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Nota di contenuto	Acknowledgments; Contents; About the Authors; I: IMPORTANCE OF ALKANES IN ATMOSPHERIC CHEMISTRY OF THE URBAN, REGIONAL, AND GLOBAL SCALES; II: REACTIONS OF ALKANES WITH THE HYDROXYL RADICAL (OH); III: KINETICS AND MECHANISMS OF REACTIONS OF Cl, O ([sup(3)]P), NO[sub(3)], AND O[sub(3)] WITH ALKANES; IV: MECHANISMS AND END-PRODUCTS OF THE ATMOSPHERIC OXIDATION OF ALKANES; V: REACTIONS OF PRODUCTS OF ALKANE REACTIONS; VI: ATMOSPHERIC CHEMISTRY OF THE HALOALKANES; VII: THE PRIMARY PHOTOCHEMICAL PROCESSES IN THE ALKANES, THE HALOALKANES, AND SOME OF THEIR OXIDATION PRODUCTS VIII: REPRESENTATION OF THE ATMOSPHERIC CHEMISTRY OF ALKANES IN MODELSReferences; APPENDIX A: STRUCTURES OF SOME COMMON ALKANES; APPENDIX B: STRUCTURES OF SOME COMMON HALOALKANES; APPENDIX C: STRUCTURES OF SOME COMMON ATMOSPHERIC OXIDATION PRODUCTS OF THE ALKANES; Author Index; Subject Index
Sommario/riassunto	An international team of eminent atmospheric scientists have prepared Mechanisms of Atmospheric Oxidation of the Alkanes as an authoritative source of information on the role of alkanes in the chemistry of the atmosphere. The book includes the properties of the

alkanes and haloalkanes, as well as a comprehensive review and evaluation of the existing literature on the atmospheric chemistry of the alkanes and their major atmospheric oxidation products, and the various approaches now used to model the alkane atmospheric chemistry. Comprehensive coverage is given of both the unsubstituted alkanes
