1. Record Nr. UNINA9910788559103321

Autore	Moller Detlev
Titolo	Chemistry of the climate system / / Detlev Moller
Pubbl/distr/stampa	Berlin, [Germany] ; ; Boston, [Massachusetts] : , : De Gruyter, , 2014 ©2014
ISBN	3-11-038230-X 3-11-033194-2
Edizione	[Second fully revised and extended edition.]
Descrizione fisica	1 online resource (806 p.)
Classificazione	RB 10429
Disciplina	551.51/1
Soggetti	Atmospheric chemistry Meteorology
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 indexes.
Nota di contenuto	Front matter -- Preface -- Authors preface to the 2nd edition -- Prologue -- List of principal symbols -- Contents -- 1. Introduction -- 2. Chemical evolution -- 3. Climate, climate change and climate system -- 4. Fundamentals of physico-chemistry in the climate system -- 5. Substances and chemical reactions in the climate system -- 6. Final remark -- Appendix -- References -- Author Index -- Subject Index
Sommario/riassunto	Climate change is a major challenge facing the modern world. The chemistry of air and it's influence on the climate system forms the main focus of this monograph. The book presents a problem-based approach to presenting global atmospheric processes, evaluating the effects of changing air composition as well as possibilities for interference within these processes and indicates ways for solving the problem of climate change through chemistry. The new edition includes innovations and latest research results.