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Title: Effect of microstructure on corrosion behavior of Ag-30Cu-27Sn alloy in vitro media

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Highlights:

High cooling rates decrease the number of Ag intermetallic particles in Cu-rich phase

Increasing cooling rate improves corrosion behavior of Ag-30Cu-27Sn dental alloy

Cathode/anode ratio in Cu-rich phases determines the corrosion behavior of alloy

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