1. Record Nr. UNINA9910973712403321

Titolo	China and global change : opportunities for collaboration
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1992
ISBN	9786610196456 9781280196454 1280196459 9780309572934 0309572932 9780585085517 058508551X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (240 p.)
Disciplina	363.7/00951
Soggetti	Climatic changes - China Climatic changes - Research - China Environmental policy - China Environmental policy - International cooperation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Panel on Global Climate Change Sciences in China. Committee on Scholarly Communication with the People's Republic of China. Office of International Affairs. National Research Council."
Nota di bibliografia	Includes bibliographical references (p. 125-132) and index.
Nota di contenuto	""China and Global Change""; ""Copyright""; ""Preface""; ""Contents""; ""Executive Summary""; ""INTRODUCTION""; ""Purpose""; ""CHINA'S VIEW OF GLOBAL CHANGE""; ""CHINESE GLOBAL CHANGE PROGRAM""; ""Chinese National Committee for the IGBP""; ""Chinese National Climate Committee""; ""ORGANIZATION OF CHINESE SCIENCE""; ""CHINESE PARTICIPATION IN INTERNATIONAL GLOBAL CHANGE PROGRAMS""; ""International Global Atmospheric Chemistry Project""; ""Past Global Changes""; ""Global Change and Terrestrial Ecosystems"" ""Biospheric Aspects of the Hydrological Cycle and Global Energy and Water Cycle Experiment""""Programs on Marine Environments""; ""Global Analysis, Interpretation, and Modeling""; ""System for Analysis, Research, and Training""; ""Data and Information Systems for the IGBP""; ""Human Dimensions of Global Environmental Change Program"";

""Chinese Ecological Research Network""; ""SELECTED TOPICS""; ""Atmospheric Chemistry""; ""Trace Gases and Oxidants""; ""Aerosols""; ""Stratospheric O3""; ""Atmospheric Deposition""; ""Physical and Ecological Interactions of the Atmosphere and Land Surface""
""Hydrology""""Biotic Controls on Trace Gases""; ""Climate Change Effects on Land Cover Change Dynamics""; ""SUMMARY""; ""1 Introduction ""; ""CHINA'S ROLE IN GLOBAL ENVIRONMENTAL CHANGE""; ""PURPOSE AND STRUCTURE OF THE STUDY""; ""Background""; ""Purpose""; ""Committee Charge""; ""Methodology""; ""Report Format""; ""NOTES""; ""2 China's Responses to Global Change ""; ""CHINA'S VIEW OF GLOBAL CHANGE""; ""CHINESE GLOBAL CHANGE PROGRAM""; ""Chinese National Committee for the IGBP""; ""Organization and Membership""; ""CNCIGBP Research Agenda""; ""Chinese National Climate Committee""
""Organization and Membership""""""CNCC Research Agenda""; ""Climate data""; ""Climate Research""; ""Tropical Oceans Global Atmosphere (TOGA)""; ""Climate Application""; ""Climate Impact""; ""National Climate Change Coordination Group""; ""NOTES""; ""3 Overview of Institutions Relevant to Global Change Research ""; ""ORGANIZATION""; ""FUNDING""; ""CHINESE ACADEMY OF SCIENCES""; ""NATIONAL ENVIRONMENTAL PROTECTION AGENCY""; ""NATIONAL NATURAL SCIENCE FOUNDATION OF CHINA""; ""STATE EDUCATION COMMISSION""; ""STATE ENVIRONMENTAL PROTECTION COMMISSION""; ""STATE METEOROLOGICAL ADMINISTRATION""
""STATE OCEANOGRAPHIC ADMINISTRATION""""STATE PLANNING COMMISSION""; ""STATE SCIENCE AND TECHNOLOGY COMMISSION""; ""NOTES""; ""4 Chinese Participation in International Global Change Research Programs ""; ""INTRODUCTION""; ""INTERNATIONAL GLOBAL ATMOSPHERIC CHEMISTRY PROJECT""; ""Research Highlights""; ""PAST GLOBAL CHANGES""; ""Review of CNCIGBP Literature""; ""Research Highlights""; ""Summary of PAGES Research""; ""GLOBAL CHANGE AND TERRESTRIAL ECOSYSTEMS""; ""China's Vegetation and Climate""; ""Research Highlights""; ""CAS Institute of Botany""
""CAS Shanghai Institute of Plant Physiology""

Sommario/riassunto

Given China's current and potential impacts on the global environment and the contributions Chinese science can make to global change research, China's full participation in international research programs dealing with global change is very important. This book provides insights into how research priorities are determined and detailed information about institutional infrastructure, human resources, and other factors that will constrain or facilitate Chinese responses to and research on global change issues. An overview of research relevant to the International Geosphere-Biosphere Program and the World Climate Research Program is presented. Additionally, research in certain areas of atmospheric chemistry and physical and ecological interactions of the atmosphere and land surface are explored in further detail.

2. Record Nr. UNINA9910957815303321

Autore	El Mrabet Nadia
Titolo	Guide to pairing-based cryptography / / Nadia El Mrabet, SAS, Ecole des Mines de Saint Etienne, Gardanne, France, Marc Joye, NXP Semiconductors, San Jose, USA
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , [2017] ©2017
ISBN	1-315-35314-8 1-315-37017-4 1-4987-2951-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (32 pages)
Collana	Chapman & Hall/CRC cryptography and network security issues
Disciplina	005.8/2
Soggetti	Curves, Elliptic Cryptography Sets of pairs of functions to be distinguished Data encryption (Computer science) - Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Pairing-based cryptography / Sebastien Canard and Jacques Traore? -- 2. Mathematical background / Jean-Luc Beuchat, Nadia El Mrabet, Laura Fuentes-Casta/eda, and Francisco Rodriguez-Henriquez -- 3. Pairings / Sorina Ionica and Damien Robert -- 4. Pairing-friendly elliptic curves / Safia Haloui and Edlyn Teske -- 5. Arithmetic of finite fields / Jean Luc Beuchat, Luis J. Dominguez Perez, Sylvain Duquesne, Nadia El Mrabet, Laura Fuentes-Casta/eda, and Francisco Rodriguez-Henriquez -- 6. Scalar multiplication and exponentiation in pairing groups / Joppe Bos, Craig Costello, and Michael Naehrig -- 7. Final exponentiation / Jean-Luc Beuchat, Luis J. Dominguez Perez, Laura Fuentes-Castaneda, and Francsico Rodriguez-Henriquez -- 8. Hashing into elliptic curves / Eduardo Ochoa-Jimenez, Francisco Rodriguez-Henriquez, and Mehdi Tibouchi -- 9. Discrete logarithms / Aurore Guillevic and Francois Morain -- 10. Choosing parameters / Sylvain Duquesne, Nadia El Mrabet, Safia Haloui, Damien Robert, and Franck Rondepierre -- 11. Software implementation / Diego F. Aranha, Luis J.

	Dominguez Perez, Amine Mrabet, and Peter Schwabe -- 12. Physical attacks / Nadia El Mrabet, Louis Goubin, Sylvain Guilley, Jacques Fournier, Damien Jauvart, Martin Moreau, Pablo Rauzy, and Franck Rondepierre.
Sommario/riassunto	This book is devoted to efficient pairing computations and implementations, useful tools for cryptographers working on topics like identity-based cryptography and the simplification of existing protocols like signature schemes. As well as exploring the basic mathematical background of finite fields and elliptic curves, Guide to Pairing-Based Cryptography offers an overview of the most recent developments in optimizations for pairing implementation. Each chapter includes a presentation of the problem it discusses, the mathematical formulation, a discussion of implementation issues, solutions accompanied by code or pseudocode, several numerical results, and references to further reading and notes. Intended as a self-contained handbook, this book is an invaluable resource for computer scientists, applied mathematicians and security professionals interested in cryptography.