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Key Materials for Superconducting Devices

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Message from the Guest Editors

discusses superconducting innovation, The content focusing on high-temperature superconductors like *REB*a2*C*u3*O*7–**δ** (*REBCO*) compounds for secondgeneration high-Tc superconducting tapes. It aims to optimize performance and reduce production costs. Traditional methods like MOCVD, PLD, and sputtering are used for REBCO films, but chemical solution deposition (CSD) is a cost-effective alternative. Low-temperature superconductors, particularly Nb3Sn, are explored for highenergy physics applications. MgB2 is used in MRI machines and fault current limiters. Iron-based superconductors (IBS) are emerging for various applications due to their diverse phases and properties. The Special Issue in Crystals invites research papers to advance knowledge of superconducting materials and devices.

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Message from the Editor-in-Chief

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