Record Nr. UNINA9910455374803321 Lifetimes of fluorinated compounds [[electronic resource] /] / Kazuaki **Titolo** Tokuhashi ... [et al.] New York,: Nova Science Publishers, c2008 Pubbl/distr/stampa **ISBN** 1-60876-251-3 Descrizione fisica 1 online resource (147 p.) Altri autori (Persone) TokuhashiKazuaki Disciplina 546/.731 Soggetti Fluorine compounds - Research **Fluorides** Electronic books. 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 (p. [125]-131) and index. ""LIFETIMES OF FLUORINATED COMPOUNDS""; ""NOTICE TO THE Nota di contenuto READER""; ""CONTENTS""; ""PREFACE""; ""INTRODUCTION""; ""EXPERIMENTAL APPARATUS AND METHODS""; ""2.1. KINETIC MEASUREMENTS""; ""2.2. APPARATUS AND PROCEDURE FOR THE ABSOLUTE RATE METHOD""; ""2.3. PURIFICATION AND ANALYSIS OF FLUORINATED COMPOUNDS""; ""RESULTS OF KINETIC MEASUREMENTS""; ""3.1. DATA ANALYSIS FOR THE ABSOLUTE RATE METHOD""; ""3.2. EFFECTS OF IMPURITIES""; ""3.3. RATE CONSTANTS FOR REACTIONS OF OH RADICALS WITH FLUORINATED COMPOUNDS""; ""CHF2CI (HCFC-22)"": ""CHCl2CF3 (HCFC-123)"": ""CHFClCF2Cl (HCFC-123a)"" ""CHFCICF3 (HCFC-124)""""CH2CICF2CI (HCFC-132b)""; ""CH2CICF3 (HCFC-133a)""; ""CH2CICHFCI (HCFC-141)""; ""CH3CFCI2 (HCFC-141b)""; ""CH3CF2CI (HCFC-142b)""; ""CF3CHCICH2CI (HCFC-243db)""; ""CF3CH2CH2CI (HCFC-253fb)""; ""CH2F2 (HFC-32)""; ""CHF2CF3 (HFC-125)""; ""CH2FCF3 (HFC-134a)""; ""CH2FCHF2 (HFC-143)""; ""CH3CHF2 (HFC-152a)""; ""CF3CHFCHF2 (HFC-236ea)""; ""CH2FCF2CHF2 (HFC-245ca)"": ""CF3CHFCH2F (HFC-245eb)"": ""CHF2CH2CF3 (HFC-245fa)"": ""CF3CH2CH2F (HFC-254fb)""; ""CH3CF2CH3 (HFC-272ca)""; ""CF3CHFCHFCF2CF3 (HFC-43-10mee)""; ""3.4. TROPOSPHERIC LIFETIMES OF FLUORINATED COMPOUNDS""

""ESTIMATION OF RATE CONSTANTS BY THE NEURAL NETWORK METHOD""""4.1. EMPIRICAL METHODS FOR ESTIMATION OF RATE

CONSTANTS OF REACTIONS WITH OH RADICALS""; ""4.2. TRENDS IN REACTIVITY OF FLUORINATED COMPOUNDS WITH OH RADICALS""; ""4.3. ESTIMATION OF RATE CONSTANTS FOR REACTION WITH OH RADICALS BY THE NEURAL NETWORK METHOD""; ""CONCLUSION""; ""REFERENCES""; ""INDEX""