

1. Record Nr.	UNISALENTO991003675309707536
Autore	Hélein, Frédéric
Titolo	Constant mean curvature surfaces, harmonic maps, and integrable systems / Frédéric Hélein ; notes taken by Roger Moser
Pubbl/distr/stampa	Basel ; Boston ; Berlin : Birkhauser, c2001
ISBN	3764365765
Descrizione fisica	122 p. ; 24 cm.
Collana	Lectures in mathematics ETH Zurich
Classificazione	AMS 53C42
Altri autori (Persone)	Moser, Roger
Disciplina	516.362
Soggetti	Harmonic maps Immersiones (Mathematics) Surfaces of constant curvature
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes bibliographical references (p. [117]-122)

2. Record Nr.	UNINA9910821464103321
Titolo	Advanced surface engineering materials // edited by Ashutosh Tiwari, Rui Wang, and Bingqing Wei
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ISBN	1-119-31417-8 1-119-31418-6 1-119-31419-4
Descrizione fisica	1 online resource (724 p.)
Collana	Advanced materials series
Disciplina	620/.44
Soggetti	Coatings Adhesives Smart materials Surfaces (Technology) Coating processes
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	Title page; Copyright page; Preface; Part 1: Functional Coatings and Adhesives; Chapter 1: Bio-inspired Coatings and Adhesives; 1.1 Introduction; 1.2 The Interfacial Biochemistry of a Mussel Adhesive; 1.3 Tough Coating Proteins in the Mussel Thread; 1.4 Mussel-inspired Coatings and Adhesives; 1.5 Conclusions and Future Research Avenues for Bio-inspired Adhesives and Coatings; References; Chapter 2: Advancement of Surface by Applying a Seemingly Simple Sol-gel Oxide Materials; 2.1 Introduction; 2.2 Are Simple Sol-gel Oxides Only Simple Materials?; 2.3 Hybrid Coating Materials 2.4 Functionalized Oxide Coatings 2.5 Coatings for Cells; 2.6 Sol-gel Materials as Interface Materials; 2.7 Conclusions; References; Chapter 3: Femtosecond Laser Texturing of Bio-based Polymer Films for Surface Functionalization; 3.1 Introduction; 3.2 Naturally Derived Biomaterials; 3.3 Surface Modification Features; 3.4 Mechanisms of Laser-tissue Interaction; 3.5 Laser-based Methods for Surface Treatment of Biomaterials; 3.6 Conclusion; Acknowledgments; References; Chapter

4: Engineered Electromagnetic Surfaces and Their Applications; 4.1 Introduction; 4.2 Impedance Boundary Condition
4.3 Metasurfaces Based on Metallic Strips
4.4 Metasurfaces Based on Circular Inclusions; 4.5 Metasurfaces Based on Crossed Dipoles; References; Chapter 5: Structural and Hydroxyapatite-like Surface Functionalization of Advanced Biomimetic Prototype Interface for RA Endoprostheses to Enhance Osteoconduction and Osteointegration; 5.1 Introduction; 5.2 Biomimetic Multi-spiked Connecting Scaffold Prototype - The Promising Breakthrough in Bone-implant Advanced Interfacing in Joint Resurfacing Endoprostheses Fixation Technique
5.3 Bioengineering Design of the MSC-scaffold Prototype, Its Additive Manufacturing and Post-SLM_processing of Bone Contacting Surfaces
5.4 Structural Pro-osteoconduction Functionalization of the MSC-scaffold Interfacing System for Biomimetic Entirely Cementless RA Endoprostheses; 5.5 Hydroxyapatite-like Functionalization of Bone Contacting Surfaces of the MSC-scaffold to Enhance Osteointegration; 5.6 Conclusions; Acknowledgments; References; Part 2: Engineering of Nanosurfaces; Chapter 6: Biosynthesis of Metal Nanoparticles and Graphene; 6.1 Introduction
6.2 Synthesis of Gold and Silver Nanoparticles Using Microorganisms
6.3 Synthesis of Gold and Silver Nanoparticles Using Fruit Extract; 6.4 Synthesis of Gold and Silver Nanoparticles Using Plant Extract; 6.5 Synthesis of Gold and Silver Nanoparticles Using Honey; 6.6 Synthesis of Gold and Silver Nanoparticles Using Animal Tissue; 6.7 Synthesis of Semiconductor Nanoparticles from Plant, Fruit Extract and Honey; 6.8 Biosynthesis of Other Nanoparticles; 6.9 Biosynthesis of Graphene; 6.10 Applications of Metal Nanoparticles and Graphene; 6.11 Future Trends and Prospects; 6.12 Conclusions
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3. Record Nr.	UNINA9910872770503321
Titolo	1996 IEEE International Conference on Acoustics, Speech and Signal Processing, ICASSP-96
Pubbl/distr/stampa	[Place of publication not identified], : IEEE, 1996
Descrizione fisica	1 online resource (6 volumes) : illustrations
Disciplina	621.48
Soggetti	Nuclear engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di contenuto	v. 1. Speech (Part I) -- v. 2. Speech (Part II), Audio and electroacoustics, Special sessions -- v. 3. Digital signal processing -- v. 4. Image and multi-dimensional signal processing -- v. 5. Statistical signal and array processing -- v. 6. Underwater acoustic signal processing, Very large scale integration for signal processing, Pattern recognition and neural networks for signal processing.