

Yusuke Tsutsumi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133
papers

2,841
citations

27
h-index

49
g-index

137
ext. papers

3,348
ext. citations

3.7
avg, IF

5
L-index

#	Paper	IF	Citations
133	Osteogenic Differentiation of Human Mesenchymal Stem Cells Modulated by Surface Manganese Chemistry in SLA Titanium Implants.. <i>BioMed Research International</i> , 2022 , 2022, 5339090	3	0
132	Hydrogen Entry Behavior on Steel Materials Exposed to Wet-dry Cyclic Corrosive Environment Using Surface Potential Measurement. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2022 , 108, 260-267	0.5	
131	Corrosion Behavior and Bacterial Viability on Different Surface States of Copper. <i>Zairyo To Kankyo/Corrosion Engineering</i> , 2021 , 70, 265-270	0.5	
130	Influence of Rainfall on Atmospheric Corrosion Behavior of Carbon Steel. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2021 , 107, 1004-1010	0.5	1
129	Hydrogen Entry Behavior on Steel Materials Exposed to Wet-dry Cyclic Corrosive Environment Using Surface Potential Measurement. <i>ISIJ International</i> , 2021 , 61, 1215-1221	1.7	0
128	Enhancement of antibacterial property of titanium by two-step micro arc oxidation treatment. <i>Dental Materials Journal</i> , 2021 , 40, 592-598	2.5	5
127	Development of Electrochemical Surface Treatment for Improvement of Localized Corrosion Resistance of Zirconium in Chloride Environment. <i>Materials Transactions</i> , 2021 , 62, 788-796	1.3	1
126	Reduction in anisotropic response of corrosion properties of selective laser melted Co-Cr-Mo alloys by post-heat treatment. <i>Dental Materials</i> , 2021 , 37, e98-e108	5.7	6
125	Bioinspired low-magnetic Zr alloy with high strength and ductility. <i>Scripta Materialia</i> , 2021 , 199, 113856	5.6	1
124	Investigation of the Long-Term Antibacterial Properties of Titanium by Two-Step Micro-Arc Oxidation Treatment. <i>Coatings</i> , 2021 , 11, 798	2.9	2
123	Crystallographic texture- and grain boundary density-independent improvement of corrosion resistance in austenitic 316L stainless steel fabricated via laser powder bed fusion. <i>Additive Manufacturing</i> , 2021 , 45, 102066	6.1	3
122	Development of Novel Implant Material Surface with Controllable Antibacterial Properties. <i>Denki Kagaku</i> , 2021 , 89, 346-352	0	
121	Development of Electrochemical Surface Treatment to Visualize Critical Corrosion-Inducing Inclusions of Zr in Chloride Environments. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 121505	3.9	0
120	Effects of process parameters on the mechanical properties of additively manufactured Zr-1Mo alloy builds. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 104, 103655	4.1	10
119	Time-Transient Effects of Silver and Copper in the Porous Titanium Dioxide Layer on Antibacterial Properties. <i>Journal of Functional Biomaterials</i> , 2020 , 11,	4.8	10
118	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	2.5	8
117	Design of Zirconium Quaternary System Alloys and Their Properties. <i>Materials Transactions</i> , 2020 , 61, 776-781	1.3	1

116	Effect of Impurity Elements on Localized Corrosion of Zirconium in Chloride Containing Environment. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 141507	3.9	2
115	Corrosion Behavior and Bacterial Viability on Different Surface States of Copper. <i>Materials Transactions</i> , 2020 , 61, 1143-1148	1.3	3
114	Development of Electrochemical Surface Treatment for Improvement of Localized Corrosion Resistance of Zirconium in Chloride Environment. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2020 , 69, 307-314	0.5	1
113	Changes in surface properties of dental alloys with atmospheric plasma irradiation. <i>Dental Materials Journal</i> , 2020 , 39, 375-380	2.5	
112	Mechanism of Electrodeposition Process of Poly(Ethylene Glycol) Diamine to Titanium Surface. <i>Materials Transactions</i> , 2020 , 61, 1346-1354	1.3	1
111	Development of Ultrahigh Corrosion Resistant Metallic Materials [Improvement of Corrosion Resistance of Martensitic Stainless Steel by Selective Laser Melting Process] <i>Materia Japan</i> , 2020 , 59, 679-684	0.1	
110	On the mechanical biocompatibility of Ti-15Zr-based alloys for potential use as load-bearing implants. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 1241-1250	5.5	7
109	Influence of magnetic susceptibility and volume on MRI artifacts produced by low magnetic susceptibility Zr-14Nb alloy and dental alloys. <i>Dental Materials Journal</i> , 2020 , 39, 256-261	2.5	4
108	Effects of quenching process on microstructure, mechanical properties and magnetic susceptibility in Zr1Mo alloy fabricated by powder bed fusion process. <i>Materials and Design</i> , 2020 , 187, 108356	8.1	7
107	Mechanical Properties and Corrosion Resistance of MagnesiumHydroxyapatite Composites Fabricated by Spark Plasma Sintering. <i>Metals</i> , 2020 , 10, 1314	2.3	4
106	The change of surface charge by lithium ion coating enhances protein adsorption on titanium. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 100, 103393	4.1	6
105	Surface characterization of commercially available yttria-stabilized tetragonal zirconia polycrystalline in water and Hanks' solution using X-ray photoelectron spectroscopy. <i>Dental Materials Journal</i> , 2019 , 38, 496-504	2.5	2
104	Investigation of Realizing Both Antibacterial Property and Osteogenic Cell Compatibility on Titanium Surface by Simple Electrochemical Treatment. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 5623-5630	5.5	24
103	Surface Modification with Micro-arc Oxidation 2019 , 523-534		0
102	Three-dimensional quantification of magnetic resonance imaging artifacts associated with shape factors. <i>Dental Materials Journal</i> , 2019 , 38, 638-645	2.5	3
101	Chemical and Biological Roles of Zinc in a Porous Titanium Dioxide Layer Formed by Micro-Arc Oxidation. <i>Coatings</i> , 2019 , 9, 705	2.9	14
100	The Effects of Various Metallic Surfaces on Cellular and Bacterial Adhesion. <i>Metals</i> , 2019 , 9, 1145	2.3	13
99	Excellent mechanical and corrosion properties of austenitic stainless steel with a unique crystallographic lamellar microstructure via selective laser melting. <i>Scripta Materialia</i> , 2019 , 159, 89-93	5.6	145

98	In Vivo Periodontium Formation Around Titanium Implants Using Periodontal Ligament Cell Sheet. <i>Tissue Engineering - Part A</i> , 2018 , 24, 1273-1282	3.9	18
97	Surface changes of yttria-stabilized zirconia in water and Hanks solution characterized using XPS. <i>Surface and Interface Analysis</i> , 2018 , 50, 587-591	1.5	6
96	Growth mechanisms of Ca- and P-rich MAO films in Ti-15Zr-xMo alloys for osseointegrative implants. <i>Surface and Coatings Technology</i> , 2018 , 344, 373-382	4.4	30
95	Evaluation of corrosion resistance of implant-use Ti-Zr binary alloys with a range of compositions. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 73-79	3.5	30
94	Inverse response of osteoblasts and fibroblasts to growth on carbon-deposited titanium surfaces. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 1869-1877	3.5	6
93	Effect of incorporation of surface pre-reacted glass ionomer filler in tissue conditioner on the inhibition of <i>Candida albicans</i> adhesion. <i>Dental Materials Journal</i> , 2018 , 37, 453-459	2.5	4
92	Adhesion and differentiation behaviors of mesenchymal stem cells on titanium with micrometer and nanometer-scale grid patterns produced by femtosecond laser irradiation. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2735-2743	5.4	27
91	Effects of Cold Swaging on Mechanical Properties and Magnetic Susceptibility of the Zr-Mo Alloy. <i>Metals</i> , 2018 , 8, 454	2.3	7
90	Activity Report from the 4th Sectional Committee on the Delegation Program for Young Researchers to Medical and Dental Conferences. <i>Materia Japan</i> , 2018 , 57, 504-506	0.1	
89	Effect of adding support structures for overhanging part on fatigue strength in selective laser melting. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 78, 1-9	4.1	22
88	Heterogeneous microstructures and corrosion resistance of biomedical Co-Cr-Mo alloy fabricated by electron beam melting (EBM). <i>Additive Manufacturing</i> , 2018 , 24, 103-114	6.1	24
87	Fundamental Electrochemical Measurement for Corrosion Study-Potentiostatic Method-. <i>Zairyo To Kankyo/Corrosion Engineering</i> , 2018 , 67, 97-102	0.5	
86	Biosafety, stability, and osteogenic activity of novel implants made of ZrNiCuAl bulk metallic glass for biomedical application. <i>Acta Biomaterialia</i> , 2018 , 74, 505-517	10.8	18
85	Effects of controlled micro-/nanosurfaces on osteoblast proliferation. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 2589-2596	5.4	12
84	Inhibitory Effect of Zirconium Coating to Bone Bonding of Titanium Implants in Rat Femur. <i>Materials Transactions</i> , 2017 , 58, 113-117	1.3	7
83	History and Perspective of Metal-based Biomaterials. <i>Materia Japan</i> , 2017 , 56, 204-204	0.1	
82	Response of preosteoblasts to titanium with periodic micro/nanometer scale grooves produced by femtosecond laser irradiation. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 3456-3464	5.4	7
81	Deposition of boron doped DLC films on TiNb and characterization of their mechanical properties and blood compatibility. <i>Science and Technology of Advanced Materials</i> , 2017 , 18, 76-87	7.1	10

80	Magnetic susceptibility, artifact volume in MRI, and tensile properties of swaged Zr-Ag composites for biomedical applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 66, 152-158	4.1	12
79	Micron/Submicron Hybrid Topography of Titanium Surfaces Influences Adhesion and Differentiation Behaviors of the Mesenchymal Stem Cells. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 324-36	4	13
78	Fabrication and Characterization of a Low Magnetic Zr-1Mo Alloy by Powder Bed Fusion Using a Fiber Laser. <i>Metals</i> , 2017 , 7, 501	2.3	16
77	Effect of Ta content on the magnetic susceptibility of Zr-Ta binary alloys preventing artefacts for MRI. <i>Advances in Materials and Processing Technologies</i> , 2016 , 2, 606-614	0.8	2
76	Designing and Processing of Dental Implants. <i>Materia Japan</i> , 2016 , 55, 133-136	0.1	1
75	Effect of strontium ions on calcification of preosteoblasts cultured on porous calcium- and phosphate-containing titanium oxide layers formed by micro-arc oxidation. <i>Dental Materials Journal</i> , 2016 , 35, 627-34	2.5	9
74	Cytocompatibility of Ti ₆ Al ₄ Nb through High-Pressure Torsion Processing. <i>Materials Transactions</i> , 2016 , 57, 2020-2025	1.3	5
73	Effect of Heat Treatment and the Fabrication Process on Mechanical Properties of Zr-14Nb Alloy. <i>Materials Transactions</i> , 2016 , 57, 2060-2064	1.3	4
72	Electrochemical Surface Treatment of a Titanium Alloy to Realize an Antibacterial Property and Bioactivity. <i>Metals</i> , 2016 , 6, 76	2.3	17
71	Surface Composition and Corrosion Resistance of Co-Cr Alloys Containing High Chromium. <i>Materials Transactions</i> , 2016 , 57, 2033-2040	1.3	11
70	Micro Arc Oxidation of Ti-15Zr-7.5Mo Alloy. <i>Materials Transactions</i> , 2016 , 57, 2015-2019	1.3	5
69	Phospholipid polymer electrodeposited on titanium inhibits platelet adhesion. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016 , 104, 554-60	3.5	8
68	Differences in the calcification of preosteoblast cultured on sputter-deposited titanium, zirconium, and gold. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 639-651	5.4	9
67	Hierarchical periodic micro/nano-structures on nitinol and their influence on oriented endothelialization and anti-thrombosis. <i>Materials Science and Engineering C</i> , 2015 , 57, 1-6	8.3	30
66	The effect of different component ratios in block polymers and processing conditions on electrodeposition efficiency onto titanium. <i>Applied Surface Science</i> , 2015 , 355, 784-791	6.7	7
65	Superplasticity in the Ti ₆ Al ₄ Nb alloy processed by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 640, 449-453	5.3	24
64	Modulation of friction dynamics in water by changing the combination of the loop- and graft-type poly(ethylene glycol) surfaces. <i>Soft Matter</i> , 2015 , 11, 936-42	3.6	8
63	Reaction of calcium and phosphate ions with titanium, zirconium, niobium, and tantalum. <i>Surface and Interface Analysis</i> , 2015 , 47, 1148-1154	1.5	8

62	Microstructure and Mechanical Properties of Large-Scale Ingots of the Zr-1Mo Alloy. <i>Materials Transactions</i> , 2015 , 56, 1544-1548	1.3	9
61	Overview of the 5th International Symposium on Advanced Materials Development and Integration of Novel Structural Metallic and Inorganic Materials (AMDI-5). <i>Materia Japan</i> , 2015 , 54, 239-241	0.1	
60	Evaluation of Release and Accumulation of Metal Ions from Titanium and Nickel by Accelerated Dissolution Test in Simulated Body Environments. <i>Electrochemistry</i> , 2015 , 83, 1048-1052	1.2	3
59	Calcification of MC3T3-E1 cells on titanium and zirconium. <i>Dental Materials Journal</i> , 2015 , 34, 713-8	2.5	4
58	G0400303 Blood compatibility of a-BC:H films prepared by pulsed plasma CVD. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2015 , 2015, _G0400303--_G0400303-	0	
57	Hydrocarbon Deposition Attenuates Osteoblast Activity on Titanium. <i>Journal of Dental Research</i> , 2014 , 93, 698-703	8.1	53
56	Corrosion Resistance of Zr as Metallic Biomaterials. <i>Zairyo To Kankyo/Corrosion Engineering</i> , 2014 , 63, 360-364	0.5	6
55	The influence of heat treatment on the mechanical properties of Ni-Ti file materials. <i>Dental Materials Journal</i> , 2014 , 33, 27-31	2.5	12
54	Improvement of Pitting Corrosion Resistance of Type 430 Stainless Steel by Electrochemical Treatments in a Concentrated Nitric Acid. <i>ISIJ International</i> , 2014 , 54, 199-205	1.7	6
53	Formation of white oxide layer on Zr-14Nb alloy using thermal treatment. <i>Dental Materials Journal</i> , 2014 , 33, 490-8	2.5	6
52	Evaluation of biofilm formation in the presence of saliva on poly(ethylene glycol)deposited titanium. <i>Dental Materials Journal</i> , 2014 , 33, 638-47	2.5	12
51	Effects of acidic sodium fluoride-treated, commercially pure titanium on periodontal pathogens and rat bone marrow cells. <i>Dental Materials Journal</i> , 2014 , 33, 70-8	2.5	2
50	Microstructures and Mechanical Properties of Ti-6Al-7Nb Processed by High-pressure Torsion. <i>Procedia Engineering</i> , 2014 , 81, 1523-1528		16
49	Anodic oxidation of a CoNiCrMo alloy and its inhibitory effect on platelet activation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 659-66	3.5	5
48	Effect of cold rolling on the magnetic susceptibility of Zr-14Nb alloy. <i>Acta Biomaterialia</i> , 2013 , 9, 5795-801.8	1.8	29
47	Three-dimensional quantification of susceptibility artifacts from various metals in magnetic resonance images. <i>Acta Biomaterialia</i> , 2013 , 9, 8433-9	10.8	40
46	Localized Corrosion Resistance of Co-Cr Alloy in NaCl Solution 2013 , 2451-2454		
45	Microstructures and mechanical properties of Co-29Cr-6Mo alloy fabricated by selective laser melting process for dental applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013 , 21, 67-76	4.1	288

44	Accelerated Calcium Phosphate Formation on Titanium Utilizing Galvanic Current between Titanium and Gold in Hank's Solution. <i>Materials Transactions</i> , 2013 , 54, 149-155	1.3	1
43	Influence of electrolytic treatment time on the corrosion resistance of Ni-Ti orthodontic wire. <i>Dental Materials Journal</i> , 2013 , 32, 305-10	2.5	6
42	Long-Term Corrosion Behavior of Biocompatible Type Ti Alloy in Simulated Body Fluid. <i>Journal of the Electrochemical Society</i> , 2012 , 159, C435-C440	3.9	16
41	Effects of chromium and nitrogen content on the microstructures and mechanical properties of as-cast Co-Cr-Mo alloys for dental applications. <i>Acta Biomaterialia</i> , 2012 , 8, 2856-62	10.8	77
40	Characterization of air-formed surface oxide film on a Co-Ni-Cr-Mo alloy (MP35N) and its change in Hank's Solution. <i>Applied Surface Science</i> , 2012 , 258, 5490-5498	6.7	27
39	Enhancement of Calcium Phosphate Formation on Zirconium by Combination of Simple Electrochemical Treatments. <i>Key Engineering Materials</i> , 2012 , 529-530, 565-569	0.4	1
38	Micro-arc oxidation treatment to improve the hard-tissue compatibility of Ti-9Nb-13Ta-4.6Zr alloy. <i>Applied Surface Science</i> , 2012 , 262, 34-38	6.7	53
37	Pitting Corrosion of Type 430 Stainless Steel in the Process of Drying of Chloride Solution Layer. <i>ISIJ International</i> , 2012 , 52, 863-867	1.7	5
36	Electrically polarized micro-arc oxidized TiO ₂ coatings with enhanced surface hydrophilicity. <i>Acta Biomaterialia</i> , 2012 , 8, 860-5	10.8	46
35	Synthesis of novel oxide layers on titanium by combination of sputter deposition and micro-arc oxidation techniques. <i>Dental Materials Journal</i> , 2011 , 30, 754-61	2.5	14
34	Effects of pH, Potential, and Deposition Time on the Durability of Collagen Electrodeposited to Titanium. <i>Materials Transactions</i> , 2011 , 52, 81-89	1.3	10
33	Preparation of novel polymer-metal oxide nanocomposites with nanophase separated hierarchical structure. <i>Bulletin of Materials Science</i> , 2011 , 34, 1289-1296	1.7	5
32	Effects of phase constitution on magnetic susceptibility and mechanical properties of Zr-rich Zr-Mo alloys. <i>Acta Biomaterialia</i> , 2011 , 7, 4259-66	10.8	78
31	Microstructure and mechanical properties of as-cast Zr-Nb alloys. <i>Acta Biomaterialia</i> , 2011 , 7, 4278-84	10.8	120
30	Bone healing of commercial oral implants with RGD immobilization through electrodeposited poly(ethylene glycol) in rabbit cancellous bone. <i>Acta Biomaterialia</i> , 2011 , 7, 3222-9	10.8	40
29	Surface structures and osteoblast response of hydrothermally produced CaTiO ₃ thin film on Ti-13Nb-13Zr alloy. <i>Applied Surface Science</i> , 2011 , 257, 7856-7863	6.7	19
28	Microstructure and mechanical properties of Pt-added and Pd-added Zr-20Nb alloys and their metal release in 1mass% lactic acid solution. <i>Materials Science and Engineering C</i> , 2011 , 31, 900-905	8.3	21
27	Enhancement of calcium phosphate formation on zirconium by micro-arc oxidation and chemical treatments. <i>Surface and Coatings Technology</i> , 2011 , 205, 4948-4955	4.4	57

26	Cathodic alkaline treatment of zirconium to give the ability to form calcium phosphate. <i>Acta Biomaterialia</i> , 2010 , 6, 4161-6	10.8	25
25	Fabrication and Mechanical Properties of Porous Ti/HA Composites for Bone Fixation Devices. <i>Materials Transactions</i> , 2010 , 51, 1449-1454	1.3	21
24	Microstructures of Zr-Added Co-Cr-Mo Alloy Compacts Fabricated with a Metal Injection Molding Process and Their Metal Release in 1 mass% Lactic Acid. <i>Materials Transactions</i> , 2010 , 51, 1281-1287	1.3	8
23	Characterization of the spatial immobilization manner of poly(ethylene glycol) to a titanium surface with immersion and electrodeposition and its effects on platelet adhesion. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 92, 350-8	5.4	33
22	Differences in the bone differentiation properties of MC3T3-E1 cells on polished bulk and sputter-deposited titanium specimens. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 94, 611-8	5.4	7
21	Effects of electrodeposited poly(ethylene glycol) on biofilm adherence to titanium. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 95, 1105-13	5.4	44
20	Microstructure and magnetic susceptibility of as-cast Zr-Mo alloys. <i>Acta Biomaterialia</i> , 2010 , 6, 1033-8	10.8	111
19	Apatite/Anodiamond composite as a functional coating of stainless steel. <i>Surface and Interface Analysis</i> , 2010 , 42, 475-480	1.5	11
18	Calcium Phosphate Formation on Titanium and Zirconium and Its Application to Medical Devices. <i>Bioceramics Development and Applications</i> , 2010 , 1, 1-4		9
17	In vitro short-term platelet adhesion on various metals. <i>Journal of Artificial Organs</i> , 2009 , 12, 182-6	1.8	29
16	Difference in surface reactions between titanium and zirconium in Hanks' solution to elucidate mechanism of calcium phosphate formation on titanium using XPS and cathodic polarization. <i>Materials Science and Engineering C</i> , 2009 , 29, 1702-1708	8.3	89
15	Effect of pH on the interaction between zwitterions and titanium oxide. <i>Journal of Colloid and Interface Science</i> , 2009 , 330, 138-43	9.3	24
14	Calcification by MC3T3-E1 cells on RGD peptide immobilized on titanium through electrodeposited PEG. <i>Biomaterials</i> , 2009 , 30, 1281-6	15.6	86
13	Effects of Phase Constitution of Zr-Nb Alloys on Their Magnetic Susceptibilities. <i>Materials Transactions</i> , 2009 , 50, 2466-2472	1.3	64
12	J0401-1-3 Improvement of Hard Tissue Compatibility of Zirconium with Micro-Arc Oxidation (MAO) Treatment. <i>The Proceedings of the JSME Annual Meeting</i> , 2009 , 2009.6, 261-262		
11	Characterization of air-formed surface oxide film on Ti ₂ 9Nb ₁ 3Ta _{0.6} Zr alloy surface using XPS and AES. <i>Corrosion Science</i> , 2008 , 50, 2111-2116	6.8	108
10	Active Hydroxyl Groups on Surface Oxide Film of Titanium, 316L Stainless Steel, and Cobalt-Chromium-Molybdenum Alloy and Its Effect on the Immobilization of Poly(Ethylene Glycol). <i>Materials Transactions</i> , 2008 , 49, 805-811	1.3	67
9	Effect of active hydroxyl groups on the interfacial bond strength of titanium with segmented polyurethane through gamma-mercapto propyl trimethoxysilane. <i>Dental Materials Journal</i> , 2008 , 27, 81-92	2.5	19

8	Effect of UV irradiation on the shear bond strength of titanium with segmented polyurethane through gamma-mercapto propyl trimethoxysilane. <i>Dental Materials Journal</i> , 2008 , 27, 124-32	2.5	9
7	Corrosion Behavior of Zirconium Based Alloys in Simulated Body Fluids. <i>Materials Science Forum</i> , 2007 , 561-565, 1489-1492	0.4	5
6	Biofunctionalization of Metal Surface by Immobilization of Poly(Ethylene Glycol) Terminated Amine. <i>Advanced Materials Research</i> , 2007 , 26-28, 765-768	0.5	
5	Inhibition Effect of Zirconium Coating on Calcium Phosphate Precipitation of Titanium to Avoid Assimilation with Bone. <i>Materials Transactions</i> , 2007 , 48, 301-306	1.3	44
4	Bending Property of Super-Elastic Ti-Ni Alloy Dental Castings with Different Heat Treatments. <i>Materials Transactions</i> , 2007 , 48, 428-431	1.3	
3	Pitting corrosion mechanism of Type 304 stainless steel under a droplet of chloride solutions. <i>Corrosion Science</i> , 2007 , 49, 1394-1407	6.8	170
2	Monitoring of Rusting of Stainless Steels in Marine Atmospheres Using Electrochemical Impedance Technique. <i>Journal of the Electrochemical Society</i> , 2006 , 153, B278	3.9	19
1	Initial Stage of Pitting Corrosion of Type 304 Stainless Steel under Thin Electrolyte Layers Containing Chloride Ions. <i>Journal of the Electrochemical Society</i> , 2005 , 152, B358	3.9	50