



Molecular Interactions: Concepts and Methods

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Hardcover

ISBN: 978-0-470-29074-3

December 2019

Pre-order

\$175.00

DESCRIPTION

A modern, comprehensive text and reference describing intermolecular forces, this book begins with coverage of the concepts and methods for simpler systems, then moves on to more advanced subjects for complex systems – emphasizing concepts and methods used in calculations with realistic models and compared with empirical data.

- Contains applications to many physical systems and worked examples
- Proceeds from introductory material to advanced modern treatments
- Has relevance for new materials, biological phenomena, and energy and fuels production

ABOUT THE AUTHOR

David A. Micha, PhD, is a Professor of Chemistry and Physics at the University of Florida, presently Adjunct and Emeritus, with continuing research activity. His many research interests include molecular interactions and kinetics, and quantum molecular dynamics involving energy transfer, electron transfer, light emission, reactions in gas phase collisions, and also at solid surfaces. His work has been recognized with awards from the Alfred P. Sloan Foundation and the Dreyfus Foundation, and with an Alexander von Humboldt Senior Scientist Award. Dr. Micha has been the organizer of several Pan-American Workshops and is a

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