



Metallic Biomaterials: New Directions and Technologies

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DESCRIPTION

With its comprehensive coverage of recent progress in metallic biomaterials, this reference focuses on emerging materials and new biofunctions for promising applications.

The text is systematically structured, with the information organized according to different material systems, and concentrates on various advanced materials, such as anti-bacterial functionalized stainless steel, biodegradable metals with bioactivity, and novel structured metallic biomaterials. Authors from well-known academic institutes and with many years of clinical experience discuss all important aspects, including design strategies, fabrication and modification techniques, and biocompatibility.

ABOUT THE AUTHOR

Yufeng Zheng is Professor in the Department of Materials Science and Engineering at Peking University, China. He started his research career at Harbin Institute of Technology in China after obtained his PhD in materials science there. In 2004, he moved to Peking University and founded the Laboratory of Biomedical Materials and Devices at the College of Engineering. He was a winner of the National Science Fund for Distinguished Young Scholars in 2012. He has published over 360 scientific publications including eight books and seven book chapters.

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