1. Record Nr. UNINA9910454817803321

Autore	Irvine Leslie
Titolo	Filling the ark [[electronic resource]] : animal welfare in disasters / / Leslie Irvine
Pubbl/distr/stampa	Philadelphia, : Temple University Press, 2009
ISBN	1-282-11560-X 9786612115608 1-59213-836-5
Descrizione fisica	1 online resource (166 pages)
Collana	Animals and ethics
Disciplina	179/.3
Soggetti	Animal welfare - United States Animal rescue - United States Disaster relief - United States Hurricane Katrina, 2005 Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (p. [143]-159) and index.
Nota di contenuto	Companion animals -- Animals on factory farms -- Birds and marine wildlife -- Animals in research facilities -- Noah's task.
Sommario/riassunto	When disasters strike, people are not the only victims. Hurricane Katrina raised public attention about how disasters affect dogs, cats, and other animals considered members of the human family. In this book, noted sociologist Leslie Irvine goes beyond Katrina to examine how disasters like oil spills, fires, and other calamities affect various animal populations - on factory farms, in research facilities, and in the wild." "Filling the Ark argues that humans cause most of the risks faced by animals and urges better decisions about the treatment of animals in disasters. Furthermore, it makes a broad appeal for the ethical necessity of better planning to keep animals out of jeopardy. Irvine not only offers policy recommendations and practical advice for evacuating animals, she also makes a strong case for rethinking our use of animals, suggesting ways to create more secure conditions.

2. Record Nr. UNINA9910788957603321

Titolo	Advances in multi-photon processes and spectroscopy [[electronic resource] /] / edited by S.H. Lin, A.A. Villaeys, Y. Fujimura
Pubbl/distr/stampa	Singapore, : World Scientific, 2011
ISBN	1-283-43377-X 9786613433770 981-4343-99-4
Descrizione fisica	1 online resource (259 p.)
Collana	Advances in multi-photon processes and spectroscopy ; ; v. 20
Altri autori (Persone)	LinS. H <1937-> (Sheng Hsien) VillaeysA. A FujimuraY (Yuichi)
Disciplina	543.0858 543.5 543/.0858
Soggetti	Multiphoton processes Spectrum analysis Laser spectroscopy Molecular spectra
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	CONTENTS; 1. Wave Packet Analysis of Femtosecond Stimulated Raman Spectroscopy K. Niu, B. Zhao, Z. Sun and Soo-Y. Lee; 1. Introduction; 2. Theory; 2.1 Coupled wave theory of FSRS and its limitations; 2.2 Quantum theory of FSRS; 3. Applications, Results and Discussion; 3.1 Analytic results for FSRS from a stationary state with polyatomic harmonic potentials; 3.2 Application to FSRS of Rhodamine 6G; 3.3 Application to the FSRS from a coherent vibrational state of CDCl 3; 3.3.1 Direct fifth-order process; 3.3.2 Cascade processes; 3.3.3 Direct fifth-order and cascade results of CDCl 3 4. Conclusion and outlookAcknowledgements; References; 2. Field-Free Molecular Alignment by Two Femosecond Laser Pulses Chengyin Wu, Hongbing Jiang and Qihuang Gong; 1. Introduction; 2. Theory; 2.1 Creation of rotational wavepacket; 2.2 Characterization of rotational wavepacket; 2.3 Control of rotational wavepacket; 3. Experimental

Method; 4. Results and Discussion; 4.1 Manipulation of alignment structures; 4.2 Enhancement of molecular alignment; 4.3 Control of molecular population; 5. Applications of Field-Free Aligned Molecules - Frequency Tuning of Few Cycle Femtosecond Laser Pulses
5.1 Parameters5.2 Simulation; 6. Conclusions; Acknowledgements; References; 3. High-Order Harmonic Generation from C60 Fullerene Plasma T. Ozaki; 1. Introduction; 2. Experimental Set-up; 3. Results and Discussion; 3.1 Observation of high-order harmonics from C fullerenes; 3.2 Influence of various experimental parameters on the HHG efficiency in fullerene plasma; 3.3 Simulations of harmonic spectra from C fullerenes; 3.4 Discussions; 4. Conclusions; References
4. Attosecond Pulse Generation, Characterization and Application Shouyuan Chen, Steve Gilbertson, He Wang, Michael Chini, Kun Zhao, Sabih Khan, Yi Wu, and Zenghu Chang1. Introduction; 2. Ultrafast Laser Development and CE Phase Stabilization for Attosecond Pulse Generation; 2.1 CE phase drift caused by the grating drift in stretcher and compressor; 2.2 CE phase stabilization of multi-pass and regenerative amplifiers; 3. Attosecond Gating Technology; 3.1 Two-color gating; 3.2 Polarization gating; 3.3 Double optical gating; 3.4 Generalized double optical gating; 3.5 DOG and GDOG optics
4. Attosecond Pulse Measurement and Characterization4.1 Attosecond streak camera; 4.2 Frequency-resolved optical gating for complete reconstruction of attosecond bursts; 4.3 Phase retrieval by omega oscillation filtering; 5. Application of Attosecond Pulse; 5.1 Study of Helium autoionization by attosecond streaking; 5.2 Time resolved spectroscopy study of Argon; 6. Summary and Outlook; References; 5. Near-Field Imaging of Optical-Field Structures and Plasmon Wave Functions in Metal Nanostructures Hiromi Okamoto and Kohei Imura; 1. Introduction
2. What can be Observed by Near-Field Optical Imaging?

Sommario/riassunto

This book presents the latest developments and issues in both experimental and theoretical studies of multi-photon processes and the spectroscopy of atoms, molecules and nanomaterials in Physics, Chemistry, Biology and Material Science. It is an important addition to an advanced series that contains review papers suitable for both active researchers in these areas and non-experts who wish to enter the field. Special attention is paid to the recent progress of nonlinear photon-matter interactions applied to femtosecond laser induced nonadiabatic molecular alignment, high-order harmonic generati