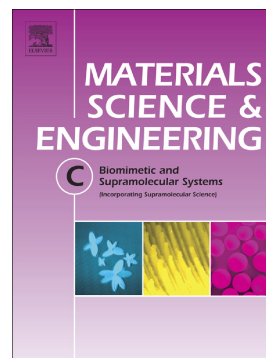


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# One-step fabrication of functionalized poly(etheretherketone) surfaces with enhanced biocompatibility and osteogenic activity

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## KEYWORDS

Polyetheretherketone; titanium dioxide electrospun; methacrylated hyaluronic acid; biocomposites; osteogenic differentiation

## ABSTRACT

Polyetheretherketone (PEEK) has an elastic modulus similar to that of the bone; however, its use as a material for bone repair is limited by bio-inert surface chemistry and poor osteogenesis-inducing capacity. To address this issue, the PEEK surface was activated by

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