



# Endohedral Metallofullerenes: Basics and Applications

From CRC Press

Download now

Read Online 

## Endohedral Metallofullerenes: Basics and Applications From CRC Press

Knowledge on endohedral metallofullerenes (EMFs) has increased dramatically during the last decade. Numerous research findings have been reported, making it an opportune time to provide a systematic update on EMFs.

Endohedral Metallofullerenes: Basics and Applications presents the most comprehensive review on all aspects of EMFs including their generation, extraction and isolation, structural issues, theories, intrinsic properties, chemical behaviors, and potential applications. In this book, the editors have collected an impressive amount of information regarding this family of a truly *sui generis* form of matter.

The book's authors were chosen for their specific expertise in EMF research and have been gathered from top research groups from around the world. Graduate students, newcomers to the field, and experienced researchers alike will find this book a highly useful reference on the topic.

 [Download Endohedral Metallofullerenes: Basics and Applicati ...pdf](#)

 [Read Online Endohedral Metallofullerenes: Basics and Applica ...pdf](#)

# Endohedral Metallofullerenes: Basics and Applications

From CRC Press

## Endohedral Metallofullerenes: Basics and Applications From CRC Press

Knowledge on endohedral metallofullerenes (EMFs) has increased dramatically during the last decade. Numerous research findings have been reported, making it an opportune time to provide a systematic update on EMFs.

Endohedral Metallofullerenes: Basics and Applications presents the most comprehensive review on all aspects of EMFs including their generation, extraction and isolation, structural issues, theories, intrinsic properties, chemical behaviors, and potential applications. In this book, the editors have collected an impressive amount of information regarding this family of a truly *sui generis* form of matter.

The book's authors were chosen for their specific expertise in EMF research and have been gathered from top research groups from around the world. Graduate students, newcomers to the field, and experienced researchers alike will find this book a highly useful reference on the topic.

## Endohedral Metallofullerenes: Basics and Applications From CRC Press Bibliography

- Published on: 2014-12-10
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .71" w x 6.13" l, .0 pounds
- Binding: Hardcover
- 281 pages

 [Download Endohedral Metallofullerenes: Basics and Applicati ...pdf](#)

 [Read Online Endohedral Metallofullerenes: Basics and Applica ...pdf](#)

## **Editorial Review**

About the Author

Edited by

Xing Lu is a professor at Huazhong University of Science and Technology and is supported by The National Thousand Talents Program of China. He received his PhD from Peking University and worked as a COE postdoctoral fellow at Nagoya University in Japan. Dr. Lu's research interests lie in the rational design and facile generation of novel hybrid carbon materials with applications in energy storage/conversion and biology. He has published more than 60 scientific papers and has received the Osawa Award from the Fullerenes and Nanotubes Research Society of Japan.

Luis Echegoyen is the Robert A. Welch Chair Professor of Chemistry at the University of Texas at El Paso. He received his PhD from the University of Puerto Rico at Rio Piedras. Dr. Echegoyen was the director of the Chemistry Division at the National Science Foundation, where he was instrumental in establishing new funding programs and research centers. He has research interests in fullerene electrochemistry, monolayer films, supramolecular chemistry, and spectroscopy; endohedral fullerene chemistry and electrochemistry; and carbon nano-onions, synthesis, derivatization, and fractionation. Dr. Echegoyen has published around 340 research articles and 43 book chapters.

Alan L. Balch is a Distinguished Professor of Chemistry at the University of California, Davis. He earned a BA in chemistry from Cornell University and a PhD from Harvard University. Dr. Balch's research interests include synthetic and structural studies of fullerenes and endohedral fullerenes, examination of metal-metal bonding and its effects on luminescence of transition metal complexes, and supramolecular chemistry in crystals. He has received the F. Albert Cotton Award in Synthetic Inorganic Chemistry from the American Chemical Society and is a Fellow of both the American Chemical Society and the American Association for the Advancement of Science.

Shigeru Nagase is a former professor at Yokohama National University, Tokyo Metropolitan University, and the Institute for Molecular Science in Japan. He currently is a senior research fellow at the Fukui Institute for fundamental chemistry of Kyoto University in Japan. Dr. Nagase's research interests include developing new molecules and reactions through close interplay between theory and experiment. He is a member of the International Academy of Quantum Molecular Science and has received the Commendation for Science and Technology from the MEXT, the Fukui Medal from the Asia-Pacific Association of Theoretical and Computational Chemists, and the Chemical Society of Japan Award.

Takeshi Akasaka is a former professor at Niigata University and University of Tsukuba in Japan. He is now a professor emeritus of University of Tsukuba and a senior researcher at the Foundation for Advancement of International Science in Japan. Dr. Akasaka's research interests include the organic chemistry of

nanocarbons?fullerenes, endohedral metallofullerenes, and carbon nanotubes. He has received the Chemical Society of Japan Award for Creative Work, the Commendation for Science and Technology from the Ministry of Education, Culture, Sports, Science and Technology of Japan, and the Chemical Society of Japan Award.

## **Users Review**

### **From reader reviews:**

#### **Bessie Morris:**

The knowledge that you get from Endohedral Metallofullerenes: Basics and Applications is the more deep you searching the information that hide into the words the more you get interested in reading it. It doesn't mean that this book is hard to know but Endohedral Metallofullerenes: Basics and Applications giving you enjoyment feeling of reading. The article author conveys their point in a number of way that can be understood by simply anyone who read the item because the author of this publication is well-known enough. This book also makes your own vocabulary increase well. Making it easy to understand then can go with you, both in printed or e-book style are available. We suggest you for having this Endohedral Metallofullerenes: Basics and Applications instantly.

#### **Bethany Hall:**

The book Endohedral Metallofullerenes: Basics and Applications has a lot info on it. So when you make sure to read this book you can get a lot of advantage. The book was compiled by the very famous author. This articles author makes some research previous to write this book. This kind of book very easy to read you may get the point easily after scanning this book.

#### **Sophia Hartman:**

Do you have something that that suits you such as book? The guide lovers usually prefer to pick book like comic, short story and the biggest some may be novel. Now, why not seeking Endohedral Metallofullerenes: Basics and Applications that give your satisfaction preference will be satisfied by reading this book. Reading addiction all over the world can be said as the way for people to know world considerably better then how they react toward the world. It can't be claimed constantly that reading behavior only for the geeky man but for all of you who wants to become success person. So , for every you who want to start studying as your good habit, you may pick Endohedral Metallofullerenes: Basics and Applications become your own personal starter.

#### **Shirley Parker:**

Are you kind of hectic person, only have 10 or 15 minute in your morning to upgrading your mind ability or thinking skill also analytical thinking? Then you are having problem with the book as compared to can satisfy your short period of time to read it because all of this time you only find book that need more time to be go through. Endohedral Metallofullerenes: Basics and Applications can be your answer as it can be read by anyone who have those short extra time problems.

**Download and Read Online Endohedral Metallofullerenes: Basics and Applications From CRC Press #30QYSJ9WOIV**

## **Read Endohedral Metallofullerenes: Basics and Applications From CRC Press for online ebook**

Endohedral Metallofullerenes: Basics and Applications From CRC Press Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Endohedral Metallofullerenes: Basics and Applications From CRC Press books to read online.

### **Online Endohedral Metallofullerenes: Basics and Applications From CRC Press ebook PDF download**

**Endohedral Metallofullerenes: Basics and Applications From CRC Press Doc**

**Endohedral Metallofullerenes: Basics and Applications From CRC Press Mobipocket**

**Endohedral Metallofullerenes: Basics and Applications From CRC Press EPub**

**30QYSJ9WOIV: Endohedral Metallofullerenes: Basics and Applications From CRC Press**