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**Título:** Quantum Theory Of Atoms In Molecules. The

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**Precio:** \$2990.00

**Editorial:**

**Año:** 2007

**Tema:**

**Edición:** 1ª

**Sinopsis**

**ISBN:** 9783527307487

This book distills the knowledge gained from research into atoms in molecules over the last 10 years into a unique, handy reference. Throughout, the authors address a wide audience, such that this volume may equally be used as a textbook without compromising its research-oriented character. Clearly structured, the text begins with advances in theory before moving on to theoretical studies of chemical bonding and reactivity. There follow separate sections on solid state and surfaces as well as experimental electron densities, before finishing with applications in biological sciences and drug-design.

The result is a must-have for physicochemists, chemists, physicists, spectroscopists and materials scientists.