

8. 生体材料学分野 : Department of Dental and Biomedical Materials Science

旧 歯科理工学講座 : Department of Dental Materials Science

研究業績

A : 原著論文 (欧文)

A-a : 学術雑誌に掲載された原著論文 (症例報告を含む)

注 : Impact Factor は () で括り最後尾へ

1. Takase K, Watanabe I, Kurogi T, Murata H: Evaluation of glass transition temperature and dynamic mechanical properties of autopolymerized hard direct denture reline resins. *Dent Mater J* 34(2):211-218, 2015 (IF: 0.968)
2. Matsunaga J, Watanabe I, Nakao N, Watanabe E, Elshahawy W, Yoshida N: Joining characteristics of titanium-based orthodontic wires connected by laser and electrical welding methods. *J Mater Sci- Mater Med* 26(1):5391-9, 2015 (IF: 2.587)
3. Takeichi T, Miura S, Kasahara S, Egusa H, Hara M, Sato T, Yoshinari M, Odatsu T, Watanabe I, Sawase T: Update zirconia restorations. *J Prosthodont Res* 59(2):81-3, 2015 (IF: 1.547)
4. Wang J, Matsuda N, Shinozaki N, Miyoshi N, Shiraishi T: Effect of SUS316L stainless steel surface conditions on the wetting of molten multi-component oxides ceramic. *Appl Surf Sci* 327: 470-477, 2015 (IF: 2.711)
5. Valanezhad A, Tsuru K, Ishikawa K: Fabrication of strongly attached hydroxyapatite coating on titanium by hydrothermal treatment of Ti-Zn-PO₄ coated titanium in CaCl₂ solution. *J Mater Sci- Mater Med* 26: Article number 212, 2015 (IF: 2.587)

B : 原著論文 (邦文)

B-a : 学術雑誌に掲載された原著論文 (症例報告を含む)

1. 小関弘展, 堀内英彦, 志田崇之, 依田 周, 野口智恵子, 尾崎 誠, 白石孝信, 渡邊郁哉, 馬場恒明: 炭素イオン注入したチタン合金表面の耐腐食性評価. *日本関節病学会誌*, 34(4): 543-548, 2015

B-d : 学内紀要 (各省庁等の研究助成金及び研究委託費による研究成果を含む)

1. 白石孝信, 湯蓋邦夫: 生体骨代替用 Ti-Zr-Nb 系合金の開発. 平成 26 年度東北大学金属材料研究所新素材共同研究開発センター共同利用研究報告書, p. 54-55, 2015

A : 学会発表 (国際学会/シンポジウムを含む)

A-a : 招待講演, 特別講演, 受賞講演

1. Valanezhad A: 150 years modern medicine in Japan and Nagasaki University, Tehran University of Medical Science, School of Dentistry, Tehran, Iran, 2015 (招待講演)
2. Valanezhad A: Biomaterials surface treatments for medical and dental applications, Tehran University of Medical Science, School of Advanced Technologies in Medicine, Tehran, Iran, 2015 (招待講演)
3. Valanezhad A: 150 years modern medicine in Japan and Nagasaki University, Tehran University of Medical Science, School of Medicine, Tehran, Iran, 2015 (招待講演)

A-b : シンポジウム及び学会での一般講演 (ポスターを含む)

1. Watanabe I, Hayashi T, Kurogi T, Shiraishi T, Murata H: Effect of Laser Emission Parameters on Mechanical Properties of Cast Pure Titanium. The 93rd General Session & Exhibition of the IADR, Boston, MA, USA, March 11-14, 2015 {Abstract No. 697, 2015}
2. Yoshida K, Watanabe I, Sakota S, Murata H: Grindability of Dental Ceramics Ground with Low Speed Handpiece Engine Wheels. The 93rd General Session & Exhibition of the IADR, Boston, MA, USA, March 11-14, 2015 {Abstract No. 2123, 2015}
3. Kurogi T, Watanabe I, Murata H: Properties and Biological Performance of Glass-ionomer Cement Modified by Bioactive Glass. The 93rd General Session & Exhibition of the IADR, Boston, MA, USA, March 11-14, 2015 {Abstract No. 3692, 2015}
4. Watanabe I, Nakao N, Sakota S: Cutting efficiency of air-turbine burs on dental ceramics. Biennial Joint Congress of JPS-CPS-KAP, Hakone, Kanagawa, Japan, April 10-12, 2015 {Abstract No. P-35, 2015}
5. Valanezhad A, Watanabe I: Effects of bioactive glass nanoparticles on glass ionomer cement properties. International Porous Powder Materials (PPM), Izmir, Turkey, September 15-18, 2015 {Abstract No. 701, 2015}
6. Yang J, Matsuya S, Uchiyama M, Valanezhad A, Watanabe I, Fujiyama H: Flexible DLC Coating on Silicone Catheter and its Biological Property. The 10th Asian-European International Conference on Plasma Surface Engineering (AEPSE2015), Jeju, Korea, September 20-24, 2015 {Abstract No. O-098}
7. Nourani M, Sumita Y, Valanezhad A, Watanabe I, Asahina I: Evaluation of the bone regeneration potential of bioactive glass enhanced with PRP and BMP2 in an augmentation model. A comparative study. The 15th Meeting of Iranian Academy of Periodontology, Tehran, Iran, October 6-9, 2015 {Abstract} (The best poster award 受賞)
8. Valanezhad A, Shiraishi T, Sawase T, Watanabe I: Mechanical and biological performance of glass ionomer cement

modified by bioactive glass nanoparticles. 27th Symposium and Annual Meeting of The International Society for Ceramics in Medicine, Bali, Indonesia, October 27-29, 2015 {Abstract No. P29, 2015}

B : 国内の年会, 学会

B-b : シンポジウム及び学会での一般講演 (ポスターを含む)

1. Valanezhad A, Shiraishi T, Watanabe I: Modification of glass ionomer cement for dental application, 公益社団法人日本セラミックス協会 2015 年年会, 岡山, 3 月 {日本セラミックス協会 講演予稿集, P108, 2015}
2. Valanezhad A, Shiraishi T, Watanabe I: Characterization of modified glass ionomer cement by addition of bioactive glass, 第 65 回日本歯科理工学会学術講演会, 仙台, 4 月 {日本歯科理工学会誌, 34(2), p. 87, 2015}
3. He X, Valanezhad A, Shiraishi T, Watanabe I: Coating of Stainless Steel by Alkali Treatment Method for Orthodontic Applications, 第 65 回日本歯科理工学会学術講演会, 仙台, 4 月 {日本歯科理工学会誌, 34(2), p. 117, 2015}
4. He X, Valanezhad A, Shiraishi T, Yoshida N, Watanabe I: Alkali treatment of stainless steel for orthodontic applications. 平成 27 年度日本歯科理工学会九州地方会夏期セミナー, 鹿児島, 8 月 {プログラム}
5. Suzue M, Valanezhad A, Nakamura K, Shiraishi T, Watanabe I: Effect of different surface treatments of titanium and stainless steel on the adhesion strength of resin. 平成 27 年度日本歯科理工学会九州地方会夏期セミナー, 鹿児島, 8 月 {プログラム} (日本歯科理工学会九州地方会奨励賞受賞)
6. Yamada M, Valanezhad A, Murata H, Watanabe I: Fabrication of zirconia discs covered by TZ-B125 and TZ-B53 beads. 平成 27 年度日本歯科理工学会九州地方会夏期セミナー, 鹿児島, 8 月 {プログラム}
7. Valanezhad A, Watanabe I: Bioactive glass coating on the zirconia, 第 66 回日本歯科理工学会学術講演会, 東京, 10 月 {日本歯科理工学会誌, 34 (5), p. 394, 2015}
8. He X, Valanezhad A, Shiraishi T, Watanabe I: Alkali Treatment of Stainless Steel for Orthodontic Applications, 第 66 回日本歯科理工学会学術講演会, 東京, 10 月 {日本歯科理工学会誌, 34(5), p. 361, 2015}