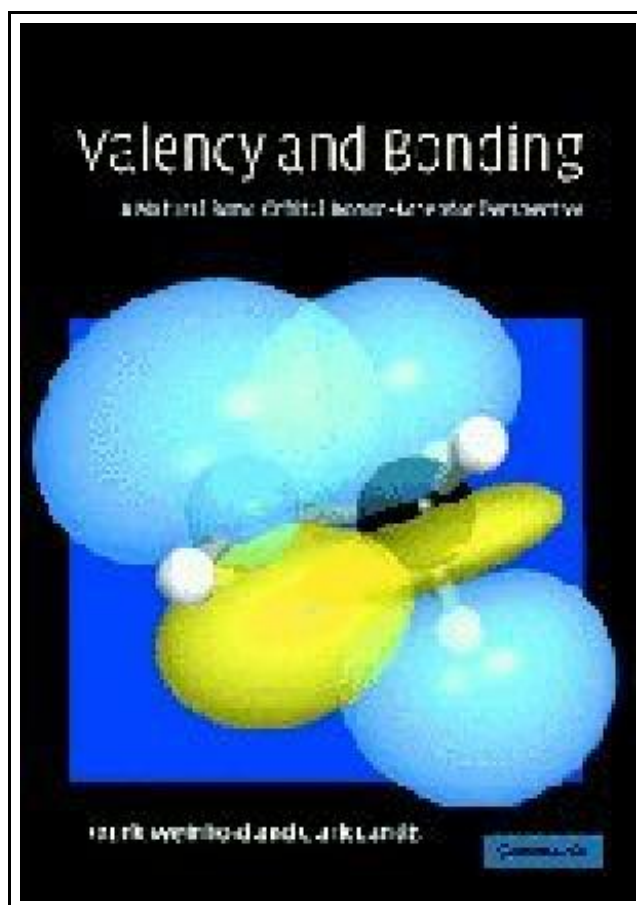


Valency and Bonding: A Natural Bond Orbital Donor-Acceptor Perspective



Filesize: 9.67 MB

Reviews

Complete information! Its this type of great read through. I could comprehended every little thing using this written e ebook. You will like how the writer write this ebook.
(Shaniya Schuster)

VALENCY AND BONDING: A NATURAL BOND ORBITAL DONOR-ACCEPTOR PERSPECTIVE



Cambridge University Press, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Part I. Introduction and Theoretical Background: 1. The Schrödinger equation and models of chemistry; 2. Hydrogen atom orbitals; 3. Many-electron systems; 4. Perturbation theory for orbitals in the Hartree-Fock framework: the donor-acceptor paradigm; 5. Density matrices, natural localized and delocalized orbitals and the Lewis structure picture; 6. Natural resonance structures and weightings; 7. Pauli exchange antisymmetry and steric repulsions; 8. Summary; Part II. Electrostatic and Ionic Bonding: 9. Introduction; 10. Atomic and ionic orbitals; 11. Charge transfer and hybridization changes in ionic bonding; 12. Donor-acceptor theory of hybridization changes in ionic bonding; 13. Ionic/covalent transitions; 14. Ion-dipole and dipole-dipole bonding; 15. Beta ionic compounds of heavy alkaline earths; 16. Ionic bonding in D-block elements; 17. Summary; Part III. Molecular Bonding in the S/P-Block Elements: 18. Introduction; 19. Covalent and polar covalent bonding; 20. Conjugation and aromaticity; 21. Hyperconjugation; 22. Hypervalency; 23. Hypovalency; 24. Summary; Part IV. Molecular Bonding in the D-Block Elements: 25. Introduction; 26. Lewis-like structures for the D-block; 27. Hybridization and molecular shape; 28. Covalent and polar covalent bonding; 29. Coordinative metal-ligand bonding; 30. Hypervalent bonding; 31. Hypovalency and agostic interactions; 32. Conjugative and hyperconjugative effects; 33. Multi-electron coordination; 34. Vertical trends in transition metal bonding; 35. Summary; Part V. Supramolecular Bonding: 36. Introductory overview of intermolecular forces; 37. Hydrogen bonding; 38. Charge transfer complexes; 39. Transition state species; 40. Coupling of intra- and intermolecular interactions; 41. Summary; Appendices.



Read Valency and Bonding: A Natural Bond Orbital Donor-Acceptor Perspective Online



Download PDF Valency and Bonding: A Natural Bond Orbital Donor-Acceptor Perspective

Related eBooks



Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How...

[Save PDF »](#)



Maisy's Christmas Tree

Candlewick, 2014. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: The final scene of the gang caroling around the tree, complete with paper crowns from British Christmas crackers, is...

[Save PDF »](#)



The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)

Cengage Learning, 2012. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: You can now maximize and integrate the design and development power of Adobe Creative Suite 6 with WEB...

[Save PDF »](#)



Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children...

[Save PDF »](#)



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Save PDF »](#)

**Silverlight 5 in Action**

Manning Publications. Paperback. Book Condition: New. Paperback. 1000 pages. Dimensions: 9.2in. x 7.3in. x 2.0in. Summary A thorough revision of the bestselling Silverlight 4 in Action. This comprehensive guide teaches Silverlight from the ground up, covering

[Read Book »](#)

**Meritocracy: A Love Story**

Haus Publishing, 2011. Paperback. Book Condition: New. A new, unread, unused book in perfect condition with no missing or damaged pages. Shipped from UK. Orders will be dispatched within 48 hours of receiving your order.

[Read Book »](#)

**The Poems and Prose of Ernest Dowson**

Book Jungle. Paperback. Book Condition: New. Paperback. 200 pages. Dimensions: 9.2in. x 7.5in. x 0.5in. The Poems and Prose of Ernest Dowson The Project Gutenberg EBook of The Poems And Prose Of Ernest Dowson by Ernest

[Read Book »](#)

**Most cordial hand household cloth (comes with original large papier-mache and DVD high-definition disc) (Beginners Korea(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: Unknown in Publisher: Henan Science and Technology Press Information Original Price:

[Read Book »](#)

**Read Write Inc. Phonics: Orange Set 4 Storybook 11 Look Out!**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 211 x 147 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read

[Read Book »](#)