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Title: Nanostructured titanium-silver coatings with good antibacterial activity and cytocompatibility fabricated by one-step magnetron sputtering

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## Highlights

- We fabricate Ti-Ag coatings with different Ag contents and surface morphologies.
- The Ti-Ag coatings possess long-term antibacterial ability.
- Increased Ag contents in the coatings leads to enhanced osteoblast functions.

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