



Special Issue Reprint

Feature Papers in Bone Biomaterials

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Bone is a typical mineralized tissue that plays a critical role in protecting and maintaining the shape of the human body. Meanwhile, bone is also a place where inorganic ions are stored and various blood cells are produced. The treatment of bone diseases is one of the most important issues in the clinical work of orthopedics, in which the use of biomaterials is becoming increasingly important. In terms of chemical composition, the types of bone biomaterials include metals, inorganic non-metals, natural polymers, synthetic polymers, and cell-derived materials, which are used in the form of porous scaffolds, membranes, hydrogels, nanomaterials, etc. In recent decades, the development of bone biomaterials has rapidly promoted the clinical treatment strategies of orthopedic diseases.

This Reprint hosts papers (communications, articles, and reviews) related to the latest findings and trends in the field of bone biomaterials. Topics may include, but are not limited to, the following: bone implants, metal/ceramic biomaterials, surface modification, biomimetic materials, biomineralization, bone/cartilage regeneration, 3D/4D printed scaffolds, biosafety/bioactivity evaluation, and bone tumor-related nanomedicine.

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