



coatings



Special Issue Reprint

Advanced Alloy Degradation and Implants

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Metals and their alloys are one of the oldest biomedical materials known to human beings. They still play an irreplaceable role in modern clinical treatment with excellent mechanical load-bearing properties, chemical stability, and good biocompatibility. In recent years, the R&D and design of metal implants and devices, the further exploration of their powerful functions, and the in-depth exploration of their interaction with the body microenvironment have made great progress. In particular, the design of biodegradable alloys, the elaboration of their degradation mechanism in different environments, the research on degradation behavior and degradation products, and the prospect of their advanced exclusive coating have attracted the attention of scholars. The aim of this reprint, “Advanced Alloy Degradation and Implants”, is to publish full-length research articles, short communications, and review articles covering the latest studies, progress, and challenges on the design, fabrication, degradation, and surface modification of metal alloy implants for their future biomedical applications.



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