Design of Heterogeneous Catalysts: New Approaches based on Synthesis, Characterization and Modeling
Umit S. Ozkan (Editor)

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DESCRIPTION
This long-awaited reference source is the first book to focus on this important and hot topic. As such, it provides examples from a wide array of fields where catalyst design has been based on new insights and understanding, presenting such modern and important topics as self-assembly, nature-inspired catalysis, nano-scale architecture of surfaces and theoretical methods. With its inclusion of all the useful and powerful tools for the rational design of catalysts, this is a true "must have" book for every researcher in the field.

ABOUT THE AUTHOR
Umit S. Ozkan is a Professor of Chemical Engineering at the Ohio State University. Her research interests include heterogeneous catalysis and its applications to energy and environmental protection. She has edited five books, written over 150 refereed publications and has five patents.

She served as the Co-chair of the Continuing Symposia in Catalysis for the Colloids and Surface Chemistry Division (1994-2000), Secretary of the Petroleum Chemistry Division (1998-99), and as President of the Petroleum Chemistry Division (2002-03) of the ACS. She is currently the Secretary of the North American Catalysis Society and a Director of the Catalysis and Reaction Engineering Division of the American Institute of Chemical Engineers. Professor Ozkan is also on the Editorial Board of Journal of...