

AUTHOR INDEX

- Adachi, Yutaka, 133
 Adedeji, A.V., 245
 Aguirre-Tostado, Francisco S., 299
 Ahern, Renee E., 271
 Ahyi, A.C., 245
 Akaiwa, Kazuaki, 147, 221
 Albargi, Hasan B., 115
 Alvarez, Dan, 209
 Andraca, J.A., 25
 Aoyagi, Takuya, 215
 Araki, Takumi, 51
 Armatas, Gerasimos S., 315
 Armstrong, K., 265
 Arora, Kashima, 43

 Baca, R., 25
 Bae, In-Tae, 37
 Baker, T.L., 245
 Bando, H., 227
 Batra, Neha, 327
 Becker, Martin, 153
 Beckhoff, B., 65
 Belova, L., 115
 Bernussi, A.A., 239
 Billard, A., 31
 Bluet, Jean-Marie, 13
 Borysiewicz, Michał A., 71
 Brunet, M., 265

 Cai, B., 77
 Carius, Reinhard, 333
 Chamberlin, Matthew, 271
 Chang, Kee-Chul, 259
 Chang, Shang-Chou, 91, 99
 Cheng, Jinrong, 253
 Chiba, Masafumi, 197
 Constantin, Costel, 271
 Czerner, Michael, 57

 Demaree, John D., 351
 Denecke, Reinhard, 111
 Dinh, T.M., 265

 Dixit, Samwad, 37
 Dudley, Michael, 121
 Dynowska, Elżbieta, 71

 Einishi, H., 291
 Ekielski, Marek, 71
 Elliman, Robert G., 191
 Endo, Daisuke, 197

 Fan, J.C., 115
 Fan, Z., 239
 Faraoun, H.I., 31
 Feili, Davar, 153
 Fenineche, N., 31
 Flohre, Jan, 333
 Franz, Christian, 57
 Freeman, M., 77
 Fujieda, Tadashi, 215
 Fujita, Shizuo, 147, 221
 Funakubo, H., 291

 Galtier, Pierre, 13
 Galván, M., 25
 Gaudet, J., 265
 Gehring, Gillian A., 115
 Giar, Marcel, 57
 Gnade, Bruce E., 299
 Gołaszewska, Krystyna, 71
 Grundmann, Marius, 111
 Guay, D., 265
 Gumprecht, T., 65
 Gupta, Vinay, 43, 233, 327
 Gutierrez-Heredia, Gerardo, 299

 Han, Songwei, 253
 Hanawa, T., 227
 Hanèche, Nadia, 13
 Haneda, Hajime, 133
 Harrison, N.M., 339
 Haruta, Kenichi, 197
 Hasegawa, T., 291
 Heiliger, Christian, 57

- Heinemann, Markus, 57
 Heinlein, Ed, 209
 Heljo, Petri, 159
 Hernandez-Como, Norberto, 299
 Holmes, Russell J., 209
 Holtz, M., 239
 Hopper, E. Mitchell, 259
 Horng, Chia-Tsung, 105
 Huang, Wen-Chang, 91, 99, 105
 Huang, Wen-Feng, 99
- Ikejiri, Kenjiro, 215
 Ingram, Brian J., 259
 Isaacs-Smith, T., 245
 Ishikawa, M., 291
 Ishizaki, Hiroki, 83
 Ito, Seishiro, 83
 Iwata, Jun-ichi, 51
- Jiang, Dan, 253
 Jiang, Xiaoqiang, 179
- Kamińska, Eliana, 71
 Kaneko, Kentaro, 147, 221
 Kaneko, Satoru, 215
 Kato, Takahiro, 127
 Katsumata, Hiroshi, 51
 Kikuchi, N., 227
 Kimura, Hideki, 197
 Kitaoka, T., 345
 Kiyota, Hideo, 197
 Köhler, Florian, 333
 Kolkovskiy, Valery, 71
 Koyama, Koji, 215
 Kraya, Laura Y., 311
 Kraya, Ramsey, 311
 Kumara, G.R.A., 345
 Kurosawa, M., 291
 Kuryatkov, V.V., 239
- Lardjane, S., 31
 Leidinger, Christine, 333
 Lin, Tien-Chai, 91, 99, 105
 Liu, Chin-Hung, 91
 Lorenz, Michael, 111
- Lupo, Donald, 159
 Lusson, Alain, 13
 Lykakis, Ioannis N., 315
- Mahadeva, Sreekanth K., 115
 Mallia, G., 339
 Martinez-Landeros, Victor H., 299
 Masenelli, Bruno, 13
 Matsuda, Akifumi, 215
 Matsuo, Takuya, 19
 McCluskey, Matthew D., 3
 McMaster, M., 77
 Meftah, Abdel, 13
 Mejia, Israel, 299
 Méndez, J.V., 25
 Merad, G., 31
 Meyer, Bruno K., 153, 165
 Mundle, R., 245
 Muth, John F., 171, 321
- Nagatomi, Eichi, 127
 Naito, Takashi, 215
 Nakao, M., 345
 Nakarmi, M.L., 77
 Nazari, M., 239
 Nishio, K., 227
 Nozaki, Shinji, 203, 305
 Nuys, Maurice, 333
- Oder, T.N., 77
 Ohashi, Naoki, 133
 Okuda, Shuhei, 19
 Onwona-Agyeman, B., 345
 Oueslati, Meherzi, 13
- Paliwal, Ayushi, 233
 Panarello, T., 277
 Parker, Thomas C., 351
 Paruchuri, Kondaiah, 139
 Pech, D., 265
 Peña, R., 25
 Petrik, P., 65
 Pfitzner, L., 65
 Piotrowska, Anna, 71
 Polity, Angelika, 153, 165

- Pollakowski, B., 65
 Pradhan, A.K., 245
 Pustelny, Tadeusz, 71
- Quan, Zhi-Yong, 115
 Quevedo, Manuel, 299
- Raghothamachar, Balaji, 121
 Raja, Vanjari Sundara, 139
 Rajan, Akshita, 43
 Raju, N. Ravi Chandra, 139
 Rao, K.V., 115
 Rastogi, A.C., 37
 Rekow, M., 277
 Reppin, Daniel, 165
 Riazanova, Anastasia, 115
 Rivas-Aguilar, Martha E., 299
 Roeder, G., 65
- Sahoo, Pratap Kumar, 203
 Sahu, Surendra Nath, 203
 Sakaguchi, Isao, 133
 Sakurai, K., 227
 Sallet, Vincent, 13
 Salvador, Paul, 259
 Sampath, W.S., 277
 Sanches, F.F., 339
 Sarangi, Sachindra Nath, 203
 Sartel, Corinne, 13
 Satomoto, Souichi, 127
 Schellenberger, M., 65
 Shalav, Avi, 191
 Shamsi, Zohreh, 209
 Shiraishi, T., 291
 Shokhovets, Sviatoslav, 165
 Smith, A., 77
 Sorescu, Monica, 185
 Souissi, Ahmed, 13
 Spiegelman, Jeff, 209
 Struk, Przemysław, 71
 Suzuki, Norihiro, 221
- Takashima, H., 227
 Tamiolakis, Ioannis, 315
 Tan, Geng, 215
- Tarun, Marianne C., 3
 Teklemichael, Samuel T., 3
 Thankalekshmi, Ratheesh R., 37
 Tomar, Monika, 43, 233, 327
 Tonooka, K., 227
- Uchida, Kazuo, 203, 305
 Uthanna, Suda, 139
- VanHart, Daniel, 37
 Verma, Manish Kumar, 327
- Wade, Collin, 185
 Wang, Han, 179
 Wang, R., 227
 Wang, Yan, 171, 321
 Washio, Katsuyoshi, 19
 Wickert, Sandra, 111
 Wielgus, Maciej, 71
 Willis, Brian G., 179
 Wolff, Karsten, 159
 Worsley, S.D., 245
 Wu, Fangzhen, 121
- Xu, Tianhong, 185
- Yadav, Harish Kumar, 43
 Yamaguchi, Naoya, 127
 Yamauchi, Ryosuke, 215
 Yan, Miaolei, 259
 Yang, Shu-Hui, 105
 Yasui, Kanji, 127
 Yoshimoto, Mamoru, 215
 You, Hoydoo, 259
- Zhang, Dongyuan, 203, 305
 Zhao, Xuelian, 253
 Zhao, Y., 239
 Zhou, Tianyi, 121
 Zhu, Y., 239

SUBJECT INDEX

- Al, 299
 alloy, 57
 atomic layer deposition (ALD), 179, 209
- catalytic, 315
 ceramic, 83, 271
 chemical vapor deposition (CVD) (deposition), 37, 127, 221
 compound, 221
 crystal growth, 19, 291
 crystalline, 91
 crystallographic structure, 121, 345
- devices, 111, 305
 dielectric, 253
 dielectric properties, 165, 233
 diffusion, 25
 dislocations, 121
 dopant, 77
- electrical properties, 3, 105, 165
 electrodeposition, 83, 265
 electronic material, 91
 electronic structure, 57
 energy generation, 259, 271
 energy storage, 265
 epitaxy, 227
- ferromagnetic, 115
 film, 133, 253, 291
- Ge, 209
- Hall effect, 127
 hydrothermal, 203, 291
- II-VI, 31, 83
 insulator, 111
 ion-beam processing, 153
- laser ablation, 133, 227, 277
 laser decomposition, 277
- laser-induced reaction, 277
 luminescence, 203
- magnetic properties, 25, 31, 185, 221
 mechanical alloying, 185
 metal, 191
 metal-insulator transition (MIT), 171, 239, 321
 microstructure, 265
 Mo, 99
 Mössbauer effect, 185
- N, 3
 nanoscale, 203
 nanostructure, 13, 37, 191, 311, 315, 333
 nitride, 51
- optical properties, 65, 139, 171, 197, 233, 239, 245, 321, 333, 351
 oxidation, 159, 209
 oxide, 13, 65, 71, 77, 121, 127, 153, 165, 191, 215, 239, 259, 299, 305, 311
- phase transformation, 215
 photoconductivity, 43
 photovoltaic, 333, 345, 351
 piezoelectric, 19, 227
- Rutherford backscattering spectroscopy (RBS), 245
- scanning probe microscopy (SPM), 311
 scanning tunneling microscopy (STM), 339
 self-assembly, 315
 semiconducting, 3, 13, 57, 327
 sensor, 71, 327
 simulation, 339
 sol-gel, 43, 253
 spintronic, 31

- spray deposition, 139
- sputtering, 51, 71, 77, 105, 115, 245
- structural, 139, 153
- surface chemistry, 339

- thermoelectric, 215, 271
- thin film, 25, 37, 43, 51, 115, 159, 171, 179, 197, 233, 305, 321, 327, 351
- Ti, 159
- transmission electron microscopy (TEM), 147
- transparent conductor, 91, 99, 105, 197, 345

- vapor phase epitaxy (VPE), 147
- vapor pressure, 133

- x-ray diffraction (XRD), 99, 147, 259
- x-ray photoelectron spectroscopy (XPS), 111, 179

- Zn, 19, 65, 299