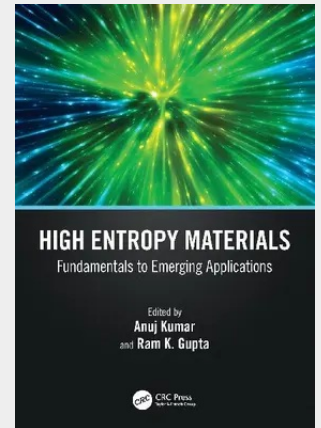


High Entropy Materials

Fundamentals to Emerging Applications

High Entropy Materials covers the fundamental concepts of these materials and their emerging applications. To fulfil growing energy demand, scientists are looking for novel materials which can be used for the fabrication of high-performance energy devices. Many materials such as graphene, carbon nanotubes, and metal oxides are used in energy production and storage. A new class of metal oxides, multicomponent metal oxides, known as high entropy materials, have attracted considerable attention not only for their energy applications but also other emerging applications such as use in sensors, catalysts, and CO₂ absorption. Key Features: - Reviews state-of-the-art developments - Provides new directions to scientists, researchers, and students to better understand the principles, technologies, and applications of high entropy materials - Discusses ongoing challenges and visions for the future



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