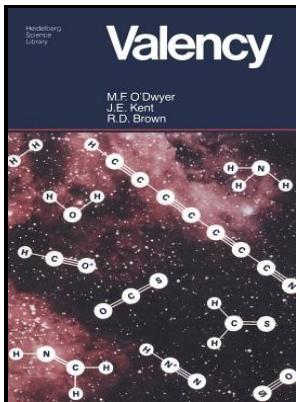


Wave mechanics and valency.

Methuen - Valence Bond Theory

Description: -



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World history.
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Quantum chemistry.
Valence (Theoretical chemistry)
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Notes: Includes bibliography.

This edition was published in 1966



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If the distance between the two atoms is decreased further, the repulsive forces dominate the attractive forces and the potential energy of the system sharply increases. Salient features of VB Theory: i When half filled orbitals of two atoms overlap, a covalent bond will be formed between them. The internuclear distance at this stage gives the H-H bond length and is equal to 74 pm.

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A stage is reached where the net attractive forces are exactly balanced by repulsive forces and the potential energy of the system acquires a minimum energy.

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