1. Record Nr. UNINA9911004844003321

Titolo	Atmospheric chemistry and global change / / edited by Guy P. Brasseur, John J. Orlando, Geoffrey S. Tyndall [[electronic resource]]
Pubbl/distr/stampa	New York, : Oxford University Press, 1999
ISBN	1-62870-846-8
Descrizione fisica	1 online resource (xviii, 654 p.) : ill. (some col.), maps (some col.) ;
Collana	Topics in environmental chemistry Atmospheric chemistry and global change Topics in environmental chemistry
Altri autori (Persone)	TyndallGeoffrey S <1955-> (Geoffrey Stuart) OrlandoJohn J <1960-> (John Joseph) BrasseurGuy P BrasseurGuy
Disciplina	551.51/1
Soggetti	Atmospheric chemistry Earth & Environmental Sciences Meteorology & Climatology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Result of a collective effort undertaken by a group of scientists at the National Center for Atmospheric Research.
Nota di bibliografia	Includes bibliographical references (p. 617-648) and index.
Nota di contenuto	; 1. Atmospheric Chemistry and the Earth System -- ; Pt. 1. Fundamentals. ; 2. Atmospheric Dynamics and Transport. ; 3. Chemical and Photochemical Processes. ; 4. Aerosols and Clouds. ; 5. Trace Gas Exchanges and Biogeochemical Cycles -- ; Pt. 2. Chemical Families. ; 6. Hydrogen Compounds. ; 7. Nitrogen Compounds. ; 8. Halogen Compounds. ; 9. Carbon-Containing Compounds. ; 10. Sulfur Compounds -- ; Pt. 3. Tools. ; 11. Observational Methods: Instruments and Platforms. ; 12. Modeling -- ; Pt. 4. Ozone, Climate, and Global Change. ; 13. Tropospheric Ozone. ; 14. Middle Atmospheric Ozone. ; 15. Atmospheric Chemistry and Climate. ; 16. Atmospheric Evolution and Global Perspective. ; App. A. Physical Constants and Other Data -- ; App. B. Units, Conversion Factors, and Multiplying Prefixes -- ; App. C. Atmospheric Parameters and Mixing Ratios of Chemical Constituents -- ; App. D. Chemical Species in the Atmosphere -- ; App. E. Rate Coefficients for Second-Order Gas-Phase Reactions

Sommario/riassunto	"Atmospheric Chemistry and Global Change presents an integrated examination of chemical processes in the atmosphere, focusing on global-scale problems and their role in the evolution of the Earth system. Taking a largely interdisciplinary approach, it features the collective efforts of a group of scientists at the National Center for Atmospheric Research (NCAR), as well as other experts from several universities and national laboratories. Ideal for graduate courses in atmospheric chemistry and atmospheric science, Atmospheric Chemistry and Global Change also serves as an authoritative and practical reference for scientists studying the Earth's atmosphere."--BOOK JACKET.