DESCRIPTION

*Ceramic Membranes for Reaction and Separation* is the first single-authored guide to the developing area of ceramic membranes.

Starting by documenting established procedures of ceramic membrane preparation and characterization, this title then focuses on gas separation. The final chapter covers ceramic membrane reactors as distributors and separators, and general engineering considerations.

- Chapters include key examples to illustrate membrane synthesis, characterisation and applications in industry.

- Theoretical principles, advantages and disadvantages of using ceramic membranes under the various conditions are discussed where applicable.

ABOUT THE AUTHOR

*Kang Li* is Professor of Chemical Engineering at Imperial College London. His present research interests are in the preparation and characterisation of polymeric and inorganic hollow fibre membranes, fluid separations using membranes, and membrane reactors for energy application and CO2 capture. Kang Li currently leads a research group at Imperial of 2 MSc students, 8 PhD students and 3 post-doctorial research fellows. He has published over 180 research papers in international referred journals, holds
five patents, and is the author of a book in the area of ceramic membranes - Ceramic Membranes for Separation and Reaction, John Wiley, 2007 -.

For additional product details, please visit https://www.wiley.com/en-us