

AUTOR	LANGUAGE	COUNTRY	GENDER	FIRST PUB	TITLE	SUBJECT	TYPE
Ilaria Mazzoleni	ENGLISH	ITALY	W	2013	Architecture Follows Nature-Biomimetic Principles for Innovative Design	Influence of biology in the design	ELECTRONIC BOOK
Jan Knippers, Klaus G. Nickel, Thomas Speck	ENGLISH	GERMANY	M	2016	Biomimetic Research for Architecture and Building Construction	'Biological Design and Integrative Structures – Analysis, Simulation and Implementation in Architecture'	ELECTRONIC BOOK
Dennis Dollens	ENGLISH	SPAIN	M	2006	Toward Living Buildings Biomimetic & Genetic Architectures	Living buildings	BOOK
Dennis Dollens	ENGLISH	SPAIN	M	2007	Digital-botanic Architecture	digital design and architecture based on biological forms—especially plant morphology	BOOK/ PAPERBACK
Dennis Dollens	ENGLISH	SPAIN	M	2006	The Pangolin's Guide to Biomimetics and Digital Architecture	manga-inspired comic book tours new ideas about the environment, design, digital and natural growth, and architecture	MANGA/PAPERBACK
Yoseph Bar-Cohen	ENGLISH	ISRAEL	M	2005	Biomimetics Biologically Inspired Technologies	contains pioneering approaches to biomimetics including a new perspective on the mechanization of cognition and intelligence	ELECTRONIC BOOK
Jan Knippers, Thomas Speck, Ulrich Schmid	ENGLISH	GERMANY	M	2019	Biomimetics for Architecture Learning from Nature	The analysis of biological constructions TO lead to astonishing technical solutions THAT can also inspire the design of architecture.	ELECTRONIC BOOK
Neal Panchuk	ENGLISH	CANADA	M	2006	An Exploration Into Biomimicry and Its Application in Digital & Parametric [Architectural] Design	Three design concepts are produced that utilize a selection of natural principles of design outlined in the initial biomimetic investigation	PAPER
Göran Pohl, Werner Nachtigall	ENGLISH	GERMANY	M	2015	Biomimetics for Architecture & Design Nature - Analogies - Technology	application of biomimetic principles in architecture and engineering design	ELECTRONIC BOOK
Christopher Deissenberg	ENGLISH	US/FRANCE	M	2013	Bio-Mimetic Approaches in Management Science	The way that simulate nature's way of solving complex problems into science and design	ELECTRONIC BOOK
Janine M. Benyus, Ambro	SPANISH	SPAIN	W/M	2012	Biomímesis Innovaciones inspiradas por la naturaleza	Nature as the model for solving problems in our modern society	BOOK/ PAPERBACK
Derek Clements-Croome	ENGLISH	UK	M	2020	Designing Buildings for People Sustainable Liveable Architecture	Designing Buildings for People explores how we can learn from buildings of the past, vernacular architecture and the natural world around us, while still harnessing the opportunities presented by technology, to think creatively	ELECTRONIC BOOK
Gulden Kokturk, Tutku Didem Altun	ENGLISH	TURKEY	W/M	2018	Interdisciplinary Expansions in Engineering and Design With the Power of Biomimicry	model for analysis and design of architecture based on a multistaged integrated design process that extends the common morphological process in digital morphogenesis with a typology-based ontological model. Biomimetics	BOOK
Christian Hellmich, Dietmar Bruckner, Heinz-Bodo Schmiedmayer, Herbert Stachelberger, Ille C. Gebeshuber, Petra Gruber	ENGLISH	GERMANY	W/M	2011	Biomimetics – Materials, Structures and Processes Examples, Ideas and Case Studies	presents an outline of current activities in the field of biomimetics and integrates a variety of applications comprising biophysics, surface sciences, architecture and medicine	ELECTRONIC BOOK
Barbara Imhof, Petra Gruber	ENGLISH	GERMANY	W	2016	Built to Grow – Blending Architecture and Biology	Using vconcepts of cellular multiplication into the concept of building and designing buildings	ELECTRONIC BOOK
Anna Mura, Paul F.M.J. Verschure, Stuart P. Wilson, Tony J. Prescott	ENGLISH	SPAIN/US	W/M	2015	Biomimetic and Biohybrid Systems 4th International Conference, Living Machines 2015, Barcelona, Spain, July 28 - 31, 2015, Proceedings	constitutes the proceedings of the 4th International Conference on Biomimetic and Biohybrid Systems, Living Machines 2015, held in Barcelona, Spain, in July 2015	ELECTRONIC BOOK
Mohsen Aboulnaga, Samaa E. Helmy	ENGLISH	EGYPT	M	2022	Biomimetic Architecture and Its Role in Developing Sustainable, Regenerative, and Livable Cities Global Perspectives and Approaches in the Age of COVID-19	Biomimetic Architecture as a response for the crisis of the pandemic and the social interaction	ELECTRONIC BOOK
Lars H. Wegner, Ulrich Lüttge	ENGLISH	GERMANY	M	2019	Emergence and Modularity in Life Sciences	This book focuses on modules and emergence with self-organization in the life sciences	ELECTRONIC BOOK
Xavier Marsault	ENGLISH	FRANCE	M	2017	Eco-generative Design for Early Stages of Architecture	breaking major difficulties of the real-time generative design in the early stages of a pre-architectural project.	ELECTRONIC BOOK
Christina Cogdell	ENGLISH	US	W	2018	Toward a Living Architecture? Complexism and Biology in Generative Design	Christina Cogdell examines their claims from the standpoints of the sciences they draw on—complex systems theory, evolutionary theory, genetics and epigenetics, and synthetic biology.	ELECTRONIC BOOK

Md Nurunnabi	ENGLISH	SAUDI ARABIA	M	2021	Bioinspired and Biomimetic Materials for Drug Delivery	Bioinspired and Biomimetic Materials for Drug Delivery delves into the potential of bioinspired materials in drug delivery, detailing each material type and its latest developments.	ELECTRONIC BOOK
Colin Porteous	ENGLISH	UK	M	2019	Precedented Environmental Futures Skin and Substance	This book addresses the built environment through the lens of environmental architecture, and in a holistic manner.	ELECTRONIC BOOK
Raz Jelinek	ENGLISH	ISRAEL	M	2021	Biomimetics A Molecular Perspective	This book methodically describes artificial and synthetic assemblies mimicking biological and living systems - from biomaterials to drug discovery to microelectronics and computer sciences.	ELECTRONIC BOOK
Leonardo Trujillo, Sara Silva, Stephan M. Winkler, Wolfgang Banzhaf	ENGLISH	US/AUSTRIA	M/W	2023	Genetic Programming Theory and Practice XIX	This book brings together some of the most impactful researchers in the field of Genetic Programming (GP), each one working on unique and interesting intersections of theoretical development and practical applications of this evolutionary-based machine learning paradigm.	ELECTRONIC BOOK
Sandy B. Primrose	ENGLISH	UK	M	2020	Biomimetics Nature-Inspired Design and Innovation	This book covers the field of biomimicry, an area of science where researchers look to mimic aspects of plants or animals in order to solve problems in aerospace, shipping, building, electronics, and optics, among others.	ELECTRONIC BOOK
Sooraj Hussain Nandyala	ENGLISH	UK	M	2020	Journal of Biomimetics, Biomaterials and Biomedical Engineering Vol. 47	presents the latest research results in the field of applied biomechanics and processing of biomedical images and signals. Also, there is data about the synthesis and research properties of biomaterials	ELECTRONIC BOOK
Henry Dicks	ENGLISH	US	M	2023	The Biomimicry Revolution Learning from Nature How to Inhabit the Earth	In this book, Henry Dicks explores the philosophical significance of a revolutionary approach to sustainable innovation: biomimicry.	ELECTRONIC BOOK
Gilles Retsin	ENGLISH	BELGIUM	M	2019	Discrete Reappraising the Digital in Architecture	The discrete proposes that a new, digital understanding of assembly, based on parts, contains the greatest promise for a complex, open-ended, adaptable architecture.	ELECTRONIC BOOK
Chris Dähne, Frederike Lausch, Nathalie Bredella	ENGLISH	GERMANY	W/M	2023	Utopia Computer. The "New" in Architecture?	Design and the capacity of recovering and gathering data into fabrication possesses	BOOK/ PAPERBACK
Amauri Bueno, Antonio Heredia, Eva Domínguez, Isabel Molina	ENGLISH	SPAIN	W/M	2022	Plant cuticle: From biosynthesis to ecological functions	Ecological functions	BOOK/ PAPERBACK
Negin Imani, Brenda Vale	ENGLISH	UK	W/M	2022	Heating with Wolves, Cooling with Cacti Thermo-bio-architectural Framework (ThBA)	the detailed process behind the development of a comprehensive thermo-bio-architectural framework (the ThBA).	ELECTRONIC BOOK
Mitra Kanaani	ENGLISH	US	W	2019	The Routledge Companion to Paradigms of Performativity in Design and Architecture Using Time to Craft an Enduring, Resilient and Relevant Architecture	focuses on a non-linear, multilateral, ethical way of design thinking, positioning the design process as a journey. It expands on the multiple facets and paradigms of performative design thinking as an emerging trend in design methodology.	ELECTRONIC BOOK
Fabio Bianconi, Marco Filippucci	ENGLISH	ITALY	M	2019	Digital Wood Design Innovative Techniques of Representation in Architectural Design	This book explores various digital representation strategies that could change the future of wooden architectures by blending tradition and innovation.	ELECTRONIC BOOK
Jun Nakanishi, Koichiro Uto	ENGLISH	JAPAN	M	2022	Material-Based Mechanobiology	This book focuses on recent progress in mechanobiology from the materials science perspective, encompassing innovative material designs for force measurements and actuation to resolve dynamic mechanobiology and mechanoarchitectonics	BOOK
Marta Tobolczyk	ENGLISH	POLAND	W	2020	The Art of Building at the Dawn of Human Civilization The Ontogenesis of Architecture	unconventional outlook on architecture, presenting some aspects of its evolution. It demonstrates how prehistoric people developed the art of building when trying to solve increasingly complicated spatial and structural problems.	ELECTRONIC BOOK
Frank Nelson Crespihlo	ENGLISH	BRAZIL	M	2022	Advances in Bioelectrochemistry Volume 2 Biomimetic, Bioelectrocatalysis and Materials Interfaces · Tomo 2	This book presents a collection of chapters on modern bioelectrochemistry, showing different aspects of materials and electrode processes.	ELECTRONIC BOOK
David S-K. Ting, Jacqueline A Stagner	ENGLISH	CANADA	W/M	2021	Climate Change Science Causes, Effects and Solutions for Global Warming	Climate Change Science: Causes, Effects and Solutions for Global Warming presents unbiased, state-of-the-art, scientific knowledge on climate change and engineering solutions for mitigation.	ELECTRONIC BOOK

Courtney M. Townsend	ENGLISH	US	M	2021	Sabiston Textbook of Surgery E-Book The Biological Basis of Modern Surgical Practice	his fully revised 21st Edition continues to provide the key information, essential teaching pearls, and completely updated content needed to make the most informed surgical decisions and achieve optimal outcomes for patients.	ELECTRONIC BOOK
Christian C. Young, Luis A. Campos, Michael R. Dietrich, Tiago Saraiva	ENGLISH	US	M	2021	Nature Remade Engineering Life, Envisioning Worlds	These essays span the many levels at which life has been engineered: molecule, cell, organism, population, ecosystem, and planet.	BOOK/PAPERBACK
Dirk E. Hebel, Felix Heisel	ENGLISH	GERMANY	M	2017	Cultivated Building Materials Industrialized Natural Resources for Architecture and Construction	This book presents innovative industrialized production methods for cultivated building materials, like cement grown by bacteria, bricks made of mushroom mycelium, or bamboo fibers as reinforcement for concrete.	ELECTRONIC BOOK
Richard Coyne	ENGLISH	UK	M	2018	Network Nature The Place of Nature in the Digital Age	In Network Nature, Richard Coyne challenges the definitions of both the natural and the artificial that support this time-worn narrative of nature's benefits. In the process, he attacks the counter-claim that nature must succumb to the sovereignty of digital data.	ELECTRONIC BOOK
Monalisa Mukherjee, Mousumi Sen	ENGLISH	BELGIUM	W/M	2023	Bioinspired and Green Synthesis of Nanostructures A Sustainable Approach	This unique book details various ways to synthesize advanced nanostructures using green methods, explores the design and development of sustainable advanced nanostructures, and discusses the antimicrobial and antiviral applications.	ELECTRONIC BOOK
Domenico D'Uva	ENGLISH	ITALY	M	2018	Handbook of Research on Form and Morphogenesis in Modern Architectural Contexts	As architectural designs continue to push boundaries, there is more exploration into the bound shape of architecture within the limits of spaces made for human usability and interaction. The Handbook of Research on Form and Morphogenesis in Modern Architectural Contexts provides emerging research on the process of architectural form-finding as an effort to balance perceptive efficiency with functionality.	ELECTRONIC BOOK
Amaresh Chakrabarti	ENGLISH	INDIA	M	2019	Research Into Design for a Connected World Proceedings of ICoRD 2019 Volume 1	While Design traditionally focused on developing products that worked on their own, an emerging trend is to have products with a smart layer that makes them context aware and responsive, individually and collectively, through collaboration with other physical and digital objects with which these are connected.	ELECTRONIC BOOK
Dusan Losic	ENGLISH	UNESPECIFIED	M	2018	Diatom Nanotechnology Progress and Emerging Applications	The unique nano and micro silica structures of the material combined with its availability as a low cost mineral from diatomaceous earth are attractive for solving many of today's environmental, energy and health problems	BOOK
Karen Liu, Peter John Anderson, Sebastian Dworkin	ENGLISH	SCOTLAND	W/M	2022	Genetic, Environmental and Synergistic Gene-Environment Contributions to Craniofacial Defects	BIOMIMESIS as a tool for reconstruction of cranescephalic operations	ELECTRONIC BOOK
Roger Narayan	ENGLISH	UNESPECIFIED	M	2018	Encyclopedia of Biomedical Engineering	Encyclopedia of Biomedical Engineering, Three Volume Set is a unique source for rapidly evolving updates on topics that are at the interface of the biological sciences and engineering. Biomaterials, biomedical devices and techniques play a significant role in improving the quality of health care in the developed world.	ELECTRONIC BOOK
William S. Burroughs	SPANISH	US	M	2018	La máquina blanda		BOOK
Farzad Pour Rahimian, Jack S. Goulding	ENGLISH	UK	M	2019	Offsite Production and Manufacturing for Innovative Construction People, Process and Technology	It presents new thinking and direction from leading experts in the fields of: design, process, construction, engineering, manufacturing, logistics, robotics, delivery platforms, business and transformational strategies, change management, legislation, organisational learning, software design, innovation and biomimetics.	ELECTRONIC BOOK

Bradley D. Fahlman	ENGLISH	NETHERLANDS	M	2018	Materials Chemistry	Materials Chemistry addresses inorganic-, organic-, and nano-based materials from a structure vs. property treatment, providing a suitable breadth and depth coverage of the rapidly evolving materials field — in a concise format	ELECTRONIC BOOK
Konrad Oexle, Martin Grambow, Michael Molls, Peter A. Wilderer	ENGLISH	GERMANY	M	2021	Strategies for Sustainability of the Earth System	Humankind has intervened in this ecosystem since its emergence on the planet about 2.5 million years ago, often with painful consequences for itself. In its reactions, the Earth system follows only the laws of nature. Consequently, humanity needs to develop strategies for a sustainable Earth system.	ELECTRONIC BOOK
Abdulkerim Gok, Ebubekir Yüksel, Murat Eyvaz	ENGLISH	TURKEY	M	2019	Energy-Efficient Approaches in Industrial Applications	In addition to the efficient use of energy in order to reduce operating costs in industrial applications, alternatives such as efficient use of energy for conservation of resources and climate, energy recovery, renewable energy preferences, and energy production from wastes are becoming more common.	BOOK
Georgia C. Papaefthymiou	ENGLISH	US	W	2022	Nanomagnetism An Interdisciplinary Approach	provides a core foundation for understanding magnetic quantum-size effects at the nanoscale and their many applications across the disciplines. This textbook will be a valuable guide for students in new interdisciplinary courses in nanomagnetism and magnetic nanomaterials, an area that has experienced immense growth in the last two decades due to advancements in sample preparation, nanopatterning techniques and magnetic measurement instrumentation.	ELECTRONIC BOOK
David Grant, Lyria Bennett Moses	ENGLISH	AUSTRALIA	W/M	2017	Technology and the Trajectory of Myth	presents an entirely new way of understanding Technology - as the successor to the dominant ideologies that have underpinned the thought and practices of the West.	ELECTRONIC BOOK
Juan Bueno	ENGLISH	COLOMBIA	M	2020	Molecular Evolutionary Models in Drug Discovery	explores the application of evolutionary molecular models in drug discovery in which secondary metabolites play a fundamental role.	ELECTRONIC BOOK
Hussein Abdelhay Essayed Kaoud	ENGLISH	EGYPT	M	2018	Tissue Regeneration	The main purpose of this book is to point out the interest of some important topics of tissue regeneration and the progress in this field as well as the variety of different surgical fields and operations.	ELECTRONIC BOOK
Colin B. Munn	ENGLISH	UK	M	2019	Marine Microbiology Ecology & Applications	The third edition of this bestselling text has been rigorously updated to reflect major new discoveries and concepts since 2011, especially progress due to extensive application of high-throughput sequencing, single cell genomics and analysis of large datasets	ELECTRONIC BOOK
Antonella Motta, David Kaplan, Nicola Maria Pugno	ENGLISH	UNESPECIFIED	W/M	2021	Frontiers in Silk Science and Technology	Applications on engineering and reconstruction of tissues and it's application in different roles	ELECTRONIC BOOK
Maria Mackiewicz-Talarczyk, Ryszard M. Kozłowski	ENGLISH	UNESPECIFIED	W/M	2020	Handbook of Natural Fibres Volume 2: Processing and Applications	provides detailed coverage of the latest processing techniques and industrial applications of a wide range of natural fibers.	ELECTRONIC BOOK
Andy H. Choi, Besim Ben-Nissan	ENGLISH	WALES	M	2019	Marine-Derived Biomaterials for Tissue Engineering Applications	presents the latest advances in marine structures and related biomaterials for applications in both soft- and hard-tissue engineering, as well as controlled drug delivery.	ELECTRONIC BOOK

João Silva Sequeira, Maria Isabel Aldinhas Ferreira, Rodrigo Ventura	ENGLISH	BRAZIL	W/M	2018	Cognitive Architectures	This book provides an integrated framework for natural and artificial cognition by highlighting the fundamental role played by the cognitive architecture in the dialectics with the surrounding environment and consequently in the definition of a particular meaningful world.	ELECTRONIC BOOK
Amjad Kallel, Hamed Ben Dhia, Mohamed Ksibi, Nabil Khélifi	ENGLISH	SAUDI ARABIA	W/M	2017	Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions Proceedings of Euro-Mediterranean Conference for Environmental Integration (EMCEI-1), Tunisia 2017 · Tomos 1-2	aimed to give a more concrete expression to the Euro-Mediterranean integration process by supplementing existing North-South programs and agreements with a new multilateral scientific forum that emphasizes in particular the vulnerability and proactive remediation of the Euro-Mediterranean region from an environmental point of view.	ELECTRONIC BOOK
Frank Bonnet, Francesco Mondada	ENGLISH	SWITZERLAND	M	2019	Shoaling with Fish: Using Miniature Robotic Agents to Close the Interaction Loop with Groups of Zebrafish Danio Rerio	Robotic animals are nowadays developed for various types of research, such as bio-inspired robotics, biomimetics and animal behavior studies. More specifically, in the case of collective animal behavior research, the robotic device can interact with animals by generating and exploiting signals relevant for social behavior.	ELECTRONIC BOOK
Rui L. Reis, Subhas C. Kundu	ENGLISH	INDIA	M	2020	Biomaterials for 3D Tumor Modeling	Biomaterials for 3D Tumor Modeling reviews the fundamentals and most relevant areas of the latest advances of research of 3D cancer models, focusing on biomaterials science, tissue engineering, drug delivery and screening aspects.	ELECTRONIC BOOK
Ali Akbar Moosavi-Movahedi	ENGLISH	IRAN	M	2021	Rationality and Scientific Lifestyle for Health	This book argues that, to be healthy, human beings should love nature and stay in balance with it as much as possible. In other words: do not unbalance nature so that your own balance is not disturbed.	ELECTRONIC BOOK
Cesar Sanin, Edward Szczerbicki	ENGLISH	POLAND	M	2020	Knowledge Management and Engineering with Decisional DNA	This comprehensive book provides guidelines to help readers develop experience-based tools and approaches for smart engineering of knowledge, data and information.	ELECTRONIC BOOK
Feng Qiao, John Wang, Srikanta Patnaik	ENGLISH	CHINA/INDIA	M	2017	Recent Developments in Mechatronics and Intelligent Robotics Proceedings of the International Conference on Mechatronics and Intelligent Robotics (ICMIR2017) - Volume 1 · Tomo 1	Intelligent Systems, Intelligent Sensors & Actuators, Robotics, Mechatronics, Modeling & Simulation, Automation & Control, and Robot Vision.	ELECTRONIC BOOK
Debmalya Barh	ENGLISH	INDIA	M	2022	Biotechnology in Healthcare, Volume 2 Applications and Initiatives · Tomo 2	Biotechnology in Healthcare presents up-to-date knowledge on the emerging field of biotechnology as applied to the healthcare industry.	ELECTRONIC BOOK
Sandra G.L. Persiani	ENGLISH	GERMANY	W	2020	Design of Autoreaction A Framework for Kinetic Reaction at Zero Energy	provides the readers with a timely guide to the application and integration of interdisciplinary principles from the fields of kinetic design, mechanics, energy and materials engineering in the fields of architecture and engineering design.	ELECTRONIC BOOK
Giacomina Brunetti, Giorgio Mori, Maria Felicia Faienza, Patrizia D'Amelio	ENGLISH	ITALY	W/M	2020	Updates on Osteoimmunology: What's New on the Crosstalk Between Bone and Immune Cells	different discoveries have emphasized the cross-talk between bone and immune cells as well as their common regulatory pathways. Indeed, soluble molecules produced by immune cells modulate the behavior of osteoblasts and osteoclasts	ELECTRONIC BOOK
Irena Levitan, Michael Model	ENGLISH	US	W/M	2021	New Methods and Sensors for Membrane and Cell Volume Research	New Methods and Sensors for Membrane and Cell Volume Research, Volume 88 provides an overview of novel experimental approaches to study both the cell membrane and the under-membrane space – the cytosol, which have lately began drawing renewed attention.	ELECTRONIC BOOK
Dragan P. Uskoković, Velimir R. Radmilović	ENGLISH	SERBIA	M	2019	Programme and the Book of Abstracts / YUCOMAT & WRTCS 2019	Twenty-first Annual Conference YUCOMAT 2019 & Eleventh World Round Table Conference on Sintering WRTCS 2019, Herceg Novi, September 2-6, 2019	BOOK

Aaron M. Ellison, Lubomír Adamec	ENGLISH	US	M	2018	Carnivorous Plants Physiology, Ecology, and Evolution	THE BIOLOGICAL STUDY OF CARNIVOROUS PLANTS	ELECTRONIC BOOK
Anand Ramamurthi, Chandrasekhar Kothapalli	ENGLISH	INDIA	M	2018	Elastic Fiber Matrices Biomimetic Approaches to Regeneration and Repair 2018	provides a comprehensive resource on the intrinsic and pathological aberrations of the complex process of elastic matrix assembly and/or variations thereof in different elastic tissue types, and on strategies to regenerate or restore lost elastin matrix, either in vitro or in vivo, including biomimetic elastin-like-peptides, gene therapy, drug delivery, tissue engineering (biomolecules, scaffolds, and mechanical stimuli), pharmacological approaches, elastin stabilization and preservation, stem cell therapy, allografts/xenografts, and synthetic/biological elastomers.	ELECTRONIC BOOK
Skylar Tibbits	ENGLISH	US	M	2017	Active Matter	The past few decades brought a revolution in computer software and hardware; today we are on the cusp of a materials revolution. If yesterday we programmed computers and other machines, today we program matter itself. This has created new capabilities in design, computing, and fabrication, which allow us to program proteins and bacteria, to generate self-transforming wood products and architectural details, and to create clothing from "intelligent textiles" that grow themselves. This book offers essays and sample projects from the front lines of the emerging field of active matter.	ELECTRONIC BOOK
Ajaykumar Vishwakarma, Jeffrey M Karp	ENGLISH	INDIA	M	2017	Biology and Engineering of Stem Cell Niches	Biology and Engineering of Stem Cell Niches covers a wide spectrum of research and current knowledge on embryonic and adult stem cell niches, focusing on the understanding of stem cell niche molecules and signaling mechanisms, including cell-cell/cell-matrix interactions.	ELECTRONIC BOOK
Dongmei Deng, Fang Yang, Huancai Lin	ENGLISH	CHINA	M	2023	Mechanisms of Biofilm Development and Antibiofilm Strategies	BIOFILM AND ANTIBIOFILM DEVELOPMENT	ELECTRONIC BOOK
Andrea Ravasio, Hiroaki Hirata, Naotaka Nakazawa, Tsuyoshi Hirashima	ENGLISH	JAPAN	M	2023	Multicellularity: Views from cellular signaling and mechanics	UNSPECIFIED	ELECTRONIC BOOK
Andriy Kovalchuk, Fred O Asiegbu	ENGLISH	FINLAND	M	2021	Forest Microbiology Volume 1: Tree Microbiome: Phyllosphere, Endosphere and Rhizosphere	places an emphasis on the microbiology of leaves, needles, stems, roots, litter and soil. This comprehensive title is split into five sections, including the phyllosphere microbiome, endosphere, rhizosphere, archaea, viruses in forest ecosystem and microbiota of forest nurseries and tree pests, challenges and potentials.	ELECTRONIC BOOK
Wil V. Srubar III	ENGLISH	US	M	2022	Engineered Living Materials	This book will serve as a primer for readers to understand recent advances, applications, and current challenges in the field of Engineered Living Materials	ELECTRONIC BOOK
Guigen Zhang, Michael J. Yaszemski, Shelly E. Sakiyama-Elbert, William R Wagner	ENGLISH	US	W/M	2020	Biomaterials Science An Introduction to Materials in Medicine	The revised edition of the renowned and bestselling title is the most comprehensive single text on all aspects of biomaterials science from principles to applications. Biomaterials Science, fourth edition, provides a balanced, insightful approach to both the learning of the science and technology of biomaterials and acts as the key reference for practitioners who are involved in the applications of materials in medicine.	ELECTRONIC BOOK
David Caballero, Rui L. Reis, Subhas Chandra Kundu	ENGLISH	PORTUGAL/INDIA	M	2020	Cell-derived Matrices Parte 1	provides a detailed description and step-by-step methods surrounding the use of three-dimensional cell-derived matrices for tissue engineering applications.	ELECTRONIC BOOK
Amiq Gazdhar, Anna Lange-Consiglio, Charlotte Riviere, V. Prasad Shastri	ENGLISH	INDIA	M	2023	Methods in cell therapy and regenerative medicine	REGENERATIVE MEDICINE ABSED IN CELLS	ELECTRONIC BOOK
Hediye KIRLI AKIN, Recep HALICIOGLU, Yusuf FEDAI	ENGLISH	TURKEY	M	2017	International Advanced Researches & Engineering Congress 2017 Proceeding Book	A BOOK GATHERING DIFFERENT WORKSHOPS INTEGRING ENGINEERING AND ARCHITECTURE	ELECTRONIC BOOK

Iliana Esperanza Hernández García, Jaime Hernández-García, Raúl Niño Bernal	ENGLISH	COLOMBIA	W/M	2020	Paisajes artificiales: virtuales, informales y edificados	Este libro construye un conjunto de conceptos alrededor de la perspectiva investigativa de los paisajes artificiales. Estos se configuran como mundos posibles en evolución a través de procesos de simulación digital, autoorganización social y cocreación de devenires edificables, que desdibujan la frontera entre lo natural y lo artificial.	ELECTRONIC BOOK
Haibin Duan, Liang Yan, Xiang Yu	ENGLISH	CHINA	W/M	2021	Advances in Guidance, Navigation and Control Proceedings of 2020 International Conference on Guidance, Navigation and Control, ICGNC 2020, Tianjin, China, October 23–25, 2020	his book features the latest theoretical results and techniques in the field of guidance, navigation, and control (GNC) of vehicles and aircraft. It covers a range of topics, including, but not limited to, intelligent computing communication and control; new methods of navigation, estimation, and tracking; control of multiple moving objects; manned and autonomous unmanned systems; guidance, navigation, and control of miniature aircraft; and sensor systems for guidance, navigation, and control.	ELECTRONIC BOOK
Ernest E. Moore, David V. Feliciano, Kenneth L. Mattox	ENGLISH	US	M	2017	Trauma, 8th Edition	Hailed by readers and reviewers for its expert authorship and high-yield clinical content, Trauma is unquestionably the field's definitive text. Enhanced by a full-color design and a high-quality atlas of anatomic drawings and surgical approaches, this trusted classic takes readers through the full range of injuries the trauma surgeon is likely to encounter.	ELECTRONIC BOOK
Ann Sussman Justin B Hollander	ENGLISH	US	W/M	2021	Cognitive Architecture: Designing for How We Respond to the Built Environment	Discussing key biometric tools to help designers 'see' subliminal human behaviors and suggesting new ways to analyze designs before they are built, this new edition brings readers up-to-date on scientific tools relevant for assessing architecture and the human experience of the built environment.	ELECTRONIC BOOK