

8. 生体材料学：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. T. Kataoka T. S. Abe S. and M. Tagaya M. Surface-engineered design of efficient luminescent europium (III) complex-based hydroxyapatite nanocrystals for rapid HeLa cancer cell imaging. *ACS Applied Materials & Interfaces*, 11(9);8915–8927, 2019 (IF: 8.456) (査読あり)
2. Valanezhad A., Savabi O, Nejatidanesh F, Khodaei M, Shirani M, Watanabe I. The Effect of Vacuum Leak Rate on Sintering of Porous Titanium Scaffold, *e-Journal of Surface Science and Nanotechnology*, 17;184-188, 2019 (IF: 0.630) (査読あり)
3. Kitagawa Y, Yoshida K, Takase K, Valanezhad A., Watanabe I., Kojio K, Murata H, Evaluation of viscoelastic properties, hardness, and glass transition temperature of soft denture liners and tissue conditioner, *Odontology*, 1-10, 2019 (IF: 1.780)
4. Yamada M, Valanezhad A., Egoshi T, Tashima Y, Watanabe I., Murata H: Bioactive Glass Coating on Zirconia by Vacuum Sol-Dipping Method, *Dental Materials Journal*, 38(4); 663-670, 2019 (IF: 1.424) (査読あり)
5. Khodaei M, Nejatidanesh F, Shirani M, Valanezhad A., Watanabe I., Savabi O, The effect of the nano-bioglass reinforcement on magnesium based composite, *Journal of the Mechanical Behavior of Biomedical Materials*, 100; 103396, 2019 (IF: 3.485) (査読あり)
6. He X, Valanezhad A., Yoshida N, Watanabe I.: Assessment of characteristics and cytotoxic effects of 316L stainless steel coated with a new titanium oxide nano-structure coating method, *Dental Materials Journal*, 38(4); 604-610, 2019 (IF: 1.424) (査読あり)
7. Maleki M, Karimian H, Shokouhimehr M; Ahmadi R, Valanezhad A., Beitollahi A: Development of Graphitic Domains in Carbon Foams for High Efficient Electro/Photo-to-Thermal Energy Conversion Phase Change Composites, *Chemical Engineering Journal*, 362;469-481, 2019 (IF: 8.355) (査読あり)

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” (査読なし)

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）

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

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. Seitoku E., Nakanishi K., Bandoh Y., Era Y., Iwata S., Abe S., Nakamura M., Watanabe I., and Sano H. Model drug-released behavior from medical materials using nanoporous silica. The 19th Asian BioCeramics Symposium, Chang Gung Memorial Hospital, Tao-Yuan, Taiwan, ROC, Dec 9-11, 2019
2. Era Y, Farhana F, Iwata S, Abe S., Nakamura M, Watanabe I., and Yoshida Y. Drug release behavior from dental/medical materials using nanoporous silica. The 20th Chitose International Forum of Science and Technology. Grand Terrace Chitose, Japan, Oct. 14, 2019.
3. Tamaki H, Abe S., Yamagata S, Yoshida Y, Iida J, and Sato Y. Multifunctional surface modification on dental orthodontic wire surface: Suppression of metal ions elution and antibacterial property. Nano Korea, KINTEX, Ilusan, Korea, Jul. 2-5, 2019.

B：国内の年会，学会

B-a：招待講演，特別講演，受賞講演

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. 江良裕子，中西康，阿部薫明，玉井美保，赤坂司，吉田靖弘：ナノポーラス物質含有による歯科用シーラント材料から薬剤徐放特性の検討。第74回日本歯科理工学会学術講演会，長崎，10月。（日本歯科理工学会誌，38(特別号74)：p47，2019)
2. Valanezhad Alireza., Kodama Kouta, Abe Shigeaki., Watanabe Ikuya.: Parascholzite coating on the zinc phosphatized zirconia implant, 第74回日本歯科理工学会学術講演会，長崎，10月。（日本歯科理工学会誌，38(特別号74)：p51，2019)
3. Safaee Sirius, Valanezhad Alireza., Jafarnia Shiva, Nesabi Mahdis, Shigeaki Abe., Watanabe Ikuya. “ Surface modification of titanium substrate with bioactive glass, 第74回日本歯科理工学会学術講演会，長崎，10月。（日本歯科理工学会誌，38(特別号74)：p72，2019)
4. Jafarnia Shiva, Valanezhad Alireza., Safaee Sirius, Nesabi Mahdis, Abe Shigeaki., Watanabe Ikuya.: Effect of filler loading on ion release, mechanical properties and biocompatibility of pit and fissure sealant containing bioactive glass, 第74回日本歯科理工学会学術講演会，長崎，10月。（日本歯科理工学会誌，38(特別号74)：p11，2019)