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A CHEMIST'S GUIDE TO VALENCE BOND THEORY; CONTENTS; PREFACE;  
 1 A Brief Story of Valence Bond Theory, Its Rivalry with Molecular  
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Sommario/riassunto

This reference on current VB theory and applications presents a  
 practical system that can be applied to a variety of chemical problems  
 in a uniform manner. After explaining basic VB theory, it discusses VB  
 applications to bonding problems, aromaticity and antiaromaticity, the  
 dioxygen molecule, polyradicals, excited states, organic reactions,  
 inorganic/organometallic reactions, photochemical reactions, and  
 catalytic reactions. With a guide for performing VB calculations,  
 exercises and answers, and numerous solved problems, this is the  
 premier reference for practitioners and upper-level student