

1. Record Nr.	UNINA9910962448703321
Titolo	Theoretical methods in condensed phase chemistry // edited by Steven D. Schwartz
Pubbl/distr/stampa	Dordrecht ; ; Boston, : Kluwer Academic Publishers, c2000
ISBN	1-280-20546-6 9786610205462 0-306-46949-9
Edizione	[1st ed. 2002.]
Descrizione fisica	1 online resource (318 p.)
Collana	Progress in theoretical chemistry and physics ; ; v. 5
Altri autori (Persone)	SchwartzSteven David
Disciplina	541/.0421
Soggetti	Chemistry, Physical and theoretical Condensed matter
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 index.
Nota di contenuto	Classical and Quantum Rate Theory for Condensed Phases -- Feynman Path Centroid Dynamics -- Proton Transfer in Condensed Phases: Beyond the Quantum Kramers Paradigm -- Nonstationary Stochastic Dynamics and Applications to Chemical Physics -- Orbital-Free Kinetic-Energy Density Functional Theory -- Semiclassical Surface Hopping Methods for Nonadiabatic Transitions in Condensed Phases -- Mechanistic Studies of Solvation Dynamics in Liquids -- Theoretical Chemistry for Heterogeneous Reactions of Atmospheric Importance. The HC1+ClONO2 Reaction on Ice -- Simulation of Chemical Reactions in Solution Using an AB Initio Molecular Orbital-Valence Bond Model -- Methods for Finding Saddle Points and Minimum Energy Paths.
Sommario/riassunto	This book is meant to provide a window on the rapidly growing body of theoretical studies of condensed phase chemistry. A brief perusal of physical chemistry journals in the early to mid 1980's will find a large number of theoretical papers devoted to 3-body gas phase chemical reaction dynamics. The recent history of theoretical chemistry has seen an explosion of progress in the development of methods to study similar properties of systems with Avogadro's number of particles. While the physical properties of condensed phase systems have long been principle targets of statistical mechanics, microscopic dynamic

theories that start from detailed interaction potentials and build to first principles predictions of properties are now maturing at an extraordinary rate. The techniques in use range from classical studies of new Generalized Langevin Equations, semiclassical studies for non-adiabatic chemical reactions in condensed phase, mixed quantum classical studies of biological systems, to fully quantum studies of models of condensed phase environments. These techniques have become sufficiently sophisticated, that theoretical prediction of behavior in actual condensed phase environments is now possible. and in some cases, theory is driving development in experiment. The authors and chapters in this book have been chosen to represent a wide variety in the current approaches to the theoretical chemistry of condensed phase systems. I have attempted a number of groupings of the chapters, but the diversity of the work always seems to frustrate entirely consistent grouping.

2. Record Nr.	UNINA9910973657603321
Titolo	Physchological aspects / / edited by Nicola Pitchford and Carole P. Biggam
Pubbl/distr/stampa	Philadelphia, : J. Benjamins Pub., 2006
ISBN	1-282-15514-8 9786612155147 90-272-9302-3
Edizione	[1st ed.]
Descrizione fisica	xiv, 237 p
Collana	Progress in colour studies ; ; II
Altri autori (Persone)	BiggamC. P <1946-> (Carole Patricia) PitchfordNicola
Disciplina	306.44
Soggetti	Color Colors, Words for Language and culture Color - Psychological aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.

Progress in Colour Studies II -- Title page -- LCC data -- Table of Contents -- PREFACE -- DR ROBERT E. MACLAURY 1944-2004: AN APPRECIATION -- ABBREVIATIONS -- Section 1: Theoretical approaches -- EXPLANATION(S) AND THE PATTERNING OF BASIC COLOUR WORDS ACROSS LANGUAGES AND SPEAKERS -- RE-ASSESSING PERCEPTUAL DIAGNOSTICS FOR OBSERVERS WITH DIVERSE RETINAL PHOTOPIGMENT GENOTYPES -- HUE CATEGORIZATION AND COLOR NAMING: PHYSICS TO SENSATION TO PERCEPTION -- Section 2: Developmental and cultural aspects -- INFANT COLOR PERCEPTION AND DISCRETE TRIAL PREFERENTIAL LOOKING PARADIGMS -- THE RIVALRY BETWEEN COLOUR AND SPATIAL ATTRIBUTES IN INFANT RESPONSE TO THE VISUAL FIELD -- CONVERGING EVIDENCE FOR PRE-LINGUISTIC COLOUR CATEGORIZATION -- COLOUR CATEGORIZATION IN PRESCHOOLERS -- THE DEVELOPMENTAL ACQUISITION OF BASIC COLOUR TERMS -- COLOUR CATEGORIES AND CATEGORY ACQUISITION IN HIMBA AND ENGLISH -- SEX DIFFERENCES IN COLOUR PREFERENCE -- Section 3: Cognitive and emotional aspects -- COLOUR ASSOCIATIONS IN THE MEXICAN UNIVERSITY POPULATION -- SYNAESTHESIA, NEUROLOGY AND LANGUAGE -- AUTHOR INDEX -- SUBJECT INDEX.

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Sommario/riassunto

The study of colour attracts researchers from a wide range of disciplines from both the sciences and the arts. Along with its companion volume, Progress in Colour Studies 1: Language and Culture, this book offers a fascinating insight into current issues and research into colour. Most of the papers originated in a 2004 conference entitled 'Progress in Colour Studies' held in the University of Glasgow, U.K. Some additional invited papers are included from investigators exploring new and exciting avenues of colour research. The contributions to both books represent reviews of state-of-the-art colour research in various disciplines, and some new research findings are reported. This volume, principally psychological in content, focuses on the development of colour perception and colour language, from infancy into adulthood, across a diverse range of cultures, including English, Himba, Chinese, and Mexican, and on the intriguing yet perplexing condition of synaesthesia, thus bridging research from the physiology, psychology and anthropology of colour.

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