In-Sung Yeo

List of Publications by Year in descending order

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218381 243296 2,472 130 26 44 citations h-index g-index papers 134 134 134 2968 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	In vitro marginal fit of three all-ceramic crown systems. Journal of Prosthetic Dentistry, 2003, 90, 459-464.	1.1	156
2	Collagen-Based Biomimetic Nanofibrous Scaffolds: Preparation and Characterization of Collagen/Silk Fibroin Bicomponent Nanofibrous Structures. Biomacromolecules, 2008, 9, 1106-1116.	2.6	147
3	Modifications of Dental Implant Surfaces at the Micro- and Nano-Level for Enhanced Osseointegration. Materials, 2020, 13, 89.	1.3	105
4	Plasma-treated silk fibroin nanofibers for skin regeneration. International Journal of Biological Macromolecules, 2009, 44, 222-228.	3.6	94
5	Autogenous teeth used for bone grafting: a comparison with traditional grafting materials. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2014, 117, e39-e45.	0.2	89
6	Effect of the amount of thickness reduction on color and translucency of dental monolithic zirconia ceramics. Journal of Advanced Prosthodontics, 2016, 8, 37.	1.1	82
7	Effect of chitin/silk fibroin nanofibrous bicomponent structures on interaction with human epidermal keratinocytes. International Journal of Biological Macromolecules, 2008, 42, 324-334.	3.6	77
8	Implant Surface Factors and Bacterial Adhesion: A Review of the Literature. International Journal of Artificial Organs, 2012, 35, 762-772.	0.7	75
9	Effect of polishing and glazing on the color and spectral distribution of monolithic zirconia. Journal of Advanced Prosthodontics, 2013, 5, 296.	1.1	61
10	Effects of airborne-particle abrasion protocol choice on the surface characteristics of monolithic zirconia materials and the shear bond strength of resin cement. Ceramics International, 2016, 42, 1552-1562.	2.3	60
11	Epidermal cellular response to poly(vinyl alcohol) nanofibers containing silver nanoparticles. Colloids and Surfaces B: Biointerfaces, 2010, 78, 334-342.	2.5	59
12	Reality of Dental Implant Surface Modification: A Short Literature Review. Open Biomedical Engineering Journal, 2014, 8, 114-119.	0.7	59
13	Biomechanical and histomorphometric study of dental implants with different surface characteristics. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 87B, 303-311.	1.6	58
14	Accuracy of Dies Captured by an Intraoral Digital Impression System Using Parallel Confocal Imaging. International Journal of Prosthodontics, 2013, 26, 161-163.	0.7	49
15	<i>In vitro</i> evaluation of fracture strength of zirconia restoration veneered with various ceramic materials. Journal of Advanced Prosthodontics, 2012, 4, 162.	1.1	48
16	The effect of build angle on the tissue surface adaptation of maxillary and mandibular complete denture bases manufactured by digital light processing. Journal of Prosthetic Dentistry, 2020, 123, 473-482.	1.1	40
17	Marginal fit of anterior 3-unit fixed partial zirconia restorations using different CAD/CAM systems. Journal of Advanced Prosthodontics, 2013, 5, 219.	1.1	39
18	Peri-Implant Bone Loss Measurement Using a Region-Based Convolutional Neural Network on Dental Periapical Radiographs. Journal of Clinical Medicine, 2021, 10, 1009.	1.0	39

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19	Comparison Between Bioactive Fluoride Modified and Bioinert Anodically Oxidized Implant Surfaces in Early Bone Response Using Rabbit Tibia Model. Implant Dentistry, 2012, 21, 124-128.	1.7	38
20	Repeatability of Intraoral Scanners for Complete Arch Scan of Partially Edentulous Dentitions: An In Vitro Study. Journal of Clinical Medicine, 2019, 8, 1187.	1.0	37
21	Fracture Strength Study of Internally Connected Zirconia Abutments Reinforced with Titanium Inserts. International Journal of Oral and Maxillofacial Implants, 2015, 30, 346-350.	0.6	34
22	Characteristics of contact and distance osteogenesis around modified implant surfaces in rabbit tibiae. Journal of Periodontal and Implant Science, 2017, 47, 182.	0.9	34
23	Effects of Implant Drill Wear, Irrigation, and Drill Materials on Heat Generation in Osteotomy Sites. Journal of Oral Implantology, 2015, 41, e19-e23.	0.4	33
24	Biological Responses to the Transitional Area of Dental Implants: Material- and Structure-Dependent Responses of Peri-Implant Tissue to Abutments. Materials, 2020, 13, 72.	1.3	31
25	Clinical use of aluminaâ€toughened zirconia abutments for implantâ€supported restoration: prospective cohort study of survival analysis. Clinical Oral Implants Research, 2013, 24, 517-522.	1.9	29
26	The Effect of Ultraviolet Photofunctionalization on a Titanium Dental Implant with Machined Surface: An In Vitro and In Vivo Study. Materials, 2019, 12, 2078.	1.3	28
27	The effect of the DLTIDDSYWYRI motif of the human laminin $\hat{l}\pm 2$ chain on implant osseointegration. Biomaterials, 2013, 34, 4027-4037.	5.7	27
28	The influence of various core designs on stress distribution in the veneered zirconia crown: a finite element analysis study. Journal of Advanced Prosthodontics, 2013, 5, 187.	1.1	27
29	Identification of a bioactive core sequence from human laminin and its applicability to tissue engineering. Biomaterials, 2015, 73, 96-109.	5.7	27
30	Wear of 3D printed and CAD/CAM milled interim resin materials after chewing simulation. Journal of Advanced Prosthodontics, 2021, 13, 144.	1.1	27
31	Titanium Surface Coating with a Laminin-Derived Functional Peptide Promotes Bone Cell Adhesion. BioMed Research International, 2013, 2013, 1-8.	0.9	26
32	The Effect of Abutment Screw Length on Screw Loosening in Dental Implants with External Abutment Connections After Thermocycling. International Journal of Oral and Maxillofacial Implants, 2014, 29, 59-62.	0.6	26
33	Optical and Surface Properties of Monolithic Zirconia after Simulated Toothbrushing. Materials, 2019, 12, 1158.	1.3	24
34	Characterization and in vivo evaluation of calcium phosphate coated cp-titanium by dip-spin method. Current Applied Physics, 2005, 5, 501-506.	1.1	22
35	Panoptic Segmentation on Panoramic Radiographs: Deep Learning-Based Segmentation of Various Structures Including Maxillary Sinus and Mandibular Canal. Journal of Clinical Medicine, 2021, 10, 2577.	1.0	22
36	Effect of surface treatment and liner material on the adhesion between veneering ceramic and zirconia. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 40, 369-374.	1.5	21

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37	<i>In vivo</i> comparison between the effects of chemically modified hydrophilic and anodically oxidized titanium surfaces on initial bone healing. Journal of Periodontal and Implant Science, 2015, 45, 94.	0.9	21
38	Leukocyte―and platelet―ich fibrin is an effective membrane for lateral ridge augmentation: An in vivo study using a canine model with surgically created defects. Journal of Periodontology, 2020, 91, 120-128.	1.7	21
39	Three interfaces of the dental implant system and their clinical effects on hard and soft tissues. Materials Horizons, 2022, 9, 1387-1411.	6.4	21
40	Influence of Acid, Ethanol, and Anthocyanin Pigment on the Optical and Mechanical Properties of a Nanohybrid Dental Composite Resin. Materials, 2018, 11, 1234.	1.3	20
41	Effect of Yttria Content on the Translucency and Masking Ability of Yttria-Stabilized Tetragonal Zirconia Polycrystal. Materials, 2020, 13, 4726.	1.3	20
42	Analysis of crystalline structure of autogenous tooth bone graft material: X-Ray diffraction analysis. Journal of the Korean Association of Oral and Maxillofacial Surgeons, 2011, 37, 225.	0.3	19
43	Biomechanical three-dimensional finite element analysis of monolithic zirconia crown with different cement thickness. Ceramics International, 2016, 42, 14928-14936.	2.3	17
44	Colour stability and surface properties of highâ€translucency restorative materials for digital dentistry after simulated oral rinsing. European Journal of Oral Sciences, 2020, 128, 170-180.	0.7	17
45	Bone formation around zirconia implants combined with rh <scp>BMP</scp> â€2 gel in the canine mandible. Clinical Oral Implants Research, 2013, 24, 1332-1338.	1.9	15
46	A Vitronectin-Derived Bioactive Peptide Improves Bone Healing Capacity of SLA Titanium Surfaces. Materials, 2019, 12, 3400.	1.3	15
47	Comparison of micro-computed tomography and histomorphometry in the measurement of bone–implant contact ratios. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2019, 128, 87-95.	0.2	15
48	Initial in Vitro Bacterial Adhesion on Dental Restorative Materials. International Journal of Artificial Organs, 2012, 35, 773-779.	0.7	14
49	Effects of a Calcium Phosphate–Coated and Anodized Titanium Surface on Early Bone Response. International Journal of Oral and Maxillofacial Implants, 2013, 28, 790-797.	0.6	14
50	Effect of various intermediate ceramic layers on the interfacial stability of zirconia core and veneering ceramics. Acta Odontologica Scandinavica, 2015, 73, 488-495.	0.9	14
51	A lamininâ€211â€derived bioactive peptide promotes the osseointegration of a sandblasted, largeâ€grit, acidâ€etched titanium implant. Journal of Biomedical Materials Research - Part A, 2020, 108, 1214-1222.	2.1	14
52	Effects of Computer-Aided Manufacturing Technology on Precision of Clinical Metal-Free Restorations. BioMed Research International, 2015, 2015, 1-5.	0.9	13
53	A pilot study using machine learning methods about factors influencing prognosis of dental implants. Journal of Advanced Prosthodontics, 2018, 10, 395.	1.1	13
54	Ceramic Materials and Technologies Applied to Digital Works in Implant-Supported Restorative Dentistry. Materials, 2020, 13, 1964.	1.3	13

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55	Digital veneering system enhances microtensile bond strength at zirconia coreveneer interface. Dental Materials Journal, 2014, 33, 792-798.	0.8	12
56	Improving shear bond strength of temporary crown and fixed dental prosthesis resins by surface treatments. Journal of Materials Science, 2016, 51, 1463-1475.	1.7	12
57	Implant Drill Characteristics: Thermal and Mechanical Effects of Two-, Three-, and Four-Fluted Drills. International Journal of Oral and Maxillofacial Implants, 2017, 32, 483-488.	0.6	12
58	Spiral scanning imaging and quantitative calculation of the 3-dimensional screw-shaped bone-implant interface on micro-computed tomography. Journal of Periodontal and Implant Science, 2018, 48, 202.	0.9	12
59	Control Variable Implants Improve Interpretation of Surface Modification and Implant Design Effects on Early Bone Responses: An In Vivo Study. International Journal of Oral and Maxillofacial Implants, 2018, 33, 1033-1040.	0.6	12
60	A histomorphometric study of dental implants with different surface characteristics. Journal of Advanced Prosthodontics, 2010, 2, 142.	1.1	11
61	Peri-implant bone length changes and survival rates of implants penetrating the sinus membrane at the posterior maxilla in patients with limited vertical bone height. Journal of Periodontal and Implant Science, 2013, 43, 58.	0.9	11
62	Effects of Hydrophilicity and Fluoride Surface Modifications to Titanium Dental Implants on Early Osseointegration. Implant Dentistry, 2014, Publish Ahead of Print, 529-33.	1.7	11
63	A root submergence technique for pontic site development in fixed dental prostheses in the maxillary anterior esthetic zone. Journal of Periodontal and Implant Science, 2015, 45, 152.	0.9	11
64	Effect of various surface treatments on the interfacial adhesion between zirconia cores and porcelain veneers. International Journal of Adhesion and Adhesives, 2016, 69, 79-85.	1.4	11
65	Effects of coping designs on stress distributions in zirconia crowns: Finite element analysis. Ceramics International, 2016, 42, 4932-4940.	2.3	11
66	A Clue to the Existence of Bonding between Bone and Implant Surface: An In Vivo Study. Materials, 2019, 12, 1187.	1.3	11
67	Effect of a macroscopic groove on bone response and implant stability. Clinical Oral Implants Research, 2010, 21, 1379-1385.	1.9	10
68	Comparative fracture strength analysis of Lava and Digident CAD/CAM zirconia ceramic crowns. Journal of Advanced Prosthodontics, 2013, 5, 92.	1.1	10
69	Influence of implant-abutment connection structure on peri-implant bone level in a second molar: A 1-year randomized controlled trial. Journal of Advanced Prosthodontics, 2019, 11, 147.	1.1	10
70	Effects of ultrasonic scaling on the optical properties and surface characteristics of highly translucent CAD/CAM ceramic restorative materials: An in vitro study. Ceramics International, 2019, 45, 14594-14601.	2.3	10
71	Consecutive unsplinted implant-supported restorations to replace lost multiple adjacent posterior teeth: A 4-year prospective cohort study. Acta Odontologica Scandinavica, 2015, 73, 461-466.	0.9	9
72	A Prospective Clinical Study of Alumina-Toughened Zirconia Abutments for Implant-Supported Fixed Restorations with a Mean Follow-up Period of 6.9 Years. International Journal of Oral and Maxillofacial Implants, 2019, 34, 451-460.	0.6	9

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73	Evaluation of Early Bone Response to Fluoride-Modified and Anodically Oxidized Titanium Implants Through Continuous Removal Torque Analysis. Implant Dentistry, 2012, 21, 427-432.	1.7	7
74	Effects of coping designs on fracture modes in zirconia crowns: Progressive load test. Ceramics International, 2016, 42, 7380-7389.	2.3	7
75	Results of immediate loading for implant restoration in partially edentulous patients: a 6-month preliminary prospective study using SinusQuickâ,,¢ EB implant system. Journal of Advanced Prosthodontics, 2009, 1, 136.	1.1	6
76	Adhesion and spreading of osteoblast-like cells on surfaces coated with laminin-derived bioactive core peptides. Data in Brief, 2015, 5, 411-415.	0.5	6
77	Contemporary full-mouth rehabilitation using a digital smile design in combination with conventional and computer-aided design/manufacturing restorative materials in a patient with bruxism. Medicine (United States), 2019, 98, e18164.	0.4	6
78	Influence of Connections and Surfaces of Dental Implants on Marginal Bone Loss: A Retrospective Study Over 7 to 19 Years. International Journal of Oral and Maxillofacial Implants, 2020, 35, 1195-1202.	0.6	6
79	Bone Response to Conventional Titanium Implants and New Zirconia Implants Produced by Additive Manufacturing. Materials, 2021, 14, 4405.	1.3	6
80	The effect of screw length on fracture load and abutment strain in dental implants with external abutment connections. International Journal of Oral and Maxillofacial Implants, 2012, 27, 820-3.	0.6	6
81	Removal torque analysis of chemically modified hydrophilic and anodically oxidized titanium implants with constant angular velocity for early bone response in rabbit tibia. Tissue Engineering and Regenerative Medicine, 2013, 10, 252-259.	1.6	5
82	Implant-assisted removable prosthetic rehabilitation after distraction osteogenesis in a patient with ameloblastoma recurrence. Medicine (United States), 2019, 98, e18290.	0.4	5
83	A Laminin-Derived Functional Peptide, PPFEGCIWN, Promotes Bone Formation on Sandblasted, Large-Grit, Acid-Etched Titanium Implant Surfaces. International Journal of Oral and Maxillofacial Implants, 2019, 34, 838-844.	0.6	5
84	Comparison of experimental peri-implantitis models after application of ex vivo BMP2 gene therapy using periodontal ligament stem cells. Scientific Reports, 2020, 10, 3590.	1.6	5
85	Influence of Bioactive Material Coating of Ti Dental Implant Surfaces on Early Healing and Osseointegration of Bone. Journal of the Korean Physical Society, 2010, 57, 1717-1720.	0.3	5
86	Full mouth rehabilitation of a severely worn dentition using intraoral scanner and the CAD/CAM double scanning technique. The Journal of Korean Academy of Prosthodontics, 2020, 58, 67.	0.0	5
87	Use of separate single-tooth implant restorations to replace two or more consecutive posterior teeth: a prospective cohort study for up to 1 year. Journal of Advanced Prosthodontics, 2010, 2, 54.	1.1	4
88	Implants and all-ceramic restorations in a patient treated for aggressive periodontitis: a case report. Journal of Advanced Prosthodontics, 2010, 2, 97.	1.1	4
89	Retrospective Results of Implants for Partially Edentulous Posterior Jaws According to Time Points of Early Loading. International Journal of Oral and Maxillofacial Implants, 2013, 28, 1293-1299.	0.6	4
90	First-Order Mathematical Correlation Between Damping and Resonance Frequency Evaluating the Bone-Implant Interface. International Journal of Oral and Maxillofacial Implants, 2016, 31, 1008-1015.	0.6	4

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91	Clinically available preload prediction based on a mechanical analysis. Archive of Applied Mechanics, 2017, 87, 2003-2009.	1.2	4
92	Marginal fit of three-unit zirconia anterior fixed dental prostheses fabricated using CAD/CAM and MAD/MAM system. The Journal of Korean Academy of Prosthodontics, 2011, 49, 145.	0.0	3
93	The reliability of an easy measuring method for abutment convergence angle with a computer-aided design (CAD) system. Journal of Advanced Prosthodontics, 2014, 6, 185.	1.1	3
94	Application of Monolithic Zirconia Ceramics in Dental Practice: A Case History Report. International Journal of Prosthodontics, 2016, 29, 511-513.	0.7	3
95	Osteogenic Cell Behavior on Titanium Surfaces in Hard Tissue. Journal of Clinical Medicine, 2019, 8, 604.	1.0	3
96	Clinical Feasibility of Fully Sintered (Y, Nb)-TZP for CAD-CAM Single-Unit Restoration: A Pilot Study. Materials, 2021, 14, 2762.	1.3	3
97	Multicentric retrospective clinical study on the clinical application of mini implant system. Journal of the Korean Association of Oral and Maxillofacial Surgeons, 2010, 36, 325.	0.3	2
98	Light Microscopy Analysis of Bone Response to Implant Surfaces. Microscopy Today, 2016, 24, 28-33.	0.2	2
99	Surface modification of dental biomaterials for controlling bone response. , 2017, , 43-64.		2
100	Implant-supported Restoration Cases Fabricated from Digital Impression Data with the Help of Intraoral Scanner and Virtual Articulator. The Korean Academy of Oral and Maxillofacial Implantology, 2017, 21, 14-23.	0.3	2
101	Measuring abutment convergence angles using stereovision dental image processing system. Journal of Advanced Prosthodontics, 2014, 6, 259.	1.1	1
102	Three-dimensional finite element analysis according to the insertion depth of an immediately loaded implant in the anterior maxilla. The Journal of Korean Academy of Prosthodontics, 2018, 56, 105.	0.0	1
103	Full mouth rehabilitation utilizing computer guided implant surgery and CAD/CAM. The Journal of Korean Academy of Prosthodontics, 2019, 57, 57.	0.0	1
104	Eleven-year follow-up of reconstruction with autogenous iliac bone graft and implant-supported fixed complete denture for severe maxillary atrophy. Medicine (United States), 2020, 99, e18950.	0.4	1
105	Full mouth rehabilitation with implant-supported fixed prosthesis via dental CAD-CAM system. The Journal of Korean Academy of Prosthodontics, 2021, 59, 97.	0.0	1
106	Full mouth rehabilitation of a patient using monolithic zirconia and dental CAD/CAM system: a case report. Journal of Dental Rehabilitation and Applied Science, 2018, 34, 196-207.	0.1	1
107	Clinical Significance of Internal Friction Connection and Micro-Threads in Implant-Supported Prostheses: A Literature Review. , 2020, 2, .		1
108	Color and surface stainability of additively and subtractively manufactured interim restorative materials against mouth rinses. Journal of Prosthetic Dentistry, 2023, 130, 927-934.	1.1	1

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109	An experimental study of cutting efficiency of air-driven diamond burs on human tooth. The Journal of Korean Academy of Prosthodontics, 2011 , 49 , 1 .	0.0	O
110	Analysis of thermal changes in bone by various insertion torques with different implant designs. The Journal of Korean Academy of Prosthodontics, 2011, 49, 168.	0.0	0
111	A study on the marginal fit of CAD/CAM 3-unit bridges. The Journal of Korean Academy of Prosthodontics, 2011, 49, 101.	0.0	0
112	Implant stability evaluation according to the bone condition, fixture diameter and shape in the osseointegration simulated resin model. The Journal of Korean Academy of Prosthodontics, 2011, 49, 128.	0.0	0
113	Influence of porcelain re-firing on the formation of surface bubble and on the change in shade of metal-ceramic crown exposed to artificial saliva. The Journal of Korean Academy of Prosthodontics, 2011, 49, 161.	0.0	0
114	Full-mouth rehabilitation with CAD/CAM monolithic zirconia in dentinogenesis imperfecta: a case report. The Journal of Korean Academy of Prosthodontics, 2014, 52, 317.	0.0	0
115	Rheological properties of dental resin cements during polymerization. The Journal of Korean Academy of Prosthodontics, 2014, 52, 82.	0.0	0
116	Light Microscopic Analysis for Bone Responses to Implant Surfaces. Microscopy and Microanalysis, 2015, 21, 1773-1774.	0.2	0
117	Maxillofacial rehabilitation of hemi-maxillectomy patient using a closed hollow bulb obturator fabricated by one-step polymerization technique: a clinical report. The Journal of Korean Academy of Prosthodontics, 2016, 54, 35.	0.0	0
118	Full mouth rehabilitation of edentulous patient with intellectual disability using implants and monolithic zirconia. The Journal of Korean Academy of Prosthodontics, 2017, 55, 156.	0.0	0
119	The dimension analysis of prepared natural teeth for developing customized zirconia block. The Journal of Korean Academy of Prosthodontics, 2017, 55, 381.	0.0	0
120	Computer-aided design and manufacturing-based full mouth rehabilitation for a patient with excessive attrition and restricted vertical dimension: A case report. The Journal of Korean Academy of Prosthodontics, 2019, 57, 495.	0.0	0
121	Fabrication of removable partial denture on scleroderma patient using 3-dimensional intraoral scanner. The Journal of Korean Academy of Prosthodontics, 2021, 59, 116.	0.0	0
122	Effect of specimen preparation method on the microtensile bond strength of veneering ceramic to zirconia. The Journal of Korean Academy of Prosthodontics, 2011, 49, 114.	0.0	0
123	A Comparative Study On The Marginal Fit Of Zirconia Cores Manufactured By CAD/CAM And Copy Milling Methods. Dentistry (Sunnyvale, Calif), 2013, 03, .	0.1	0
124	Effect of water storage on the fracture toughness of dental resin cement used for zirconia restoration. The Journal of Korean Academy of Prosthodontics, 2014, 52, 312.	0.0	0
125	Effect of working time on the film thickness of dental resin cements. The Journal of Korean Academy of Prosthodontics, 2015, 53, 325.	0.0	0
126	Full mouth rehabilitation of the patient with severely worn dentition using monolithic zirconia prosthesis: A clinical report. The Journal of Korean Academy of Prosthodontics, 2016, 54, 140.	0.0	0

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127	Implant-supported Restoration Cases Fabricated from Digital Impression Data with the Help of Intraoral Scanner and Virtual Articulator Implant-supported Restoration Cases Fabricated from Digital Impression Data with the Help of Intraoral Scanner and Virtual Articulator . The Korean Academy of Oral and Maxillofacial Implantology, 2017, 21, 14-23.	0.3	0
128	Full mouth rehabilitation of a worn dentition using digital guided tooth preparation: a case report. The Journal of Korean Academy of Prosthodontics, 2022, 60, 80.	0.0	O
129	Complete mouth rehabilitation with fixed implant-supported prosthesis using temporary denture and dental CAD-CAM. The Journal of Korean Academy of Prosthodontics, 2022, 60, 100.	0.0	O
130	Platelet-rich plasma alone is unable to trigger contact osteogenesis on titanium implant surfaces. International Journal of Implant Dentistry, 2022, 8, .	1.1	0