Takeshi Ueno

List of Publications by Year
in descending order

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45 papers	2,390 citations	201575 27 h-index	254106 43 g-index
45 all docs	45 docs citations	45 times ranked	2147 citing authors

#	Article	IF	Citations
1	Cellular behavior on TiO2 nanonodular structures in a micro-to-nanoscale hierarchy model. Biomaterials, 2009, 30, 5319-5329.	5.7	285
2	The effect of UV-photofunctionalization on the time-related bioactivity of titanium and chromiumâ€“cobalt alloys. Biomaterials, 2009, 30, 4268-4276.	5.7	187
3	Enhancement of osteoblast adhesion to UV-photofunctionalized titanium via an electrostatic mechanism. Biomaterials, 2010, 31, 2717-2727.	5.7	171
4	Ultraviolet light-mediated photofunctionalization of titanium to promote human mesenchymal stem cell migration, attachment, proliferation and differentiation. Acta Biomaterialia, 2009, 5, 3247-3257.	4.1	160
5	Enhancement of boneâ€“titanium integration profile with UV-photofunctionalized titanium in a gap healing model. Biomaterials, 2010, 31, 1546-1557.	5.7	125
6	Age-dependent Degradation of the Protein Adsorption Capacity of Titanium. Journal of Dental Research, 2009, 88, 663-667.	2.5	122
7	Electrostatic control of protein adsorption on UV-photofunctionalized titanium. Acta Biomaterialia, 2010, 6, 4175-4180.	4.1	95
8	Ultraviolet Treatment Overcomes Time-Related Degrading Bioactivity of Titanium. Tissue Engineering - Part A, 2009, 15, 3679-3688.	1.6	91
9	Enhanced bone-integration capability of alkali- and heat-treated nanopolymorphic titanium in micro-to-nanoscale hierarchy. Biomaterials, 2011, 32, 7297-7308.	5.7	85
10	Synergistic effects of UV photofunctionalization and micro-nano hybrid topography on the biological properties of titanium. Biomaterials, 2011, 32, 4358-4368.	5.7	83
11	Novel antioxidant capability of titanium induced by UV light treatment. Biomaterials, 2016, 108, 177-186.	5.7	69
12	Hydrocarbon Deposition Attenuates Osteoblast Activity on Titanium. Journal of Dental Research, 2014, 93, 698-703.	2.5	67
13	Effects of pico-to-nanometer-thin TiO2 coating on the biological properties of microroughened titanium. Biomaterials, 2011, 32, 8374-8384.	5.7	66
14	N-acetyl cysteine as an osteogenesis-enhancing molecule for bone regeneration. Biomaterials, 2013, 34, 6147-6156.	5.7	66
15	Ultraviolet light treatment for the restoration of age-related degradation of titanium bioactivity. International Journal of Oral and Maxillofacial Implants, 2010, 25, 49-62.	0.6	59
16	Selective cell affinity of biomimetic micro-nano-hybrid structured TiO2 overcomes the biological dilemma of osteoblasts. Dental Materials, 2010, 26, 275-287.	1.6	54
17	Effects of UV photofunctionalization on the nanotopography enhanced initial bioactivity of titanium. Acta Biomaterialia, 2011, 7, 3679-3691.	4.1	54
18	Bone integration capability of alkali- and heat-treated nanobimorphic Tiâ€“15Moâ€“5Zrâ€“3Al. Acta Biomaterialia, 2011, 7, 4267-4277.	4.1	49

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19	Evaluation of corrosion resistance of implantâ€use Tiâ€Zr binary alloys with a range of compositions. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 73-79.	1.6	48
20	Nâ€acetyl cysteine protects osteoblastic function from oxidative stress. Journal of Biomedical Materials Research - Part A, 2011, 99A, 523-531.	2.1	45
21	Effect of ultraviolet photoactivation of titanium on osseointegration in a rat model. International Journal of Oral and Maxillofacial Implants, 2010, 25, 287-94.	0.6	39
22	Bone integration capability of nanopolymorphic crystalline hydroxyapatite coated on titanium implants. International Journal of Nanomedicine, 2012, 7, 859.	3.3	37
23	N-Acetyl Cysteine Protects TMJ Chondrocytes from Oxidative Stress. Journal of Dental Research, 2011, 90, 353-359.	2.5	32
24	N-acetyl Cysteine Alleviates Cytotoxicity of Bone Substitute. Journal of Dental Research, 2010, 89, 411-416.	2.5	31
25	N-Acetyl cysteine (NAC) inhibits proliferation, collagen gene transcription, and redox stress in rat palatal mucosal cells. Dental Materials, 2009, 25, 1532-1540.	1.6	29
26	Gamma ray treatment enhances bioactivity and osseointegration capability of titanium. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 2279-2287.	1.6	29
27	Titanium-Zirconium Binary Alloy as Dental Implant Material: Analysis of the Influence of Compositional Change on Mechanical Properties and In Vitro Biologic Response. International Journal of Oral and Maxillofacial Implants, 2016, 31, 547-554.	0.6	28
28	Amino acid derivative-mediated detoxification and functionalization of dual cure dental restorative material for dental pulp cell mineralization. Biomaterials, 2010, 31, 7213-7225.	5.7	22
29	N-acetyl cysteine improves affinity of beta-tricalcium phosphate granules for cultured osteoblast-like cells. Journal of Biomaterials Applications, 2012, 27, 27-36.	1.2	19
30	Nanometer-thin TiO2 enhances skeletal muscle cell phenotype and behavior. International Journal of Nanomedicine, 2011, 6, 2191.	3.3	17
31	Earlyâ€stage osseointegration capability of a submicrofeatured titanium surface created by microroughening and anodic oxidation. Clinical Oral Implants Research, 2013, 24, 991-1001.	1.9	15
32	Ultraviolet Treatment of Titanium to Enhance Adhesion and Retention of Oral Mucosa Connective Tissue and Fibroblasts. International Journal of Molecular Sciences, 2021, 22, 12396.	1.8	15
33	Impaired dental implant osseointegration in rat with streptozotocinâ€induced diabetes. Journal of Periodontal Research, 2022, 57, 412-424.	1.4	15
34	Cytoprotective Preconditioning of Osteoblast-Like Cells with N-Acetyl-L-Cysteine for Bone Regeneration in Cell Therapy. International Journal of Molecular Sciences, 2019, 20, 5199.	1.8	14
35	Threeâ€dimensional analysis of occlusal curvature in healthy Japanese young adults. Journal of Oral Rehabilitation, 2009, 36, 257-263.	1.3	13
36	Alleviation of commercial collagen sponge- and membrane-induced apoptosis and dysfunction in cultured osteoblasts by an amino acid derivative. International Journal of Oral and Maxillofacial Implants, 2010, 25, 939-46.	0.6	12

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37	The change of surface charge by lithium ion coating enhances protein adsorption on titanium. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 100, 103393.	1.5	11
38	Multilevel factor analysis of flipped classroom in dental education: A 3-year randomized controlled trial. PLoS ONE, 2021, 16, e0257208.	1.1	11
39	Inverse response of osteoblasts and fibroblasts to growth on carbonâ€deposited titanium surfaces. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1869-1877.	1.6	6
40	Surface properties and biocompatibility of sandblasted and acid-etched titaniumâ€“zirconium binary alloys with various compositions. Dental Materials Journal, 2022, 41, 266-272.	0.8	6
41	Influence of protrusive tooth contact on tapping point distribution. Journal of Oral Rehabilitation, 2000, 27, 1004.	1.3	4
42	UV-Mediated Photofunctionalization of Indirect Restorative Materials Enhances Bonding to a Resin-Based Luting Agent. BioMed Research International, 2021, 2021, 1-8.	0.9	3
43	Evaluation of Clinical Training for Removable Partial Denture at the Tokyo Medical and Dental University. Prosthodontic Research & Practice, 2007, 6, 259-264.	0.2	1
44	Inhibition of oral fibroblast growth and function by N-acetyl cysteine. , 2010, , 140-142.		0
45	A systematic review of digital removable partial dentures. Annals of Japan Prosthodontic Society, 2022, 14, 17-24.	0.0	0