

1. Record Nr.	UNINA9910130960903321
Autore	Hau-Riege Stefan P.
Titolo	High-intensity X-rays - interaction with matter : processes in plasmas, clusters, molecules, and solids // Stefan P. Hau-Riege
Pubbl/distr/stampa	Weinheim : , : Wiley-VCH, , [2011] ©2011
ISBN	3-527-63638-2 3-527-63637-4 3-527-63636-6
Descrizione fisica	1 online resource (521 p.)
Disciplina	539.7222
Soggetti	X-rays - Scattering Materials - Effect of radiation on X-ray microanalysis Electronic books.
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	Cover; Half Title page; Title page; Copyright; Dedication; Preface; Chapter 1: Introduction; 1.1 Examples for the Application of X-Ray-Matter Interaction; 1.2 Electromagnetic Spectrum; 1.3 X-Ray Light Sources; 1.4 Fundamental Models to Describe X-Ray-Matter Interaction; 1.5 Introduction to X-Ray-Matter Interaction Processes; 1.6 Databases Relevant to Photon-Matter Interaction; References; Chapter 2: Atomic Physics; 2.1 Atomic States; 2.2 Atomic Processes; 2.3 Effect of Plasma Environment; References; Chapter 3: Scattering of X-Ray Radiation; 3.1 Scattering by Free Charges 3.2 Scattering by Atoms and Ions 3.3 Scattering by Gases, Liquids, and Amorphous Solids; 3.4 Scattering by Plasmas; 3.5 Scattering by Crystals; References; Chapter 4: Electromagnetic Wave Propagation; 4.1 Electromagnetic Waves in Matter; 4.2 Reflection and Refraction at Interfaces; 4.3 Reflection by Thin Films, Bilayers, and Multilayers; 4.4 Dispersive Interaction of Wavepackets with Materials; 4.5 Kramers-Kronig Relation; References; Chapter 5: Electron Dynamics; 5.1 Transition of Solids into Plasmas; 5.2 Directional Emission of

Photoelectrons; 5.3 Electron Scattering
5.4 Energy Loss Mechanisms 5.5 Electron Dynamics in Plasmas; 5.6
Statistical Description of Electron Dynamics; 5.7 Bremsstrahlung
Emission and Inverse Bremsstrahlung Absorption; 5.8 Charge Trapping
in Small Objects; References; Chapter 6: Short X-Ray Pulses; 6.1
Characteristics of Short X-Ray Pulses; 6.2 Generating Short X-Ray
Pulses; 6.3 Characterizing Short X-Ray Pulses; 6.4 Characteristic Time
Scales in Matter; 6.5 Short-Pulse X-Ray-Matter Interaction Processes;
6.6 Single-Pulse X-Ray Optics; References; Chapter 7: High-Intensity
Effects in the X-Ray Regime
7.1 Intensity and Electric Field of Intense X-Ray Sources 7.2 High-X-
Ray-Intensity Effects in Atoms; 7.3 Nonlinear Optics; 7.4 High-Intensity
Effects in Plasmas; 7.5 High-Field Physics; References; Chapter 8:
Dynamics of X-Ray-Irradiated Materials; 8.1 X-Ray-Matter Interaction
Time Scales; 8.2 The Influence of X-Ray Heating on Absorption; 8.3
Thermodynamics of Phase Transformation; 8.4 Ablation; 8.5 Intensity
Dependence of X-Ray-Matter Interaction; 8.6 X-Ray-Induced
Mechanical Damage; 8.7 X-Ray Damage in Inertial Confinement Fusion;
8.8 X-Ray Damage in Semiconductors
8.9 Damage to Biomolecules in X-Ray Imaging References; Chapter 9:
Simulation of X-Ray-Matter Interaction; 9.1 Models for Different Time-
and Length Scales; 9.2 Atomistic Models; 9.3 Statistical Kinetics
Models; 9.4 Hydrodynamic Models; References; Chapter 10: Examples
of X-Ray-Matter Interaction; 10.1 Interaction of Intense X-Ray
Radiation with Atoms and Molecules; 10.2 Interaction of Intense X-Ray
Pulses with Atomic Clusters; 10.3 Biological Imaging; 10.4 X-Ray
Scattering Diagnostics of Dense Plasmas; References; Index

Sommario/riassunto

"Filling the need for a book bridging the effect of matter on X-ray radiation and the interaction of x-rays with plasmas, this monograph provides comprehensive coverage of the topic. As such, it presents and explains such powerful new X-ray sources as X-ray free-electron lasers, as well as short pulse interactions with solids, clusters, molecules, and plasmas, and X-ray matter interactions as a diagnostic tool"--Back cover.

2. Record Nr.	UNISA996391293703316
Titolo	Two famous sea-fights. Lately made, betwixt the fleets of the King of Spaine, and the fleets of the Hollanders [[electronic resource]] : The one, in the West-Indyes: the other, the eight of this present moneth of February, betwixt Callis and Gravelin. In the former, the Hollander suffered. In the latter the Spaniard lost. Two relations not vnfit for these times to animate noble spirits to attempt and accomplish brave actions
Pubbl/distr/stampa	London, : Printed [by Bernard Alsop and Thomas Fawcet] for Nath : Butter and Nic : Bourne, with priviledge, 1639
Descrizione fisica	[16] p
Soggetti	Naval battles - West Indies Naval battles - Netherlands Netherlands History Wars of Independence, 1556-1648 Early works to 1800
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	The first relation is a translation of: Relacion verdadera, de la gran vitoria que han alcanzado en el Brasil la gente de la Baia de Todos Santos contra los Olandeses. Printers' names from STC. Signatures: A-B. Running title reads: A relation of two famous sea-fights. Reproduction of the original in the Folger Shakespeare Library.
Sommario/riassunto	eebo-0055

3. Record Nr.	UNINA9910254752503321
Autore	Joshi Bipin
Titolo	Beginning SOLID Principles and Design Patterns for ASP.NET Developers [[electronic resource]] / by Bipin Joshi
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2016
ISBN	1-4842-1848-5
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (415 p.)
Collana	Expert's Voice in .Net Development
Disciplina	004
Soggetti	Microsoft software Microsoft .NET Framework Computer programming Microsoft and .NET Programming Techniques
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	1: Overview of SOLID Principles and Design Patterns -- 2: SOLID Principles -- 3: Creational Patterns - Singleton, Factory Method and Prototype -- 4: Creational Patterns - Abstract Factory and Builder -- 5: Structural Patterns - Adapter, Bridge, Composite and Decorator -- 6: Structural Patterns - Façade, Flyweight and Proxy -- 7: Behavioral Patterns - Chain of Responsibility, Command, Interpreter and Iterator -- 8: Behavioral Patterns - Mediator, Memento and Observer -- 9: Behavioral Patterns - State, Strategy, Template Method and Visitor.-10: Patterns of Enterprise Application Architecture – Repository, Unit of Work, Lazy Load and Service Layer.-11: JavaScript Code Organization Techniques and Patterns.
Sommario/riassunto	This book teaches you all the essential knowledge required to learn and apply time-proven SOLID principles of object-oriented design and important design patterns in ASP.NET 5 (recently renamed ASP.NET Core 1.0) applications. You will learn to write server-side as well as client-side code that makes use of proven practices and patterns. SOLID is an acronym used to describe five basic principles of good object-oriented design--Single Responsibility, Open/Closed, Liskov Substitution, Interface Segregation and Dependency Inversion. This

book covers all five principles and illustrates how they can be used in ASP.NET 5 applications. Design Patterns are time proven solutions to commonly occurring software design problems. The most well-known catalog of design patterns comes from Erich Gamma, Richard Helm, Ralph Johnson and John Vlissides, the so-called GoF patterns (Gang of Four patterns). This book contains detailed descriptions of how to apply Creational, Structural and Behavioral GoF design patterns along with some Patterns of Enterprise Application Architecture. Popular JavaScript patterns are covered, along with working examples of all these patterns in ASP.NET 5 and C# are included. In this book, you'll learn:

- How to apply SOLID principles to ASP.NET 5 applications
- How to use Gang of Four (GoF) design patterns in ASP.NET 5 applications
- Techniques for applying Patterns of Enterprise Application Architecture cataloged by Martin Fowler in ASP.NET 5 applications
- How to organize code and apply design patterns in JavaScript.

4. Record Nr.	UNINA9910697666003321
Titolo	Reforming diesel fuel to hydrogen [[electronic resource]]
Pubbl/distr/stampa	[Idaho Falls, Idaho] : , : Idaho National Laboratory, , [2005?]
Descrizione fisica	2 unnumbered pages : digital, PDF file
Collana	[Fact sheet]
Soggetti	Hydrogen as fuel - Technological innovations Fuel cells - Technological innovations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Oct. 7, 2008). "05-GA50193-75."