemission and reflectance anisotropy spectroscopy studies of CdS grown on InP(001). Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1997, 15, 1260.	1.6	8
79	Narrow high-energy emission lines in high-resolution near-field spectroscopy on GaInN/GaN quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 2520-2523.	0.8	8
80	Stark shift of interband transitions in AlNâˆ•GaN superlattices. Applied Physics Letters, 2007, 90, 241906.	1.5	8
81	Dislocation screening and strongly increased internal quantum efficiency in heteroepitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>GaN</mml:mtext><mml:mo>/</mml:mo><mml:msub><mml:mrow><mml:mtext>Al</mml:m Physical Review B, 2009, 79, .	1.1	8
82	Ultrafast Terahertz Nanoseismology of GaInN/GaN Multiple Quantum Wells. Advanced Optical Materials, 2021, 9, 2100258.	3.6	8
83	Degradation of Porous Si Layers Caused by Thermal Treatment. Materials Research Society Symposia Proceedings, 1992, 283, 281.	0.1	7
84	Analysis of Strain in GaN on Al₂O₃ and 6H-SiC: Near-Bandedge Phenomena. Materials Research Society Symposia Proceedings, 1995, 395, 405.	0.1	7
85	Interpretation of critical point energy shifts in crystalline Si by near-surface localization of excited electronic states. Thin Solid Films, 1998, 313-314, 557-560.	0.8	7
86	Coherence Effects and Time Dependences of the Optical Response of Surfaces and Interfaces of Optically Absorbing Materials. Physica Status Solidi (B): Basic Research, 2000, 220, 709-715.	0.7	7
87	Reflectance difference spectroscopy RDS/RAS combined with spectroscopic ellipsometry for a quantitative analysis of optically anisotropic materials. Physica Status Solidi (B): Basic Research, 2005, 242, 2617-2626.	0.7	7
88	Strain dependence of In incorporation in m-oriented GaInN/GaN multi quantum well structures. Applied Physics Letters, 2016, 108, 102105.	1.5	7
89	Nonâ€•and semipolar AlInN oneâ€•dimensionally latticeâ€•matched to GaN for realization of relaxed buffer layers for strain engineering in optically active GaNâ€•based devices. Physica Status Solidi (B): Basic Research, 2016, 253, 84-92.	0.7	7
90	Internal quantum efficiency of nitride light emitters: a critical perspective. , 2018, , .		7

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91	Growth mode and interface formation of Sb on GaAs(100). Surface Science, 1994, 307-309, 597-602.	0.8	6
92	Real-time optical monitoring of heteroepitaxial growth processes on Si under pulsed chemical beam epitaxy conditions. Applied Surface Science, 1996, 102, 47-51.	3.1	6
93	Hydrogenated and oxidized vicinal Si(001) surfaces investigated by reflectance-difference spectroscopy. Applied Surface Science, 1996, 104-105, 137-140.	3.1	6
94	Influence of low-temperature interlayers on strain and defect density of epitaxial GaN layers. Journal of Crystal Growth, 2003, 248, 528-532.	0.7	6
95	Growth of QW structures with high indium concentration on -plane and -plane surfaces by MOVPE. Journal of Crystal Growth, 2008, 310, 4987-4991.	0.7	6
96	Spontaneous polarization field in polar and nonpolar GaInN/GaN quantum well structures. Physica Status Solidi (B): Basic Research, 2011, 248, 627-631.	0.7	6
97	Nonradiative recombination due to point defects in GaInN/GaN quantum wells induced by Ar implantation. Proceedings of SPIE, 2013, , .	0.8	6
98	Indium incorporation processes investigated by pulsed and continuous growth of ultrathin InGaN quantum wells. Journal of Crystal Growth, 2015, 414, 49-55.	0.7	6
99	Control of optical polarization properties by manipulation of anisotropic strain in nonpolar m-plane GaInN/GaN quantum wells. Applied Physics Letters, 2019, 114, .	1.5	6
100	Reduced nonradiative recombination in semipolar green-emitting III-N quantum wells with strain-reducing AlInN buffer layers. Applied Physics Letters, 2019, 115, 202103.	1.5	6
101	Low-temperature internal quantum efficiency of GaInN/GaN quantum wells under steady-state conditions. Semiconductor Science and Technology, 2022, 37, 035017.	1.0	6
102	Linear Optical Properties of Si Surfaces and Nanostructures. Physica Status Solidi (B): Basic Research, 1999, 215, 725-729.	0.7	5
103	Growth of AlxGa1â^'xN-layers on planar and patterned substrates. Journal of Crystal Growth, 2004, 272, 506-514.	0.7	5
104	Double-Pulsed Growth of InN by RF-MBE. Journal of Electronic Materials, 2013, 42, 849-853.	1.0	5
105	Intentional anisotropic strain relaxation in (112Â¯2) oriented Al1â^'xInxN one-dimensionally lattice matched to GaN. Applied Physics Letters, 2014, 105, 122109.	1.5	5
106	Plasma-etched and sputtered GaAs(100) surfaces investigated by ellipsometry and Raman spectroscopy. Journal of Physics Condensed Matter, 1989, 1, SB231-SB233.	0.7	4
107	Characterization of AlxGa1?xN-Compound Layers by Reflectance Difference Spectroscopy. Physica Status Solidi A, 2000, 177, 157-164.	1.7	4
108	Indium incorporation into InGaN: The role of the adlayer. Journal of Crystal Growth, 2017, 464, 112-118.	0.7	4

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109	Radiative recombination in polar, non-polar, and semi-polar III-nitride quantum wells. Proceedings of SPIE, 2017, , .	0.8	4
110	Many-Body and Correlation Effects in Surface and Interface Spectra of Optically Absorbing Materials. Physica Status Solidi A, 1998, 170, 199-210.	1.7	3
111	Hydrogen On Semiconductor Surfaces. Materials Research Society Symposia Proceedings, 1998, 513, 3.	0.1	3
112	Reflectance Difference Spectroscopy Characterization of AlxGa1â€”xN-Compound Layers. Physica Status Solidi (B): Basic Research, 1999, 216, 215-220.	0.7	3
113	High resolution near-field spectroscopy investigation of tilted InGaN quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 2674-2677.	0.8	3
114	Growth of AlxGa1â^'xN and GaN on photo-electrochemically patterned SiC substrates. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 2072-2076.	0.8	3
115	Towards green lasing: ingredients for a green laser diode based on GaInN. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S792.	0.8	3
116	Imposed layer-by-layer growth of ZnO on GaN/sapphire substrates using pulsed laser interval deposition. Thin Solid Films, 2011, 519, 7683-7685.	0.8	3
117	Growth of the active zone in nitride based long wavelength laser structures. Journal of Crystal Growth, 2011, 315, 250-253.	0.7	3
118	A Brief History of Ellipsometry. Physica Status Solidi (B): Basic Research, 2019, 256, 1800307.	0.7	3
119	Contribution of the Nanocrystallites and Their Interfaces to the Optical Response of Porous Silicon Layers. Materials Research Society Symposia Proceedings, 1994, 358, 429.	0.1	2
120	Towards a Microscopic Interpretation of the Dielectric Function of Porous Silicon. Materials Research Society Symposia Proceedings, 1995, 405, 209.	0.1	2
121	In-Plane Optical Anisotropies of AlxGa1-xN films in their Regions of Transparency. Materials Research Society Symposia Proceedings, 1996, 449, 835.	0.1	2
122	Interpretation of reflectance anisotropy spectroscopy spectra of ZnSe(001) grown on GaAs(001) in terms of bulk, interface, and surface contributions. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1998, 16, 2350.	1.6	2
123	Correlation between Emission Spectra and Defect Position in InGaN-Based Light Emitting Devices. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 537-541.	0.8	2
124	Critical points of the bandstructure of AlN/GaN superlattices investigated by spectroscopic ellipsometry and modulation spectroscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 2009-2013.	0.8	2
125	Aluminum incorporation in -layers and implications for growth optimization. Journal of Crystal Growth, 2007, 298, 361-366.	0.7	2
126	Comparison of GaInN laser structures grown on different substrates. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 2277-2279.	0.8	2

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127	Optimizing the growth process of the active zone in GaN based laser structures for the long wavelength region. Journal of Crystal Growth, 2013, 370, 105-108.	0.7	2
128	Efficiency droop in nitride LEDs revisited: impact of excitonic recombination processes. , 2015, , .		2
129	Growth kinetics and island evolution during double-pulsed molecular beam epitaxy of InN. Journal of Applied Physics, 2016, 119, 235308.	1.1	2
130	Reduced radiative emission for wide nonpolar III-nitride quantum wells. Physical Review B, 2019, 99, .	1.1	2
131	Microscopic analysis of interface composition dynamics in m-plane AlInN. Japanese Journal of Applied Physics, 2019, 58, SC1008.	0.8	2
132	In-Situ and Ex-Situ Studies of Silicon Interfaces and Nanostructures by Ellipsometry and Rds. Materials Research Society Symposia Proceedings, 1995, 406, 371.	0.1	1
133	Structural and optical properties of nitrided silicon oxide layers rapid thermally grown in a pure N2O ambient. Journal of Non-Crystalline Solids, 1995, 187, 380-384.	1.5	1
134	Multilevel Approaches Toward Monitoring and Control of Semiconductor Epitaxy. Materials Research Society Symposia Proceedings, 1996, 448, 451.	0.1	1
135	Lateral growth of AlxGa1â€“xN and GaN on SiC substrates patterned by photo-electrochemical etching. Materials Research Society Symposia Proceedings, 2002, 743, L1.9.1.	0.1	1
136	Recombination Mechanism in Short-Wavelength GaN/AlGaN Quantum Wells. Materials Research Society Symposia Proceedings, 2004, 831, 558.	0.1	1
137	Vertically Increasing Well Thickness and In Content in GaInN MQW's due to V-shaped Pits. Materials Research Society Symposia Proceedings, 2006, 955, 1.	0.1	1
138	Experimental Analysis of the Spontaneous Polarization Field in GaN by UHV-cathodoluminescence. Materials Research Society Symposia Proceedings, 2006, 955, 1.	0.1	1
139	Scanning nearâ€field luminescence microscopy of green light emitting GaInN/GaN quantum wells grown on câ€plane sapphire and on câ€plane bulk GaN. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1556-1559.	0.8	1
140	Measuring composition in InGaN from HAADF-STEM images and studying the temperature dependence of Z-contrast. Journal of Physics: Conference Series, 2013, 471, 012009.	0.3	1
141	Pyramid Formation by Etching of InxGa1â^'xN/GaN Quantum Well Structures Grown on Nâ€face GaN for Nanooptical Light Emitters. Physica Status Solidi (B): Basic Research, 2021, 258, 2100085.	0.7	1
142	Assessment of Surface Damage of Gallium Arsenide due to Reactive Ion Etching. Materials Research Society Symposia Proceedings, 1990, 190, 255.	0.1	0
143	Real-time Optical Monitoring of GaxIn1â^'xP/GaP Heterostructures on Silicon. Materials Research Society Symposia Proceedings, 1995, 406, 127.	0.1	0
144	3C SiC(001) surface structure studied by angular resolved photoelectron spectroscopy and reflectance anisotropy spectroscopy. Diamond and Related Materials, 1999, 8, 331-334.	1.8	0

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145	Optimization of GaN/AlGaN Quantum Wells for Ultraviolet Emitters. Materials Research Society Symposia Proceedings, 2003, 798, 430.	0.1	0
146	Ultrafast polarization dynamics in optically excited biased quantum wells. , 2004, 5354, 151.		0
147	Specific emission characteristics of high-quantum-efficiency GaInN/GaN heterostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 2712-2715.	0.8	0
148	Investigations of deep lying wide bandgap GaN and InGaN quantum well structures: A challenge for ellipsometric methods. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 1378-1381.	0.8	0
149	Recombination of free excitons in polar and nonpolar nitride quantum wells. Journal of Physics: Conference Series, 2010, 210, 012056.	0.3	0
150	Transient THz photoconductivity in dynamically screened InGaN/GaN quantum wells. , 2013, , .		0
151	The influence of nanocrystals on the dielectric function of porous silicon. , 1993, , 57-61.		0
152	Growth mode of ultrathin Sb layers on Si studied by spectroscopic ellipsometry and Raman scattering. , 1993, , 35-39.		0
153	Spectroscopic Ellipsometry. , 1995, , 39-76.		0