

## 2007 — UMAKOSHI Yukichi

### Scientific Papers/Commentary Articles

1. T. Nakano, T. Ishimoto, J.-W. Lee and Y. Umakoshi, Preferential orientation of biological apatite crystallite in original, regenerated and diseased cortical bones, *Journal of the Ceramic Society of Japan*, 116, pp. 313-315, 2008
2. M. Kashii, J. Hashimoto, T. Nakano, Y. Umakoshi and H. Yoshikawa, Alendronate treatment promotes bone formation with a less anisotropic microstructure during intramembranous ossification in rats, *Journal of Bone and Mineral Metabolism*, 26(1), pp.24-33, 2008
3. J.-W. Lee, T. Nakano, S. Toyosawa, Y. Tabata and Y. Umakoshi, Evaluation of BAp orientation using mouse models for osteoporosis (OPG-KO) and osteopetrosis (op/op), *Materials Science Forum*, 561-565, pp.761-764, 2007
4. H. Y. Yasuda, Y. Noguchi and Y. Umakoshi, Texture control in hydroxyapatite by hot forging, *Materials Transactions*, 48(8), pp. 2062-2066, 2007
5. T. Ishimoto, T. Nakano, Y. Umakoshi, M. Yamamoto and Y. Tabata, Change in material and structural parameters of bone mechanical function during long-bone regeneration, *Materials Science Forum*, 561-565, pp.1451-1454, 2007

### International Conference Proceedings

1. T. Nagase, K. Kinoshita and Y. Umakoshi, Preparation of Zr-based Metallic Glass Wire for Biomedical Application, *Proceedings of MRS*, 印刷中, 2008
2. K. Sasaki, T. Sasaki, T. Nakano, Y. Umakoshi and J. D. Ferrara, The evaluation of preferential alignment of biological apatite (BAp) crystallites in bone using transmission X-ray diffraction method, *Advance in X-ray Analysis*, 印刷中, 2008
3. T. Nakano, T. Ishimoto, J.-W. Lee and Y. Umakoshi, BAp Orientation Analysis in Original, Regenerated and Pathological Bone Tissue, "*Archives of BioCeramics Research*", 17, pp. 19-22, 2007