

## 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. Sakoda S, Nakao N, Watanabe I. The effect of abrading and cutting instruments on machinability of dental ceramics. *Journal of Materials Science: Materials in Medicine* 29(34): 4-8, 2018 (IF: 2.448)
2. Shi X, Zhu H, Valanezhad A, Xu L, Xu L, Qian Q. Influences of surface finishes on properties of biological zinc phosphate conversion coating on titanium. *Physica Status Solidi A* 1800143: 1-7, 2018 (IF: 1.795)
3. Khodaei M, Valanezhad A, Watanabe I. Fabrication and characterization of porous beta-tricalcium phosphate scaffold for bone replacement. *Journal of environmental friendly Materials* 2(2), 1-4, 2018
4. Khodaei M, KhodaBande E, Nazemi H, Valanezhad A, Watanabe I. Corrosion behavior of bioactivated titanium dental implant using different chemical methods. *Journal of Advanced Materials and Processing* 6(1): 14-20, 2018
5. Shebl S, Valanezhad A, Abdel-Karim U, Abdalla A, Elkafrawy H, Watanabe I. Shrinkage stress of high and low viscosity bulk-fill composites with incremental and bulk fill techniques. *Tanta Dental Journal* 15: 224-233, 2018
6. Khoshzaban A, Keyhanvar P, Delrish E, Najafi F, Heidari S, Watanabe I, Valanezhad A, Jafarzadeh T. Media charge potential of alginate microcapsules: In-vitro study. *Cell Journal (Yakhteh)* 20(1): 77, 2018 (IF: 0.820)

#### B : 原著論文 (邦文)

B-c : 著書・教科書・プロシーディングス等 (分担を含む)

1. 渡邊郁哉. スタンダード歯科理工学—生体材料と歯科材料— 第6版, “第10章 歯科用金属材料 D. 熱処理, E. 歯科用合金”

#### 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. Watanabe I. Clinical applications of dental biomaterials based on materials science. The 120 years anniversary of Qingdao University, Qingdao, China, Dec 2018 (招待講演)

#### 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. Nakao N, Tashima Y, Watanabe I : Thermal conductivity behavior on electrical welded orthodontic wires with different alloy. 第72回日本歯科理工学会学術講演会, 札幌, 10月. {日本歯科理工学会誌. 37(5): p80, 2018}
2. Asadi S, Valanezhad A, Watanabe I, Saeid T : Microstructure and mechanical properties control of dissimilar laser welding of stainless steel and NiTi shape memory orthodontic wires. 第71回日本歯科理工学会学術講演会, 大阪, 4月. {日本歯科理工学会誌. 37(2): p94, 2018}
3. Jafarnia S, Valanezhad A, Shahabi S, Watanabe I : Comparison of microtensile bond strength of three commercially available bonding agents. 第71回日本歯科理工学会学術講演会, 大阪, 4月. {日本歯科理工学会誌. 37(2): p86, 2018}