

1. Record Nr.	UNICAMPANIASUN0019954
Titolo	Prima Italia : l'arte italyca del 1. millennio a. C. : Museo Luigi Pigorini : Roma, Piazzale Marconi, n.14, EUR : 18 marzo-30 aprile 1981
Pubbl/distr/stampa	232 p. : ill. ; 24 cm
Edizione	[Roma : De Luca]
Descrizione fisica	In testa al front.: Ministero per i Beni Culturali e Ambientali, Soprintendenza speciale al Museo Preistorico ed Etnografico.
Disciplina	709.1
Soggetti	Esposizioni - Roma - 1981 Arte antica - Italia - Sec. 11-1 a.C - Esposizioni - 1981
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910137713703321
Titolo	Peptic ulcer disease // Edited by Jianyuan Chai
Pubbl/distr/stampa	Rijeka, Croatia : , : InTech, , [2011] ©2011
ISBN	953-51-6776-6
Descrizione fisica	1 online resource (502 pages) : illustrations
Disciplina	616.343
Soggetti	Peptic ulcer
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.

3. Record Nr.	UNINA9910813110903321
Titolo	Active plasmonics and tuneable plasmonic materials // edited by Anatoly V. Zayats, Stefan Maier
Pubbl/distr/stampa	Hoboken, N.J., : Wiley ; Science Wise Publishing, c2013
ISBN	9781118634394 111863439X 9781118634424 111863442X 9781118634455 1118634454
Edizione	[1st ed.]
Descrizione fisica	1 online resource (336 pages)
Collana	A Wiley-Science Wise Co-Publication
Classificazione	SCI074000
Altri autori (Persone)	ZayatsA. V (Anatoly V.) MaierStefan A
Disciplina	530.4/4
Soggetti	Plasmons (Physics) Metamaterials
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 at the end of each chapters.
Nota di contenuto	Active Plasmonics and Tuneable Plasmonic Metamaterials; Contents; Preface; Contributors; 1 Spaser, Plasmonic Amplification, and Loss Compensation; 1.1 Introduction to Spasers and Spasing; 1.2 Spaser Fundamentals; 1.2.1 Brief Overview of the Latest Progress in Spasers; 1.3 Quantum Theory of Spaser; 1.3.1 Surface Plasmon Eigenmodes and Their Quantization; 1.3.2 Quantum Density Matrix Equations (Optical Bloch Equations) for Spaser; 1.3.3 Equations for CW Regime; 1.3.4 Spaser operation in CW Mode; 1.3.5 Spaser as Ultrafast Quantum Nanoamplifier 1.3.6 Monostable Spaser as a Nanoamplifier in Transient Regime 1.4 Compensation of Loss by Gain and Spasing; 1.4.1 Introduction to Loss Compensation by Gain; 1.4.2 Permittivity of Nanoplasmonic Metamaterial; 1.4.3 Plasmonic Eigenmodes and Effective Resonant Permittivity of Metamaterials; 1.4.4 Conditions of Loss Compensation by Gain and Spasing; 1.4.5 Discussion of Spasing and Loss Compensation by Gain; 1.4.6 Discussion of Published Research on

Spasing and Loss Compensations; Acknowledgments; References; 2 Nonlinear Effects in Plasmonic Systems; 2.1 Introduction  
2.2 Metallic Nonlinearities-Basic Effects and Models2.2.1 Local Nonlinearity-Transients by Carrier Heating; 2.2.2 Plasma Nonlinearity-The Ponderomotive Force; 2.2.3 Parametric Process in Metals; 2.2.4 Metal Damage and Ablation; 2.3 Nonlinear Propagation of Surface Plasmon Polaritons; 2.3.1 Nonlinear SPP Modes; 2.3.2 Plasmon Solitons; 2.3.3 Nonlinear Plasmonic Waveguide Couplers; 2.4 Localized Surface Plasmon Nonlinearity; 2.4.1 Cavities and Nonlinear Interactions Enhancement; 2.4.2 Enhancement of Nonlinear Vacuum Effects; 2.4.3 High Harmonic Generation  
2.4.4 Localized Field Enhancement Limitations2.5 Summary; Acknowledgments; References; 3 Plasmonic Nanorod Metamaterials as a Platform for Active Nanophotonics; 3.1 Introduction; 3.2 Nanorod Metamaterial Geometry; 3.3 Optical Properties; 3.3.1 Microscopic Description of the Metamaterial Electromagnetic Modes; 3.3.2 Effective Medium Theory of the Nanorod Metamaterial; 3.3.3 Epsilon-Near-Zero Metamaterials and Spatial Dispersion Effects; 3.3.4 Guided Modes in the Anisotropic Metamaterial Slab; 3.4 Nonlinear Effects in Nanorod Metamaterials  
3.4.1 Nanorod Metamaterial Hybridized with Nonlinear Dielectric3.4.2 Intrinsic Metal Nonlinearity of Nanorod Metamaterials; 3.5 Molecular Plasmonics in Metamaterials; 3.6 Electro-Optical Effects in Plasmonic Nanorod Metamaterial Hybridized with Liquid Crystals; 3.7 Conclusion; References; 4 Transformation Optics for Plasmonics; 4.1 Introduction; 4.2 The Conformal Transformation Approach; 4.2.1 A Set of Canonic Plasmonic Structures; 4.2.2 Perfect Singular Structures; 4.2.3 Singular Plasmonic Structures; 4.2.3.1 Conformal Mapping of Singular Structures  
4.2.3.2 Conformal Mapping of Blunt-Ended Singular Structures

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Sommario/riassunto

This book, edited by two of the most respected researchers in plasmonics, gives an overview of the current state in plasmonics and plasmonic-based metamaterials, with an emphasis on active functionalities and an eye to future developments. This book is multifunctional, useful for newcomers and scientists interested in applications of plasmonics and metamaterials as well as for established researchers in this multidisciplinary area.

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