

Cambridge University Press

978-1-558-99372-3 - Gallium Nitride and Related Materials II: Symposium held April 1-4, 1997,
San Francisco, California, U.S.A.

C.R. Abernathy, H. Amano and J.C. Zolper

Index

[More information](#)

AUTHOR INDEX

- Abare, A., 481
 Abernathy, C.R., 123, 161, 379,
 385, 393, 413
 Adesida, I., 349
 Akasaki, I., 237, 287
 Albrecht, M., 179, 293
 Alexandrov, S.E., 57
 Amano, H., 237, 287
 Ambacher, O., 237, 305
 Andenet, A., 23, 173, 243
 Anderson, Timothy J., 167
 Angerer, H., 305
 Angus, John C., 149
 Argoitia, Alberto, 149
 As, D.J., 225
 Aulombard, R.L., 23, 173, 243
 Azuhata, T., 445

 Baca, A.G., 413
 Bachem, K.H., 213
 Bak-Misiuk, J., 311
 Barratt, C., 393
 Beccard, R., 7
 Bedair, S.M., 13
 Behbehani, M.K., 13
 Behr, D., 213
 Bellotti, E., 457
 Bergmaier, A., 305
 Beye, R., 269
 Bhusari, D.M., 31
 Biefeld, R.M., 401
 Bisaro, R., 173
 Bishop, S.G., 131
 Born, E., 305
 Botchkarev, Andrei, 3, 219
 Bour, D.P., 117
 Bozack, M.J., 475
 Bremser, M.D., 293, 407
 Brennan, K.F., 457
 Briggs, R.D., 355
 Briot, O., 23, 173, 243
 Broser, I., 237
 Bulman, G.E., 349, 431

 Chae, Suhee, 427
 Chal, B., 161
 Chen, C.K., 31
 Chen, K.H., 31
 Chen, L.C., 31
 Chen, P., 469
 Chen, Y.F., 31
 Chen, Y.K., 385
 Chen, Z.Z., 469
 Chichibu, S., 445
 Choopun, S., 99
 Chow, P.P., 51

 Chow, W.W., 487
 Christiansen, S., 293
 Clark-Phelps, Robert, 183, 275, 281
 Clur, S., 23, 173, 243
 Coffey, J.L., 39
 Coleman, J.J., 131
 Constantine, C., 393
 Crosswell, D.R., 51
 Cutler, P.H., 463

 Dalmer, M., 407
 Dapkus, P.D., 187
 Davis, R.F., 293, 407
 Deicher, M., 407
 DeLucca, J.M., 431
 Demangeot, J.F., 23
 Demchuk, A., 45
 DenBaars, S.P., 481
 Denecke, R., 263
 Dieker, C., 287
 Dmitriev, V.A., 143
 Dollinger, G., 305
 Domagala, J., 311
 Donovan, S.M., 123, 161, 385, 393
 Downes, M.J., 99
 Drabold, D.A., 111
 Drezhuk, A.G., 137
 Drory, M.D., 201
 Duan, Shukun, 81, 207
 Duboz, J-Y., 173
 Durand, O., 173
 Dyck, Jeffrey S., 149

 Ebeling, K.J., 293
 Eckey, L., 237
 El-Masry, N.A., 13
 Erickson, Jon W., 183, 275, 281

 Fadley, C.S., 263
 Fountain, G.G., 437
 Frandon, J., 23

 Gao, Y., 183, 275, 281
 George, T., 269
 Gichuhl, A., 475
 Gil, B., 23, 173, 243
 Girmdt, A., 487
 Gladfelter, W.L., 39
 Goñi, A.R., 225
 Götz, W., 117

 Hofsäss, H., 407
 Hagerott-Crawford, M., 413
 Haller, E.E., 117, 263
 Han, J., 355, 401
 Han, Peide, 207

Cambridge University Press

978-1-558-99372-3 - Gallium Nitride and Related Materials II: Symposium held April 1-4, 1997,
San Francisco, California, U.S.A.

C.R. Abernathy, H. Amano and J.C. Zolper

Index

[More information](#)

- Hasegawa, F., 63
 Hashimoto, T., 69
 Hayman, Cliff C., 149
 Hersee, S.D., 421
 Heuken, M., 7
 Hickman, II, R., 51
 Hoffmann, A., 237
 Holloway, Paul H., 161, 167
 Holst, J., 237
 Hömmerich, U., 123
 Hong, J., 379
 Höppler, R., 305
 Horino, K., 445
 Huang, C., 275, 281
 Huang, Y.S., 31
 Humphreys, T.P., 437

 Imafuji, O., 69
 Ishida, M., 69
 Ishii, Takao, 155
 Itoh, K., 69
 Ivantsov, V.A., 143

 Jahnke, F., 487
 Janik, J.F., 39
 Johnson, M.A., 39
 Johnson, N.M., 117
 Jones, K.A., 99, 413
 Jones, Kevin S., 167
 Jong, Y.C., 31
 Joshkin, V.A., 13
 Jürgensen, H., 7

 Kamp, M., 293
 Karlicek, Jr., R.J., 401
 Kash, Kathleen, 149
 Katayama-Yoshida, H., 105
 Katz, A., 331, 393
 Kaufmann, U., 213
 Keller, S., 481
 Khim, Jinseok, 427
 Killeen, K.P., 355
 Kim, Hyeon-Soo, 367, 373
 Kim, S., 131
 Kim, Tae-II, 367, 373, 427
 Kim, Taek, 427
 Kim, Wook, 3, 183, 219
 Kim, Yihwan, 75, 299
 King, D.J., 421
 Kirchhoff, J., 275
 Kisielowski, Christian, 75, 299
 Klaassen, J.J., 51
 Klockenbrink, Ralf, 75, 299
 Kobayashi, J.T., 187
 Kobayashi, N.P., 187
 Koch, S.W., 487
 Koike, M., 287
 Kolbas, R.M., 13
 Kolnik, J., 457
 Koplitz, B., 45

 Koyama, Seichi, 93
 Kozodoy, P., 481
 Krishnankutty, S., 13
 Krüger, Joachim, 75, 299
 Kryliouk, Olga M., 167
 Kuramata, A., 445
 Kuroda, Kazuyuki, 93
 Kutzer, V., 237

 Lareau, R.T., 99
 Le Vaillant, Y.-M., 23, 173, 243
 Lee, J.W., 355, 379, 385, 393
 Lee, Jae-Won, 367, 373
 Lee, Y.H., 367
 Lee, Y.J., 367
 Lerner, P.B., 463
 Lester, L.F., 421
 Leszczyński, M., 311
 Leung, M.S.H., 75
 Li, C.F., 31
 Li, Jing-Hong, 167
 Li, X., 131
 Li, Y.X., 99
 Li, Yenran, 207
 Liesegang, J., 263
 Liliental-Weber, Z., 287
 Lin, D.Y., 31
 Lin, S., 13
 Lothian, J.R., 385
 Lovejoy, M.L., 413
 Lu, Dacheng, 81, 207
 Ludowise, M.J., 355
 Luther, Brian P., 431, 495

 Mack, M., 481
 MacKenzie, J.D., 123, 161, 379, 385,
 393, 413
 Malta, D.P., 437
 Markunas, R.J., 437
 Mayer, M., 293
 McCluskey, M.D., 117
 McIntosh, F.G., 13
 Metzger, T., 305
 Mishra, U.K., 481
 Miskovsky, N.M., 463
 Mitha, Salman, 183, 275, 281
 Miyazawa, Shintaro, 155
 Mohny, Suzanne E., 431, 495
 Morais, J., 263
 Mori, Y., 87
 Morkoc, Hadis, 3, 183, 219,
 317, 323

 Nakamura, S., 445
 Neff, H., 57
 Niebuhr, R., 193, 213
 Nouet, G., 317, 323

 Obloh, H., 193, 213
 Ogawa, T., 87

Cambridge University Press

978-1-558-99372-3 - Gallium Nitride and Related Materials II: Symposium held April 1-4, 1997,
San Francisco, California, U.S.A.

C.R. Abernathy, H. Amano and J.C. Zolper

Index

[More information](#)

- Oguzman, I.H., 457
 Okamoto, M., 87
 Olivier, J., 173

 Park, Hyong-Soo, 373
 Park, Yong-Jo, 373
 Pearton, S.J., 123, 161, 331, 355,
 379, 385, 393, 401, 413
 Pelzmann, A., 293
 Pettenkofer, C., 437
 Piner, E.L., 13
 Polley, C., 51
 Popovici, Galina, 3, 219
 Porter, J., 45
 Posthill, J.B., 437
 Potin, V., 323
 Poyakov, A.Y., 393

 Ramer, J.C., 421
 Rebane, Y.T., 179, 293
 Redwing, J.M., 431
 Ren, F., 123, 161, 331, 379, 385, 413
 Renucci, M., 23
 Restle, M., 407
 Rhee, S.J., 131
 Rich, D.H., 187
 Ridley, B.K., 231
 Roberts, J.C., 13
 Ronning, C., 407
 Rouvière, J.L., 23
 Rubin, Michael, 75, 299
 Ruden, P.P., 457
 Ruterana, P., 317, 323
 Ruvimov, S., 287

 Salamanca-Riba, L.G., 99
 Salvador, A., 219, 317, 323
 Salviati, G., 293
 Sasaki, T., 87
 Schikora, D., 225
 Schmitz, D., 7
 Schön, O., 7
 Schöttker, B., 225
 Sciortino, Jr., P.F., 379
 Seelmann-Eggebert, M., 193
 Semchinova, O.K., 57
 Shannon, C.G., 475
 Sharma, R.P., 99
 Shen, B., 469
 Sheng, Jack, 281
 Shi, H.T., 469
 Shin, M., 393
 Shirafuji, J., 69
 Shmagin, I., 13
 Shreter, Y.G., 179, 293
 Shul, R.J., 331, 355, 393, 413
 Sidorov, D.V., 137
 Sidorov, V.G., 137
 Siegle, H., 225
 Sink, R.K., 481

 Skowronski, M., 393
 Solomon, James, 3
 Sota, T., 445
 Stall, R.A., 401
 Steffey, B.D., 39
 Steigerwald, D., 481
 Strange, R., 219
 Strunk, H.P., 293
 Stumm, Petra, 111
 Stutzmann, M., 237, 305
 Sudhir, G.S., 75, 299
 Suemasu, T., 63
 Sugahara, Yoshiyuki, 93
 Sugino, T., 69
 Sukhoveev, V.A., 143
 Sunaba, K., 63
 Suski, T., 311
 Suzuki, M., 251
 Syassen, K., 225

 Takayama, T., 69
 Talyansky, V., 99
 Tan, H.H., 401
 Tang, Haipeng, 3, 219
 Tazoh, Yasuo, 155
 Teh, C.K., 475
 Teng, Xuegong, 207
 Terakoshi, Y., 69
 Thaik, M., 123
 Thomsen, C., 225
 Tin, C.C., 475
 Tsuchiya, H., 63
 Turnbull, D.A., 131

 Uenoyama, T., 251
 Uffmann, D., 57
 Ulrich, C., 225

 Van Hove, J.M., 51
 Van Deusen, S.B., 401
 Vartuli, C.B., 355, 385, 393, 413
 Venkatesan, T., 99
 Venugopalan, Hari S., 431, 495
 Vermaut, P., 317
 Vispute, R.D., 99

 Wachtendorf, B., 7, 193
 Wagner, J., 213
 Waltemyer, Debra L., 495
 Wampler, W.R., 401
 Wang, L., 13
 Wang, Long, 149
 Wang, R., 457
 Wang, Yutian, 207
 Washburn, J., 287
 Weber, Eicke R., 75, 299
 Wei, S.L., 31
 Wells, R.L., 39
 Wetzels, C., 263
 White, J.O., 219

Cambridge University Press

978-1-558-99372-3 - Gallium Nitride and Related Materials II: Symposium held April 1-4, 1997,
San Francisco, California, U.S.A.

C.R. Abernathy, H. Amano and J.C. Zolper

Index

[More information](#)

Williams, J.S., 401

Wilson, R.G., 123, 385

Woelk, E., 7

Wolter, Scott D., 431, 495

Wood, M.C., 99

Wowchak, A.M., 51

Wright, A.F., 487

Wu, X., 123

Xu, G.Y., 219

Yagi, T., 445

Yamaguchi, M., 445

Yamamoto, T., 105

Yang, K., 469

Yeom, Geun-Yong, 367, 373

Yonemura, S., 65

Yoo, Myong-Cheol, 367, 373

Yoshikawa, A., 69

Youtsey, C., 349

Yuri, M., 69

Zaitsev, M.V., 137

Zanotti-Fregonara, C., 293

Zavada, J.M., 123, 161

Zhang, L., 421

Zhang, R., 469

Zhang, X., 187

Zheng, Y.D., 469

Zimmermann, H., 193

Zolper, J.C., 331, 401, 413

Cambridge University Press

978-1-558-99372-3 - Gallium Nitride and Related Materials II: Symposium held April 1-4, 1997, San Francisco, California, U.S.A.

C.R. Abernathy, H. Amano and J.C. Zolper

Index

[More information](#)

SUBJECT INDEX

- AlGaIn, 23, 237, 275, 281, 305
 AlN, 87, 111, 269, 317, 393, 437, 475
 aluminum nitride, 437
 annealing, 407
- band structure, 105, 231, 251, 445, 487
 biexciton, 237
 bismuth, 75
 buffer layers, 69, 161, 187
- carbon nitride, 31
 cathodoluminescence, 51, 87, 187, 207, 293
 clusters, 45
 contacts, 331, 421, 427
 CVD, 57, 93
- defects, 155, 179, 183, 269, 287, 407
 detectors, 51
 device processing, 331, 385
 doping, 7, 105, 111, 123, 131, 137, 281, 299
- electroluminescence, 469
 electron
 diffraction, 317
 field emission, 437
 erbium, 123, 131
 etching
 chemically assisted ion beam, 373, 427
 dry, 355, 367, 373, 379, 393
 photoelectrochemical, 349
 wet, 331
 excitons, 179, 243, 293
- field-effect transistors, 385
 fracture, 201
- gain, 487
 GaN, 3
 bulk, 143, 149
 cubic, 63
 gratings, 379
 Grüneisen parameters, 225
- hardness, 201
 heterostructures, 13, 213, 469
 high electric fields, 75, 457, 463
 holographic lithography, 379
 HVPE, 63
- impact ionization, 457
 impurities, 3, 281
 InAlN, 393
 InGaIn, 13, 57, 275, 281, 393, 481
- InN, 149, 161
 inversion domains, 323
 ion implantation, 401, 407
 ionization levels, 331
- laser(s), 487
 assisted growth, 45, 87, 99
 lattice parameters, 311
 LEDs, 281, 469, 481
 LiAlO₂, 161
 LiGaO₂, 155, 167
- Madlung energy, 105
 MBE, 51, 75, 495
 mechanical properties, 201
 metal-insulator-semiconductor, 475
 MOCVD, 7, 13, 23, 81, 167, 187, 193, 207, 427, 475, 481
 molecular dynamics, 111, 463
 MOMBE, 123, 385
- nanocrystals, 39
 negative electron affinity (NEA), 437
 nitridation, 69, 161, 193
- optical gain, 237, 251
 oxygen, 137
- phase diagram, 81
 phonons, 231
 photoluminescence, 7, 39, 63, 123, 131, 237, 293, 299
- plasma
 cleaning, 193
 damage, 385
 ECR, 355
 electron-hole, 237
 ICP, 355, 367, 393
 RF, 51, 305
- precursors, 39, 45, 93
 pulsed laser deposition, 87, 99
- quantum wells, 213, 251, 275, 293, 299, 481
- Raman, 23, 213, 225
 RBS, 275
 RF plasma, 51
- Si, 269
 SiC, 3, 287, 317, 475
 SiCN, 31
 SIMS, 3, 183, 275, 281
 solar cells, 57

Cambridge University Press
978-1-558-99372-3 - Gallium Nitride and Related Materials II: Symposium held April 1-4, 1997,
San Francisco, California, U.S.A.
C.R. Abernathy, H. Amano and J.C. Zolper
Index
[More information](#)

spinel, 207	uv photoelectron spectroscopy, 437
stacking faults, 179, 293	
strain, 75, 219, 243, 299, 445	X-ray
surface roughness, 275	diffraction, 305
surfactant, 75	photoelectron diffraction, 193, 263
TEM, 167, 287, 293, 317, 323	
transport, 463	zinc, 137
	ZnO, 3