

2014年論文リスト（東京医科歯科大学）

1. Edalati K, Ashida M, Horita Z, Matsui T, Kato H. Wear resistance and tribological features of pure aluminum and Al-Al₂O₃ composites consolidated by high-pressure torsion. *Wear* 310: 83-89, 2014
2. Hastuty S, Tada E, Nishikata A, Tsutsumi Y, Hanawa T. Improvement of pitting corrosion resistance of type 430 stainless steel by electrochemical treatments in a concentrated nitric acid. *ISIJ International* 54(1): 199-205, 2014
3. Shimogishi M, Tsutsumi Y, Kuroda S, Munakata M, Hanawa T, Kasugai S. Effects of acidic sodium fluoride-treated, commercially pure titanium on periodontal pathogens and rat bone marrow cells. *Dental Materials Journal* 33: 70-78, 2014
4. Hayashi R, Ueno T, Migita S, Tsutsumi Y, Doi H, Ogawa T, Hanawa T, Wakabayashi N. Hydrocarbon deposition attenuates osteoblast activity on titanium. *Journal of Dental Research* 93: 698-703, 2014
5. Yu M, Chen P, Tsutsumi Y, Doi H, Ashida M, Kasugai S, Hanawa T. Formation of white oxide layer on Zr-14Nb alloy using thermal treatment. *Dental Materials Journal* 33: 490-498, 2014
6. Kajima Y, Doi H, Takaichi A, Hanawa T, Wakaqbayashi N, Doi H. Surface characteristics and castability of Zr-14Nb alloy dental castings. *Dental Materials Journal* 33: 631-637, 2014
7. Nakamura M, Kobayashi A, Nozaki K, Horiuchi N, Nagai A, Yamashita K. Improvement of osteoblast adhesion through polarization of plasma-sprayed hydroxyapatite coatings on metal. *J. Med. Biol. Eng.* 34(1): 44-48, 2014
8. Hiratai R, Nakamura M, Yamashita K. Role of collagen and inorganic components in electrical polarizability of bone. *J. Vet. Med. Sci.* 76(20): 205-210, 2014
9. Shinonaga T, Tsukamoto M, Nagai A, Yamashita K, Hanawa T, Matsushita N, Xie G, Abe N. Cell spreading on titanium dioxide film formed and modified with aerosol beam and femtosecond laser. *Appl. Surf. Sci.* 288 (1): 649-653, 2014
10. Nagai A, Hattori T, Hirose M, Ogura A, Nozaki K, Aizawa M, Yamashita K. Mouse embryonic cells cultured under serum- and feeder-free conditions maintain their self-renewal capacity on hydroxyapatite. *Mater. Sci. Eng. C* 34 (1): 218-220, 2014
11. Nakamura M, Kobayashi A, Nozaki K, Horiuchi N, Nagai A, Yamashita K. Improvement of osteoblast adhesion through polarization of plasma-sprayed hydroxyapatite coatings on metal. *J. Med. Biol. Eng.* 34 (1): 44-48, 2014
12. Hiratai R, Nakamura M, Yamashita K. Role of collagen and mineral components in electrical polarization of bone. *J. Vet. Med. Sci.* 76(2): 205-210, 2014
13. Nagai A, Suzuki Y, Tsutsumi Y, Nozaki K, Wada N, Katayama K, Hanawa T, Yamashita K. Anodic oxidation of a Co-Ni-Cr-Mo alloy and its inhibitory effect on platelet activation. *J. Biomed. Mater. Res. B* 102B (4): 659-666, 2014
14. Horiuchi N, Tsuchiya Y, Nozaki K, Nakamura M, Nagai A, Hashimoto K, Yamashita K. Thermally

- stimulated depolarization current measurements in cubic and tetragonal yttria-stabilized zirconia. *Solid State Ionics* 262: 500-503, 2014
- 15. Okura T, Kawada K, Yoshida N, Monma H, Yamashita K. Synthesis and Na⁺ conduction properties of nasicon-type glass-ceramics in the system Na₂O-Y₂O₃-R₂O₃-P₂O₅-SiO₂ (R = rare earth) and effect of Y substitution. *Solid State Ionics* 262: 604-608, 2014
 - 16. Wada N, Horiuchi N, Nakamura M, Nozaki K, Hiyama T, Nagai A, Yamashita K. Cooperative effects of polarization and polyaspartic acid on formation of calcium carbonate films with a multiple phase structure on oriented calcite substrates. *J. Cryst. Growth* 402: 179-186, 2014
 - 17. Horiuchi N, Nakaguki S, Wada N, Nozaki K, Nakamura M, Nagai A, Katayama K, Yamashita K. Polarization induced surface charge in hydroxyapatite ceramics. *J. Appl. Phys.* 116: 014902, 2014
 - 18. Nozaki K, Wang W, Horiuchi N, Nakamura M, Takakuda K, Yamashita K, Nagai A. Enhanced osteoconductivity of titanium implants by polarization-induced surface charges. *J. Biomed. Mater. Res. A* 102A (9): 3077-3086, 2014
 - 19. Tanaka M, Itoh S, Yoshioka T, Yamashita K. The therapeutic effectiveness of the Co-administration of weekly risedronate and proton pump inhibitor in osteoporosis treatment. *J. Osteoporosis* 2014: ID 607145, 2014
 - 20. Nakamura M. A study on tissue regeneration of the functionalized bioceramics. *J. Ceram. Soc. Jpn.* 122(9): 755-761, 2014
 - 21. Goda T, Oohashi M, Matsumoto A, Hoshi T, Sawaguchi T, Pumera M, Miyahara Y. Chemical optimization for simultaneous voltammetric detection of molybdenum and silver nanoparticles in aqueous buffer solutions. *Chem. Electro. Chem.* 1(12): 2110-2115, 2014
 - 22. Yao B, Liu Y, Tabata M, Zhu H, Miyahara Y. Sensitive detection of microRNA by chronocoulometry and rolling circle amplification on a gold electrode. *Chem. Commun.* 50(68): 9704-9706, 2014
 - 23. Iwasaki Y, Kimura T, Orisaka M, Kawasaki H, Goda T, Yusa S. Label-free detection of C-reactive protein using highly dispersible gold nanoparticles synthesized by reducible biomimetic block copolymers. *Chem. Commun.* 50(42): 5656-5658, 2014
 - 24. Tabata M, Nogami K, Goda T, Matsumoto A, Miyahara Y. 自己組織化有機单分子膜/AgCl 混合表面の構築と電気化学特性, Fabrication of self-assembled monolayer/AgCl mixed surface and it's electrochemical properties (in Japanese). *IEEJ Transactions on Sensors and Micromachines* 134(10): 315-319, 2014
 - 25. Goda T, Kjall P, Ishihara K, Agneta R-D, Miyahara Y. Biomimetic interfaces reveal activation dynamics of C-reactive protein in local microenvironments. *Adv. Healthcare Mater.* 3(11): 1733-1738, 2014
 - 26. Matsumoto A, Tsurui Y, Matsumoto H, Maeda Y, Hoshi T, Sawaguchi T, Miyahara Y. Chemo-electrical signal transduction by using stimuli-responsive polymer gate-modified field effect transistor. *Chemosensors* 2(2): 97-107, 2014
 - 27. Goda T, Ambrosi A, Miyahara Y, Pumera M. Simultaneous electrochemical detection of silver and

- molybdenum nanoparticles. *Chem. Electro. Chem.* 1(3): 529-531, 2014
- 28. Saito H, Goto T, Miyajima K, Munkhjargal M, Arakawa T, Mitsubayashi K. Odourless watermark (digital chemocode) system with biochemical sniff scanner. *Sensors and Materials* 26(3): 109-119, 2014
 - 29. Saito H, Suzuki Y, Gessei T, Miyajima K, Arakawa T, Mitsubayashi K. Bioelectronic sniffer (biosniffer) based on enzyme inhibition of butyrylcholinesterase for toluene detection. *Sensors and Materials* 26(3): 121-129, 2014
 - 30. Gessei T, Arakawa T, Kudo H, Saito H, Mitsubayashi K. An amperometric biosensor based on enzyme immobilization with post process for medical and multiple applications. *Analytical Letters* 47(8): 1361-1374, 2014
 - 31. Miyajima K, Suzuki Y, Miki D, Arai M, Arakawa T, Shimomura H, Shiba K, Mitsubayashi K. Direct analysis of airborne mite allergen (Der f1) in the residential atmosphere by chemiluminescent immunoassay using bioaerosol sampler. *Talanta* 123: 241-246, 2014