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foam to a titanium substrate for orthopaedic applications / D.J. Medlin, J. Scrafton, and R. Shetty -- Influence of oxygen content on the mechanical properties of titanium-35 niobium-7zirconium-5tantalum beta titanium alloy / V.R. Jablokov ... [et al.] -- Effect of aging treatments on the tensile properties of Ti-35Nb-7Zr-5Ta-(0.06-0.7) O alloys / J.I. Qazi ... [et al.] -- Beta titanium alloy processed for high-strength orthopaedic applications / B. Marquardt and R. Shetty -- The application of Ti-15Mo beta titanium alloy in high-strength structural orthopedic applications / V.R. Jablokov ... [et al.] -- Mechanical properties of cast Ti-Fe-O-N alloys / M. Koike ... [et al.] -- Effect of surface reaction layer on three-point flexure bond strength of resin composite to cast Ti and Ti-6Al-7Nb / I. Watanabe ... [et al.] -- Corrosion resistance, mechanical properties, fatigue properties, and tissue response of Ti-15Zr-4Nb-4Ta alloy / Y. Okazaki and E. Gotoh -- Super elastic functional [beta] titanium alloy with Low Young's modulus for biomedical applications / M. Niinomi ... [et al.] -- Comparative evaluations of surface characteristics of cp titanium, Ti-6Al-4V and Ti-15Mo-2.8Nb-0.2Si (Timetal 21SRx) / D.W. Petersen, J.E. Lemons, and L.C. Lucas -- Comparison of stress corrosion cracking characteristics of Cp Ti, Ti-6A1-7Nb Ti-6A1-4V, and Ti-15Mo / R.S. Williamson, M.D. Roach, and L.D. Zardiackas -- Comparison of the corrosion fatigue characteristics of CP Ti-grade 4, Ti-6A1-4V ELI, Ti-6A1-7Nb, and Ti-15Mo / M.D. Roach, R.S. Williamson, and L.D. Zardiackas -- Comparison of stress corrosion cracking and corrosion fatigue (anodized and non-anodized 4 CP Ti) / L.D. Zardiackas, M.D. Roach, and R.S. Williamson -- Corrosion of modular titanium-alloy stems in cementless hip replacement / R.M. Urban, J.L. Gilbert, and J.J. Jacobs -- Influence of exposure conditions on bacterial adhesion to zirconium alloys / E.A. Yamokoski ... [et al.] -- A methodology to fabricate titanium and stainless steel wear debris for experimental use: a comparison of size, shape, and chemistry / C.M. Sprecher ... [et al.] -- Zirconium and niobium affect human osteoblasts, fibroblasts and lymphocytes in a similar manner to more traditional implant alloy materials / N.J. Hallab ... [et al.].