

1. Record Nr.	UNINA9910144845903321
Titolo	Manual of surgical treatment of atrial fibrillation [[electronic resource] /] / edited by Hauw T. Sie ... [et al.]
Pubbl/distr/stampa	Malden, Mass., : Blackwell Futura, 2008
ISBN	1-282-34192-8 9786612341922 0-470-69635-4 0-470-69564-1
Descrizione fisica	1 online resource (270 p.)
Altri autori (Persone)	SieHauw T
Disciplina	616.128 617.4/120592
Soggetti	Atrial fibrillation - Treatment Heart - Surgery Heart - Surgery - Complications - Prevention 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 and index.
Nota di contenuto	The morphology and development of the atrial chambers, with particular regard to atrial fibrillation -- Pathophysiology of atrial fibrillation -- Genetics of atrial fibrillation -- Pharmacological management of atrial fibrillation -- Electrophysiological basis of atrial fibrillation -- Pulmonary and thoracic vein sources: the focal theory of atrial fibrillation -- Surgical treatment of atrial fibrillation: a retrospecton -- The maze procedure: past, present, and future -- The radial procedure for atrial fibrillation: theoretical basis and clinical application -- The mini-maze operation -- Alternative energy sources for the surgical treatment of atrial fibrillation -- Radiofrequency modified maze surgery for chronic atrial fibrillation and concomitant cardiac surgery: Zwolle experience -- Bipolar radiofrequency ablation of atrial fibrillation -- Surgical ablation therapy using microwave energy: endo- and epicardial approach -- Epicardial ablation in the treatment of atrial fibrillation -- Surgical treatment of atrial fibrillation: the Japanese experience -- Minimally invasive surgical approach to

treat atrial fibrillation -- Percutaneous treatment of atrial fibrillation -- Surgical ablation of arrhythmias associated with congenital cardiopathies -- Perioperative complications during surgical treatment of atrial fibrillation: tips and pitfalls.

Sommario/riassunto

In recent years, a myriad of surgical protocols have been developed to manage atrial fibrillation, increasing the confusion over which are the most effective approaches. This timely book presents a multidisciplinary, international team of authorities who have reviewed the evidence in order to establish which surgical approaches should be used under which circumstances. Divided into five parts, the book not only explores surgical treatment of atrial fibrillation, it also offers a complete understanding of its underlying causes: Anatomy, Pathophysiology, and Electrophysiology

2. Record Nr.	UNINA9910779728003321
Autore	Burenin A. V (Aleksandr Valentinovich)
Titolo	Symmetry of intramolecular quantum dynamics [[electronic resource]] / Alexander V. Burenin ; translated by Alexey V. Krayev
Pubbl/distr/stampa	Berlin, : De Gruyter, 2012
ISBN	3-11-026753-5
Descrizione fisica	1 online resource (444 p.)
Collana	De Gruyter Studies in Mathematical Physics ; ; 11 De Gruyter studies in mathematical physics ; ; 11
Classificazione	UM 3000
Altri autori (Persone)	Krayev Alexey V
Disciplina	539/.6
Soggetti	Molecular dynamics - Mathematical models Molecular spectra
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	Frontmatter -- Preface -- Contents -- Part I. Foundations of the mathematical apparatus -- Chapter 1. Basic concepts of group theory -- Chapter 2. Basic concepts of group representation theory -- Chapter 3. The permutation group -- Chapter 4. Continuous groups -- Chapter 5. Point groups -- Chapter 6. Dynamic groups -- Part II. Qualitative intramolecular quantum dynamics -- Chapter 7. The philosophy of using the symmetry properties of internal dynamics -- Chapter 8.

Internal dynamics of rigid molecules -- Chapter 9. Molecules with torsional transitions of the exchange type -- Chapter 10. Molecules with pseudorotations of the exchange type -- Chapter 11. Molecules with transitions of the nonexchange type between equivalent configurations -- Chapter 12. On the meaning of the Born-Oppenheimer Approximation -- Chapter 13. Molecules with transitions of the exchange and nonexchange types between equivalent configurations -- Chapter 14. On the construction of extended point groups -- Chapter 15. Nonrigid molecular systems with continuous axial symmetry groups -- Chapter 16. Molecules with different isomeric forms in a single electronic state -- Chapter 17. Molecules with different isomeric forms in different electronic states -- Chapter 18. Algebraic models of the global description of molecular spectrum -- Chapter 19. Description of the Zeeman and Stark effects -- Chapter 20. Additional remarks on describing intramolecular dynamics -- Conclusion -- Appendices -- Bibliography -- Index

Sommario/riassunto

The main goal of this book is to give a systematic description of intramolecular quantum dynamics on the basis of only the symmetry principles. In this respect, the book has no analogs in the world literature. This approach does not introduce a configuration space of the molecular system in explicit form at all and, consequently, does not consider in explicit form the wave functions of the coordinates of this space. However, precisely because of its deep philosophical and technical difference this approach is the only possible for the solution of many topical problems of the internal dynamics of molecules. The obtained models lead to a simple, purely algebraic, scheme of calculation and are rigorous in the sense that their correctness is limited only to the correct choice of symmetry of the internal dynamics. The book is basically intended for scientists working in the field of molecular spectroscopy, quantum and structural chemistry. The reader is not supposed to know the apparatus of group representation theory needed for application of symmetry methods in quantum intramolecular dynamics since the first part of the book is dedicated to it.
