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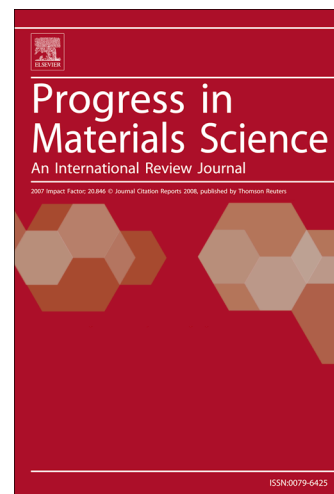
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Magnetostrictive polymer composites: recent advances in materials, structures and properties

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Abstract

Magnetostrictive polymer composites (MPCs) are a class of materials having the ability to change dimensions, elastic and electromagnetic properties under the presence of a magnetic field. Their advantages over bulk magnetostrictive metals are high resistivity, extended frequency response, lightness, easy formability and improved mechanical properties. In this review, advances in MPCs and their applications since the year 2000 are presented. A wide

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