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Sommario/riassunto

Exploiting the inherent combinatorial mechanism in the biosynthesis of antibodies, an almost limitless variety of biocatalysts may be generated. Catalytic antibodies are capable of performing almost any type of reaction with high selectivity and stereospecificity.Here, the pioneers in the use of catalytic antibodies review the entire scope of this interdisciplinary field, covering such topics as:* theoretical aspects of structure, mechanism and kinetics* practical considerations, from immunization techniques to screening methods* in vitro evolution and other modern approaches<b