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A review of developments in the electrodeposition of copper–tin (bronze) alloys

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## **A review of developments in the electrodeposition of tin-copper alloys**

### **Highlights**

- Aqueous electrolytes for Cu-Sn alloy deposition are concisely reviewed.
- The importance of versatile methanesulfonic acid electrolytes is stressed.
- The effect of bath composition and operating conditions on deposit quality are illustrated.
- Deliberately non-uniform current distribution achieved in an RCE Hull cell.
- R & D trends include ionic liquid baths, non-ionic additives and combinatorial deposition.
- Sn-Cu alloy deposition has provided components for modern lithium batteries.

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