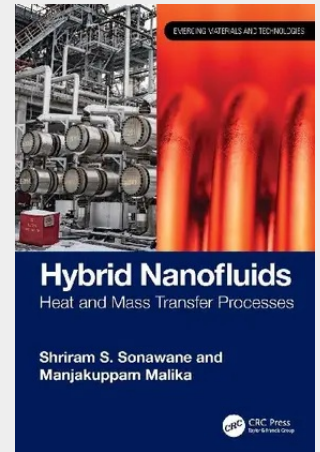


Hybrid Nanofluids

Heat and Mass Transfer Processes

This book provides a comprehensive understanding of advanced hybrid nanofluid applications in various fields while also explaining the real-time industrial applications of nanofluids. It explains mathematical, numerical, and experimental methodologies of application of the nanofluids in heat transfer and mass transfer processes. It helps build innovative nanofluid-based devices, including the study and measurement of thermophysical characteristics, convection, and heat transfer equipment performance. Features: - Discusses hybrid nanofluids with a strong attention to the processes. - Explores inter-relation between thermal properties, physical properties, and optical properties of the nanofluids. - Investigates high-performance heat transfer and mass transfer hybrid nanofluids. - Explores data for the design of the nanofluid application and scale-up challenges. - Reviews industrial operation and scale-up challenges for nanofluid applications in the industrial process. This book is aimed at graduate students and researchers in fluid dynamics, nanotechnology, and chemical and mechanical engineering.

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