1. Record Nr. UNIBAS000029118

Autore	Masters, John
Titolo	Fandango Rock / John Masters
Pubbl/distr/stampa	New York : Harper & Brothers, c1959
Descrizione fisica	371 p. ; 22 cm
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910784607103321

Titolo	Energy harvesting materials [[electronic resource] /] / edited by David L. Andrews
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific Pub. Co., c2005
ISBN	1-281-88115-5 9786611881153 981-270-095-1 1-60119-268-1
Descrizione fisica	1 online resource (400 p.)
Classificazione	42.42
Altri autori (Persone)	AndrewsDavid L. <1952->
Disciplina	621.47/2
Soggetti	Energy harvesting Solar collectors - Materials Solar energy Photochemistry
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.
Nota di contenuto	Preface; Contents; Physical Principles of Efficient Excitation Transfer in Light Harvesting; 1. INTRODUCTION; 2. PRINCIPLES OF EXCITATION TRANSFER; 3. EXCITATION LIFETIME AND QUANTUM YIELD; 4.

REPRESENTATIVE PATHWAYS OF EXCITATION TRANSFER BASED ON MEAN FIRST PASSAGE TIMES; 5. SOJOURN EXPANSION: AN EXPANSION FOR EXCITATION MIGRATION IN TERMS OF REPEATED DETRAPPING EVENTS; 6. ROBUSTNESS AND OPTIMALITY OF A LIGHT HARVESTING SYSTEM; 7. PRINCIPLES FOR DESIGNING ARTIFICIAL LIGHT-HARVESTING SYSTEMS; ACKNOWLEDGMENTS; Design and Synthesis of Light Energy Harvesting Proteins
1. ENGINEERING INSIGHTS FROM NATURAL PHOTOSYSTEM DESIGN 2. DESIGNING LHC PROTEIN MAQUETTES; 3. CONCLUSIONS AND PROSPECTS; ACKNOWLEDGMENTS; How Purple Bacteria Harvest Light Energy; 1. INTRODUCTION; 2. GENERAL ASPECTS OF ANTENNA COMPLEX STRUCTURE; 3. THE STRUCTURE OF LH2; 4. THE STRUCTURE OF THE RC-LH1 CORE COMPLEX; 5. ENERGY TRANSFER WITHIN THE PSU; 6. CONCLUSION; ACKNOWLEDGMENTS; Regulation of Light Harvesting in Photosystem II of Plants Green Algae and Cyanobacteria; 1. INTRODUCTION; 2. COMPOSITION STRUCTURE AND FUNCTION OF LIGHT HARVESTING COMPLEXES; 3. EXCITATION PRESSURE AND PHOTOSTASIS
4. ROLE OF LIGHT HARVESTING IN PHOTOPROTECTION AND PHOTOSTASIS5. NUTRIENT LIMITATIONS; 6. SENSING CELLULAR ENERGY IMBALANCE AND REGULATION OF LIGHT HARVESTING; ACKNOWLEDGEMENTS; From Biological to Synthetic Light-Harvesting Materials - The Elementary Steps; 1. INTRODUCTION; 2. PHOTOSYNTHEHC LIGHT-HARVESTING - ENERGY TRANSFER AND TRAPPING; 3. ORGANIC CONDUCTING POLYMERS: LIGHT HARVESTING AND GENERATION; 4. DYE-SENSITIZED NANOSTRUCTURED SEMI-CONDUCTORS - ENERGY CONVERSION BY ULTRAFAST ELECTRON TRANSFER; 5. TRANSITION METAL SUPRAMOLECULAR COMPLEXES - ENERGY TRANSFER IN ARTIFICIAL ANTENNAS
ACKNOWLEDGEMENTS Controlling Excitation Energy and Electron Transfer by Tuning the Electronic Coupling; 1. INTRODUCTION; 2. THEORETICAL BACKGROUND; 3. DONOR-BRIDGE-ACCEPTOR SYSTEMS WITH TT-BRIDGES; 4. o-BRIDGES AND SUPEREXCHANGE - THE THROUGH-BOND COUPLING MECHANISM.; 5. CONCLUSIONS; Energy Transfer and Trapping in Engineered Macromolecules; 1. INTRODUCTION; 2. EXPERIMENTAL DETAILS; 3. ENGINEERED POLYMER SYSTEMS; 4. CONCLUSIONS; ACKNOWLEDGMENTS; Dendrimer-Based Devices: Antennae and Amplifiers; 1. INTRODUCTION; 2. DENDRIMERS AS LIGHT HARVESTING ANTENNAE; 3. DENDRIMERIC AMPLIFIERS Energy Harvesting in Synthetic Dendritic Materials 1. INTRODUCTION; 2. METAL-CONTAINING DENDRIMERS; 3. PHENYLACETYLENE DENDRIMERS; 4. DENDRIMERS CONTAINING DISTYRYLBENZENE OR STILBENE UNITS; 5. PORPHYRIN-CONTAINING DENDRIMERS; 6. COUMARIN DYE LABELED POLY(ARYLETHER) DENDRIMERS; 7. TWO-PHOTON LIGHT HARVESTING AND ENERGY TRANSFER; 8. POLYPHENYLENE DENDRIMERS; 9. ENERGY TRANSFER TO ENCAPSULATED GUESTS; 10. CONCLUSION; ACKNOWLEDGEMENTS; Fullerenes in Biomimetic Donor-Acceptor Networks; 1. INTRODUCTION; 2. HYDROGEN BONDING MOTIFS; 3. II-STACK MOTIFS; 4. CROWN ETHER COMPLEXATION MOTIFS
5. METAL MEDIATED MOTIFS

Sommario/riassunto

The science of energy harvesting materials is experiencing phenomenal growth and attracting huge interest. Exploiting recently acquired insights into the fundamental mechanisms and principles of photosynthesis, it is now possible to forge entirely new and distinctive molecular materials and devise artificial photosystems and applications far remote from conventional solar cell technology. In this comprehensive treatment of energy harvesting, a team of internationally acclaimed scientists at the forefront of the subject paint

	a state-of-the-art picture of modern energy harvesting materials science

3. Record Nr. UNINA9910778243203321

Titolo	Lectura Dantis [[electronic resource]] : Purgatorio / / edited by Allen Mandelbaum, Anthony Oldcorn, Charles Ross
Pubbl/distr/stampa	Berkeley, : University of California Press, 2008
ISBN	1-282-36017-5 0-520-94052-0 9786612360176 1-4356-3039-4
Descrizione fisica	1 online resource (430 p.)
Collana	Lectura Dantis
Altri autori (Persone)	MandelbaumAllen <1926-2011.> OldcornAnthony RossCharles
Disciplina	851/.1
Soggetti	Italian literature
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	Front matter -- CONTENTS -- Canto I. Ritual and Story -- Canto II. The New Song and the Old -- Canto III. The Sheepfold of the Excommunicates -- Canto IV. The Lute Maker -- Canto V. The Keys to Purgatory -- Canto VI. Abject Italy -- Canto VII. Sordello and the Catalog of Princes -- Canto VIII. In the Valley of the Rulers -- Canto IX. The Ritual Keys -- Canto X. The Art of God -- Canto XI. Gone with the Wind -- Canto XII. Eyes Down -- Canto XIII. Among the Envious -- Canto XIV. The Rhetoric of Envy -- Canto XV. Virtual Reality -- Canto XVI. A World of Darkness and Disorder -- Canto XVII. On Revenge -- Canto XVIII. Love, Free Will, and Sloth -- Canto XIX. Vectors of Human Love -- Canto XX. Hugh Capet and the Avarice of Kings -- Canto XXI. Greeting Statius -- Canto XXII. Virgil and Statius Discourse -- Canto XXIII. Reading Literary and Ethical Choices -- Canto XXIV. Of Poetry and Politics -- Canto XXV. Statius's Marvelous Connection of Things --

Canto XXVI. The Fires of Lust and Poetry -- Canto XXVII. At the Threshold of Freedom -- Canto XXVIII. Watching Matilda -- Canto XXIX. Dante's Processional Vision -- Canto XXX. At the Summit of Purgatory -- Canto XXXI. Dante's Repentance -- Canto XXXII. The Parallel Histories -- Canto XXXIII. Beatrice's Prophecy, Matilda's Name, and the Pilgrim's Renewal -- CONTRIBUTORS -- INDEX

Sommario/riassunto

This new critical volume, the second to appear in the three-volume Lectura Dantis, contains expert, focused commentary on the Purgatorio by thirty-three international scholars, each of whom presents to the nonspecialist reader one of the cantos of the transitional middle cantica of Dante's unique Christian epic. The cast of characters is as colorful as before, although this time most of them are headed for salvation. The canto-by-canto commentary allows each contributor his or her individual voice and results in a deeper, richer awareness of Dante's timeless aspirations and achievements.