1. Record Nr. UNISALENTO991003235249707536

Titolo	Supramolecular photosensitive and electroactive materials [e-book] / edited by Hari Singh Nalwa
Pubbl/distr/stampa	San Diego, CA : Academic Press, 2001
ISBN	9780125139045 0125139047
Descrizione fisica	xxiii, 970 p. : ill. ; 24 cm
Altri autori (Persone)	Nalwa, Hari Singh, 1954-
Disciplina	621.360284
Soggetti	Phthalocyanins - Optical properties Phthalocyanins - Electric properties Electronic books.
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	Phthalocyanines: Synthesis, Supramolecular -- Organization, and Physical Properties -- Sandwich-Type Phthalocyaninato and Porphyrinato -- Metal Complexes -- Electronic Properties of Molecular Organic -- Semiconductor Thin Films -- Polydiacetylenes -- Structural and Optical Properties of Conjugated -- Molecules in Perhydrotriphenylene (PHTP) and in -- Other Channel-Forming Inclusion Compounds -- Charge Transfer Properties of Photosynthetic and -- Respiratory Proteins -- Optical and Electronic Properties of Carbon Nitride -- Polyimides for Microelectronics and Tribology -- Applications -- Anomalous Charge Transport and Polarization in -- Semiconductors Oxides and Porous Film Electrodes -- Electroactive and Photoactive Dendrimers -- Electrical Properties of Organic Monolayer Films
Sommario/riassunto	In the last decade, much progress has been made in these materials. This book presents a highly coherent coverage of supramolecular, photosensitive and electroactive materials, namely those that have been extensively investigated for applications in fields of electronic and photonic technologies. This extensive reference provides broad coverage of on different types of materials, their processing, spectroscopic characterization, physical properties and device

applications. The implications reach from molecular recognition in synthetic and natural complexes to exciting new applications in chemical technologies, materials, nanostructures, functional materials, new generation catalysts, signal transducers, medical and biomedical applications and novel separation techniques. All these applications rely on supramolecular properties such as molecular recognition, molecular information, and tailored molecular assemblies. This book is aimed to present a highly coherent coverage of supramolecular, photosenstive and electroactive materials and their applications in electronic and photonic technologies. The research behind these materials constitute some of the most actively pursued fields of science. Key Features * Covers supramolecular photosensitive and electroactive materials * Provides recent developments on metallophthalocyanines and polydiacetylenes * Include various types of supramolecular materials, their processing, fabrication, physical properties and device applications * Role of polyimides in microelectronic and tribology * Describes Photosynthetic and respiratory proteins, Dendrimers * A very special topic presented in a timely manner and in a format

2. Record Nr. UNINA9910818693703321

Autore	Savill John
Titolo	Mastering hyper-V 2012 R2 with system center and windows azure / / John Savill ; acquisitions editor, Mariann Barsolo ; development editor, Kim Beaudet ; technical editor, Sean Deuby ; book designers, Maureen Forys, Judy Fung
Pubbl/distr/stampa	Indianapolis, Indiana : , : Wiley, , 2014 ©2014
ISBN	1-118-82833-X 1-118-82815-1
Descrizione fisica	1 online resource (578 p.)
Disciplina	005.4476
Soggetti	Application software - Design Cloud computing Web services Workflow management systems - Computer programs
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Title Page; Copyright; Contents; Chapter 1 Introduction to Virtualization and Microsoft Solutions; The Evolution of the Datacenter; One Box, One Operating System; How Virtualization Has Changed the Way Companies Work and Its Key Values; History of Hyper-V; Windows Server 2008 Hyper-V Features; Windows Server 2008 R2 Changes; Windows Server 2008 R2 Service Pack 1; Windows Server 2012 Hyper-V Changes; Windows Server 2012 R2; Licensing of Hyper-V; One Operating System (Well, Two, but Really One); Choosing the Version of Hyper-V; The Role of System Center with Hyper-V System Center Configuration ManagerSystem Center Virtual Machine Manager and App Controller; System Center Operations Manager; System Center Data Protection Manager; System Center Service Manager; System Center Orchestrator; Clouds and Services; The Bottom Line; Chapter 2 Virtual Machine Resource Fundamentals; Understanding VMBus; The Anatomy of a Virtual Machine; Generation 1 Virtual Machine; Generation 2 Virtual Machine; Processor Resources; Virtual

Processor to Logical Processor Scheduling; Processor Assignment; NUMA Support; Memory Resources; Virtual Storage; VHD; VHDX Creating a Virtual Hard DiskPass-Through Storage; The Bottom Line; Chapter 3 Virtual Networking; Virtual Switch Fundamentals; Three Types of Virtual Switch; Creating a Virtual Switch; Extensible Switch; VLANs and PVLANS; Understanding VLANs; VLANs and Hyper-V; PVLANs; How SCVMM Simplifies Networking with Hyper-V; SCVMM Networking Architecture; Deploying Networking with SCVMM 2012 R2; Network Virtualization; Network Virtualization Overview; Implementing Network Virtualization; Useful Network Virtualization Commands; Network Virtualization Gateway; Summary; VMQ, RSS, and SR-IOV; SR-IOV; DVMQ
RSS and vRSSNIC Teaming; Host Virtual Adapters and Types of Networks Needed in a Hyper-V Host; Types of Guest Network Adapters; Monitoring Virtual Traffic; The Bottom Line; Chapter 4 Storage Configurations; Storage Fundamentals and VHDX; Types of Controllers; Common VHDX Maintenance Actions; Performing Dynamic VHDX Resize; Storage Spaces and Windows as a Storage Solution; Server Message Block (SMB) Usage; SMB Technologies; Using SMB for Hyper-V Storage; iSCSI with Hyper-V; Using the Windows iSCSI Target; Using the Windows iSCSI Initiator; Considerations for Using iSCSI Understanding Virtual Fibre ChannelLeveraging Shared VHDX; Data Deduplication and Hyper-V; Storage Quality of Service; SAN Storage and SCVMM; The Bottom Line; Chapter 5 Managing Hyper-V; Installing Hyper-V; Using Configuration Levels; Enabling the Hyper-V Role; Actions after Installation of Hyper-V; Deploying Hyper-V Servers with SCVMM; Hyper-V Management Tools; Using Hyper-V Manager; Core Actions Using PowerShell; Securing the Hyper-V Server; Creating and Managing a Virtual Machine; Creating and Using Hyper-V Templates; Hyper-V Integration Services and Supported Operating Systems Migrating Physical Servers and Virtual Machines to Hyper-V Virtual Machines

Sommario/riassunto

This book will help you understand the capabilities of Microsoft Hyper-V, architect a Hyper-V solution for your datacenter, plan a deployment/migration, and then manage it all using native tools and System Center. Coverage also includes hybrid cloud scenarios specifically with Windows Azure to complete the full virtualization piece of providing data both on premise and off premise. In addition, you will explore the Windows Azure capabilities for virtual machines and managing a hybrid cloud, including Windows Azure's Internet as a Service (IaaS) and storage capabilities, how seamless m