1. Record Nr. UNINA9910790329503321

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Titolo	Computational ecology [[electronic resource]] : graphs, networks, and agent based modeling / / Wenjun Zhang
Pubbl/distr/stampa	Hackensack, N.J., : World Scientific, 2012
ISBN	1-281-60356-2 9786613784254 981-4343-62-5
Descrizione fisica	1 online resource (382 p.)
Disciplina	577.0151
Soggetti	Ecology - Mathematical models Multiagent systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Graphs -- pt. 2. Networks -- pt. 3. Agent-based modeling.
Sommario/riassunto	Graphs, networks and agent-based modeling are the most thriving and attracting sciences used in ecology and environmental sciences. As such, this book is the first comprehensive treatment of the subject in the areas of ecology and environmental sciences. From this integrated and self-contained book, researchers, university teachers and students will be provided with an in-depth and complete insight on knowledge, methodology and recent advances of graphs, networks and agent-based-modeling in ecology and environmental sciences. Java codes and a standalone software package will be presented in th

2. Record Nr. UNINA9910506401203321

Titolo	Sustainable Production and Applications of Waterborne Polyurethanes / / edited by Inamuddin, Rajender Boddula, Anish Khan
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-72869-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (192 pages)
Collana	Advances in Science, Technology & Innovation, IEREK Interdisciplinary Series for Sustainable Development, , 2522-8722
Disciplina	668.4239
Soggetti	Engineering Environment Materials science Electric power production Chemistry Technology and Engineering Environmental Sciences Materials Science Electrical Power Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Waterborne Polyurethanes for Corrosion Protection -- Waterborne Polyurethane-Polyacrylate Hybrids -- Applications of Cationic Waterborne Polyurethanes -- Waterborne polyurethanes additive technologies -- Waterborne Polyurethanes in Sustainability Development -- Properties and characterization techniques for waterborne polyurethanes -- Novel research areas of applications for waterborne polyurethanes -- Applications of Polymeric Materials in Biomedical Engineering -- Applications Of Waterborne Polyurethanes Foams -- Waterborne polyurethane-metal oxide nanocomposite applications -- Waterborne polyurethanes for biomedical applications -- Biomedical and environmental applications of waterborne polyurethane-metal oxide nanocomposites.
Sommario/riassunto	This edited book compiles all category viewpoints in waterborne

polyurethanes (WPUs) dispersions, composites, characterizing techniques, and allied applications such as coatings, adhesives, sealants, anticorrosive, flame-retardant, and biomedical applications. The book brings together panels of highly accomplished experts in the field of advanced polymers for versatile applications. It encompasses basic studies and addresses topics of novel issues which cover all the aspects in one place. The book is an invaluable guide to newcomers, research scholars, professors, and R&D industrial experts working in the field of polyurethane chemistry. Polyurethanes are excellent materials in coating technology owing to their chemical resistance, toughness, abrasion resistance, and mechanical stability. However, polyurethane dispersion contains volatile organic compounds (VOCs) and hazardous air pollutants (HAPs) which are harmful to the environment. Hence, green chemistry research focuses on discovery of waterborne polyurethanes (WPUs) and pay attention. WPUs have fascinated growing interest in wide range of industrial and commercial applications.