

# Masaya Shimabukuro

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

346  
citations

840776

11  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

190  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of carbonate ions in phosphate solution on the fabrication of carbonate apatite through a dissolution-precipitation reaction. <i>Ceramics International</i> , 2022, 48, 1032-1037.	4.8	9
2	Surface Functionalization of Titanium for the Control and Treatment of Infections. <i>Springer Series in Biomaterials Science and Engineering</i> , 2022, , 195-212.	1.0	0
3	Antibacterial Honeycomb Scaffolds for Achieving Infection Prevention and Bone Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 3762-3772.	8.0	23
4	No-Observed-Effect Level of Silver Phosphate in Carbonate Apatite Artificial Bone on Initial Bone Regeneration. <i>ACS Infectious Diseases</i> , 2022, 8, 159-169.	3.8	13
5	Effects of pore interconnectivity on bone regeneration in carbonate apatite blocks. <i>International Journal of Energy Production and Management</i> , 2022, 9, rbac010.	3.7	7
6	Fabrication and histological evaluation of porous carbonate apatite blocks using disodium hydrogen phosphate crystals as a porogen and phosphatization accelerator. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 1278-1290.	4.0	3
7	Surface functionalization with copper endows carbonate apatite honeycomb scaffold with antibacterial, proangiogenic, and pro-osteogenic activities. , 2022, 135, 212751.		9
8	Initial formation kinetics of calcium phosphate on titanium in Hanks' solution characterized using XPS. <i>Surface and Interface Analysis</i> , 2021, 53, 185-193.	1.8	13
9	Enhancement of antibacterial property of titanium by two-step micro arc oxidation treatment. <i>Dental Materials Journal</i> , 2021, 40, 592-598.	1.8	16
10	Investigation of the Long-Term Antibacterial Properties of Titanium by Two-Step Micro-Arc Oxidation Treatment. <i>Coatings</i> , 2021, 11, 798.	2.6	11
11	Corrosion Behavior and Bacterial Viability on Different Surface States of Copper. <i>Zairyo To Kankyo/Corrosion Engineering</i> , 2021, 70, 265-270.	0.2	0
12	Development of Novel Implant Material Surface with Controllable Antibacterial Properties. <i>Denki Kagaku</i> , 2021, 89, 346-352.	0.0	0
13	Antibacterial Property and Biocompatibility of Silver, Copper, and Zinc in Titanium Dioxide Layers Incorporated by One-Step Micro-Arc Oxidation: A Review. <i>Antibiotics</i> , 2020, 9, 716.	3.7	72
14	Effects of Micro-Arc Oxidation Process Parameters on Characteristics of Calcium-Phosphate Containing Oxide Layers on the Selective Laser Melted Ti13Zr13Nb Alloy. <i>Coatings</i> , 2020, 10, 745.	2.6	27
15	Time-Transient Effects of Silver and Copper in the Porous Titanium Dioxide Layer on Antibacterial Properties. <i>Journal of Functional Biomaterials</i> , 2020, 11, 44.	4.4	18
16	Investigation of antibacterial effect of copper introduced titanium surface by electrochemical treatment against facultative anaerobic bacteria. <i>Dental Materials Journal</i> , 2020, 39, 639-647.	1.8	17
17	Corrosion Behavior and Bacterial Viability on Different Surface States of Copper. <i>Materials Transactions</i> , 2020, 61, 1143-1148.	1.2	8
18	Chemical and Biological Roles of Zinc in a Porous Titanium Dioxide Layer Formed by Micro-Arc Oxidation. <i>Coatings</i> , 2019, 9, 705.	2.6	21

#	ARTICLE	IF	CITATIONS
19	Investigation of Realizing Both Antibacterial Property and Osteogenic Cell Compatibility on Titanium Surface by Simple Electrochemical Treatment. ACS Biomaterials Science and Engineering, 2019, 5, 5623-5630.	5.2	38
20	The Effects of Various Metallic Surfaces on Cellular and Bacterial Adhesion. Metals, 2019, 9, 1145.	2.3	22
21	Electrochemical Surface Treatment of a $\beta$ -titanium Alloy to Realize an Antibacterial Property and Bioactivity. Metals, 2016, 6, 76.	2.3	19