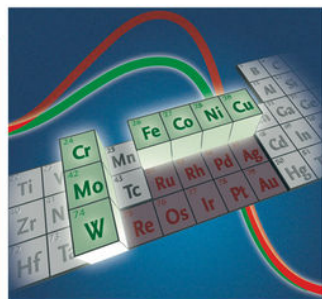


Edited by R. Morris Bullock

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**Catalysis Without Precious Metals****Catalysis without Precious Metals**

R. Morris Bullock (Editor)

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Written for chemists in industry and academia, this ready reference and handbook summarizes recent progress in the development of new catalysts that do not require precious metals. The research thus presented points the way to how new catalysts may ultimately supplant the use of precious metals in some types of reactions, while highlighting the remaining challenges.

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## ABOUT THE AUTHOR

After 21 years at Brookhaven National Laboratory in Long Island, New York, Morris Bullock moved to Pacific Northwest National Laboratory in 2006, where he is a Laboratory Fellow, as well as Director of the Center for Molecular Electrocatalysis. Dr. Bullock's research interests focus on reactivity of metal hydrides, including proton transfer, hydride transfer, and hydrogen atom transfer reactions, and on the development of molecular catalysts for the oxidation of hydrogen and production of hydrogen.

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