DESCRIPTION

The whole range of biocatalysis, from a firm grounding in theoretical concepts to in-depth coverage of practical applications and future perspectives.

The book not only covers reactions, products and processes with and from biological catalysts, but also the process of designing and improving such biocatalysts.

One unique feature is that the fields of chemistry, biology and bioengineering receive equal attention, thus addressing practitioners and students from all three areas.

ABOUT THE AUTHOR

Andreas S. Bommarius obtained his diploma in Chemistry from the Technical University in Munich, Germany, and, in 1989, his PhD in Chemical Engineering from Massachusetts Institute of Technology (MIT) in Cambridge, MA, USA. In 1990, he joined Degussa as head of the Biocatalysis Laboratory and pilot plant. Since 2000 he is affiliated at Georgia Institute of Technology in Atlanta, Georgia, USA, as professor in the Schools of Chemical and Biomolecular Engineering and Chemistry and Biochemistry. His main research interests are novel redox enzyme systems, stability of protein biocatalysts, as well as novel catalysts through directed evolution.
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