

Cambridge University Press & Assessment

978-1-605-11652-5 — Synthesis, Characterization, and Applications of Functional Materials

Edited by Valentin Craciun , Maryline Guilloux-Viry , Menka Jain , Quanxi Jia , Hiromitsu Kozuka , Dhananjay Kumar , Sanjay Mathur , Xavier Obradors , Kaushal K. Singh

Index

[More Information](#)

AUTHOR INDEX

- Afzal, Adeel, 209
 Agnus, Guillaume, 93
 Albertini, David, 93
 Albino, Gina Montes, 105
 Alénó, Raúl, 59
 Alxneit, Ivo, 203
 Amin, Faisal, 209
 Ángel, Orlando Zelaya, 151
 Anitha, V.S, 113
 Anwar, Mehdi, 3, 21
 Ayvalı, Tuğçe, 157
 Bachelet, Romain, 93
 Bhattacharya, Shantanu, 33
 Bhosale, Rahul R., 203
 Biyikli, Necmi, 9
 Blas, Myrna Reyes, 163
 Botella, Claude, 93
 Bricout, Hervé, 219
 Cedeño-Mattei, Yarilyn, 79, 105
 Chandra, Ramesh, 121
 Chang, Chih-hung, 215
 Chaudret, Bruno, 157
 Chauhan, Samta, 121
 Chen, Jianguo, 99
 Chen, Yi-Wen, 139
 Cheng, Jinrong, 99
 Cheng, Po-Wei, 41
 Chiu, Hsien-Chin, 41
 Chopra, Nitin, 191
 Cioffi, Nicola, 15
 Collazo, Anthony López, 59
 Concepción-Abreu, Rosa, 79
 Corolewski, Caleb D., 87
 Costa, João Paulo C., 197
 Curtis, Travis, 177
 Dardor, Dareen Zuhir, 203
 Delgado, Gerardo Torres, 151
 Diliegros Godines, Carolina J., 151
 Dubourdieu, Catherine, 93
 Fazzini, Pier-Francesco, 157
 Fernandes, Jessica C., 53
 Ferrer Torres, Edmy J., 59
 Fialkova, Svitlana, 129
 Figueroa, Lourdes Díaz, 59
 Flewitt, Andrew J., 27
 Folady, Jamila, 203
 Gao, Zhongwei, 215
 Gautier, Brice, 93
 Gharbia, Shahd Samir, 203
 Gillet, Angélique, 157
 González, G.Camacho, 45
 Grenet, Geneviève, 93
 Guerrero, Miguel, 219
 Gupta, Ankur, 33
 Heffernan, Shane, 27
 Ho, Yu-Hsuan, 139
 Hötger, Diana, 15
 Hsueh, Kuang-Po, 41
 Hussain, Tajamal, 209
 Ibrahim, Sally A., 129
 Iqbal, Naseer, 209
 Jilani, Mehak, 203
 Jin, Guoxi, 99
 Joy, K., 113
 Kannan, Arunachalanadar M., 177
 Kayaci, Fatma, 9
 Korzhavyi, Pavel A., 185
 Kranz, Christine, 15
 Kumar, Anand, 203
 Kumar, Dhananjay, 129
 Kumar, Kuldeep, 191
 Largeau, Ludovic, 93
 Le Bourdais, David, 93
 Lecante, Pierre, 157
 Lecoeur, Philippe, 93

Cambridge University Press & Assessment

978-1-605-11652-5 — Synthesis, Characterization, and Applications of Functional Materials

Edited by Valentin Craciun , Maryline Guilloux-Viry , Menka Jain , Quanxi Jia , Hiromitsu Kozuka , Dhananjay Kumar , Sanjay Mathur , Xavier Obradors , Kaushal K. Singh

Index

[More Information](#)

Lekshmy, S.Sujatha, 113

Li, Yuan, 191

Li, Yunguo, 185

Lin, Tsu-Hung, 139

Lin, Wen-Yen, 41

Longo, Elson, 145

Louahadj, Lamis, 93

Lousada, Cláudio M., 185

Lozada, E.Velázquez, 45

Lustosa, Glauco M.M.M., 197

Manoli, Kyriaki, 15

Mazady, Anas, 3, 21

Mazet, Lucie, 93

McCluskey, Matthew D., 87

Medina, Eulalia, 59

Mensah-Darkwa, Kwadwo, 129

Meunier, Benjamin, 93

Mizaikoff, Boris, 15

Monflier, Eric, 219

Montes Albino, Gina M., 65

Mujahid, Adnan, 209

Mulato, Marcelo, 53

Munukutla, Lakshmi V., 177

Nayak, Monalisha, 33

Nowicki-Denicourt, Audrey, 219

Ozgit-Akgun, Cagla, 9

Pan, Changqing, 215

Patel, Rakhi P., 169

Perales-Pérez, Oscar, 65, 79, 105, 163

Perazolli, Leinig A., 197

Pérez, Rebeca Castanedo, 151

Philippot, Karine, 157, 219

Picca, Rosaria A., 15

Pillard, Valérie, 93

Poole, Violet M., 87

Rajput, Amit Singh, 121

Ramírez, José I., 59

Ramírez-Hernandez, Maricely, 163

Regreny, Philippe, 93

Rentas, Danielle, 163

Rentería-Beleno, Boris, 105

Rivera, Abdiel, 3, 21

Román, Felix R., 163

Roucoux, Alain, 219

Sahoo, Santosh K., 169

Saint-Girons, Guillaume, 93

Santiago Rivera, Miguel A., 65

Shah, Asma Tufail, 209

Sheen, Horn-Jiunn, 139

Sheu, Jinn-Kong, 41

Shidpour, R., 71

Simchi, A.R., 71

Singh, Deepak, 33

Sportelli, Maria C., 15

Srivastava, Saurabh Kumar, 121

Tarun, Marianne C., 87

Teixeira, Guilhermina F., 145

Thanh Chau, Nguyet Trang, 219

Tian, Wei-Cheng, 139

Torchynska, T., 45

Torsi, Luisa, 15

Uyar, Tamer, 9

van den Broeke, Leo L.P., 203

Varela, José A., 145

Vempati, Sesha, 9

Vossoughi, M., 71

Wang, Hsiang-Chun, 41

Wei, Pei-Kuen, 139

Wolden, Colin A., 169

Yarmolenko, Sergey, 129

Yeh, Yu-Hsiang, 41

Zaghete, Maria Ap., 145, 197

Cambridge University Press & Assessment

978-1-605-11652-5 — Synthesis, Characterization, and Applications of Functional Materials

Edited by Valentin Craciun , Maryline Guilloux-Viry , Menka Jain , Quanxi Jia , Hiromitsu Kozuka , Dhananjay Kumar , Sanjay Mathur , Xavier Obradors , Kaushal K. Singh

Index

[More Information](#)

SUBJECT INDEX

- adsorption, 209
Ag, 163
annealing, 129
biomaterial, 59
casting, 99
catalytic, 71, 219
ceramic, 99, 191
chemical synthesis, 33
chemical vapor deposition (CVD)
(deposition), 3, 21
coating, 53
composite, 99
corrosion, 185
Cr, 209
crystal growth, 79
crystallographic structure, 185
defects, 87
dielectric properties, 121, 169
electrical properties, 53, 169, 197
electrochemical synthesis, 15
electrodeposition, 27
epitaxy, 93
ferroelectric, 93
ferromagnetic, 65
fiber, 9
grain boundaries, 197
grain size, 105
hydrothermal, 9
II-VI, 21
infrared (IR) spectroscopy, 177
lithography (deposition), 177
magnetic, 121
magnetic properties, 105, 113, 129
Mg, 41
microwave heating, 145
mixture, 59
Mo, 215
morphology, 145, 191
nanoscale, 59, 79, 163, 219
nanostructure, 15, 21, 33, 121, 139,
157, 191, 203
Nb, 145
optical properties, 65
oxidation, 41
oxide, 3, 9, 27, 79, 87, 93, 185
photoconductivity, 87
photovoltaic, 27
plasma-enhanced CVD (PECVD)
(deposition), 169
Re, 157
S, 215
scanning electron microscopy
(SEM), 45, 71
self-assembly, 139
sensor, 15, 33, 53, 139
Sn, 151, 197, 215
sol-gel, 65, 105, 151, 203, 209
solution deposition, 215
spray deposition, 45
surface chemistry, 71, 157
thermogravimetric analysis (TGA),
203
thin film, 3, 113, 129
transmission electron microscopy
(TEM), 163
transparent conductor, 151
water, 219
x-ray diffraction (XRD), 45, 113
x-ray photoelectron spectroscopy
(XPS), 177
Zn, 41