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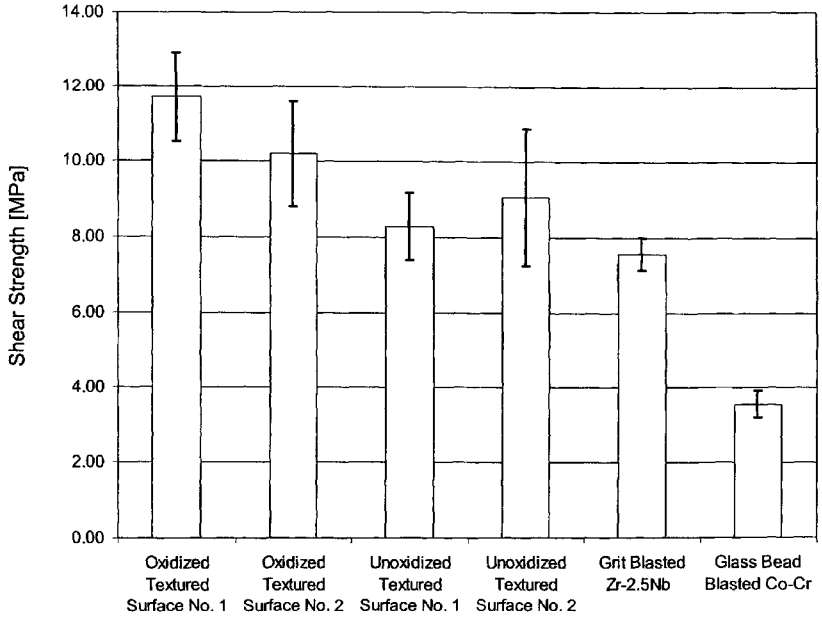
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(54) Title: IN-SITU OXIDIZED TEXTURED SURFACES FOR PROSTHETIC DEVICES AND METHOD OF MAKING SAME



(57) Abstract: A textured surface and oxidation layer coating on a metallic material is accomplished through the chemical and/or electrochemical etching of the surface to modify the surface texture and an *in situ* oxidation procedure. The surface is useful for the fabrication of prosthetic devices, particularly medical implants, due to the corrosion and wear resistance imparted by the oxidation layer and the ability to enhance grafting of the implant onto bone imparted by the surface texture.

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