William V Giannobile

List of Publications by Citations

220 papers	14,483 citations	70 h-index	114 g-index
255 ext. papers	16,825 ext. citations	6.7 avg, IF	6.56 L-index

#	Paper	IF	Citations
220	Periodontitis: Consensus report of workgroup 2 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. *Journal of Periodontology*, **2018**, 89 Suppl 1, S173-S182	4.6	536
219	Tetracyclines inhibit connective tissue breakdown by multiple non-antimicrobial mechanisms. *Advances in Dental Research*, **1998**, 12, 12-26	2.3	523
218	Platelet-derived growth factor stimulates bone fill and rate of attachment level gain: results of a large multicenter randomized controlled trial. *Journal of Periodontology*, **2005**, 76, 2205-15	4.6	383
217	Periodontitis: Consensus report of workgroup 2 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. *Journal of Clinical Periodontology*, **2018**, 45 Suppl 20, S162-S170	7.7	349
216	Microfluidic immunoassays as rapid saliva-based clinical diagnostics. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 5268-73	11.5	318
215	A phase I/II clinical trial to evaluate a combination of recombinant human platelet-derived growth factor-BB and recombinant human insulin-like growth factor-I in patients with periodontal disease. *Journal of Periodontology*, **1997**, 68, 1186-93	4.6	306
214	Craniofacial tissue engineering by stem cells. *Journal of Dental Research*, **2006**, 85, 966-79	8.1	279
213	Identification of pathogen and host-response markers correlated with periodontal disease. *Journal of Periodontology*, **2009**, 80, 436-46	4.6	255
212	The enhancement of osteogenesis by nano-fibrous scaffolds incorporating rhBMP-7 nanospheres. *Biomaterials*, **2007**, 28, 2087-96	15.6	246
211	Saliva as a diagnostic tool for periodontal disease: current state and future directions. *Periodontology 2000*, **2009**, 50, 52-64	12.9	204
210	Periodontal tissue engineering by growth factors. *Bone*, **1996**, 19, 23S-37S	4.7	203
209	Nano-fibrous scaffold for controlled delivery of recombinant human PDGF-BB. *Journal of Controlled Release*, **2006**, 112, 103-10	11.7	192
208	Teriparatide and osseous regeneration in the oral cavity. *New England Journal of Medicine*, **2010**, 363, 2396-405	59.2	190
207	Recombinant human osteogenic protein-1 (OP-1) stimulates periodontal wound healing in class III furcation defects. *Journal of Periodontology*, **1998**, 69, 129-37	4.6	190
206	Current concepts in periodontal bioengineering. *Orthodontics and Craniofacial Research*, **2005**, 8, 292-302	3	188
205	Comparative effects of platelet-derived growth factor-BB and insulin-like growth factor-I, individually and in combination, on periodontal regeneration in Macaca fascicularis. *Journal of Periodontal Research*, **1996**, 31, 301-12	4.3	187
204	Comparison of canine and non-human primate animal models for periodontal regenerative therapy: results following a single administration of PDGF/IGF-I. *Journal of Periodontology*, **1994**, 65, 1158-68	4.6	183

203	Treatment of periodontitis by local administration of minocycline microspheres: a controlled trial. *Journal of Periodontology*, **2001**, 72, 1535-44	4.6	173
202	Periostin is essential for the integrity and function of the periodontal ligament during occlusal loading in mice. *Journal of Periodontology*, **2008**, 79, 1480-90	4.6	170
201	Tissue engineering bone-ligament complexes using fiber-guiding scaffolds. *Biomaterials*, **2012**, 33, 137-45	15.6	165
200	Diagnostic biomarkers for oral and periodontal diseases. *Dental Clinics of North America*, **2005**, 49, 551-71, vi	3.3	163
199	3D-printed Bioresorbable Scaffold for Periodontal Repair. *Journal of Dental Research*, **2015**, 94, 153S-7S	8.1	159
198	Molecular and cell biology of cementum. *Periodontology 2000*, **2000**, 24, 73-98	12.9	157
197	Gene therapy of bone morphogenetic protein for periodontal tissue engineering. *Journal of Periodontology*, **2003**, 74, 202-13	4.6	156
196	Biomimetic hybrid scaffolds for engineering human tooth-ligament interfaces. *Biomaterials*, **2010**, 31, 5945-52	15.6	150
195	Three-dimensional micro-computed tomographic imaging of alveolar bone in experimental bone loss or repair. *Journal of Periodontology*, **2007**, 78, 273-81	4.6	150
194	Growth and amelogenin-like factors in periodontal wound healing. A systematic review **2003**, 8, 193-204		146
193	RANKL inhibition through osteoprotegerin blocks bone loss in experimental periodontitis. *Journal of Periodontology*, **2007**, 78, 1300-8	4.6	142
192	Saliva/pathogen biomarker signatures and periodontal disease progression. *Journal of Dental Research*, **2011**, 90, 752-8	8.1	141
191	Regenerative Medicine for Periodontal and Peri-implant Diseases. *Journal of Dental Research*, **2016**, 95, 255-66	8.1	139
190	Engineering of tooth-supporting structures by delivery of PDGF gene therapy vectors. *Molecular Therapy*, **2004**, 9, 519-26	11.7	138
189	Oral fluid-based biomarkers of alveolar bone loss in periodontitis. *Annals of the New York Academy of Sciences*, **2007**, 1098, 230-51	6.5	134
188	Stem cell therapy for craniofacial bone regeneration: a randomized, controlled feasibility trial. *Cell Transplantation*, **2013**, 22, 767-77	4	133
187	Growth factor delivery for oral and periodontal tissue engineering. *Expert Opinion on Drug Delivery*, **2006**, 3, 647-62	8	128
186	Crevicular fluid biomarkers and periodontal disease progression. *Journal of Clinical Periodontology*, **2014**, 41, 113-120	7.7	126

185	Novel host response therapeutic approaches to treat periodontal diseases. *Periodontology 2000*, **2007**, 43, 294-315	12.9	126
184	Platelet-derived growth factor applications in periodontal and peri-implant bone regeneration. *Expert Opinion on Biological Therapy*, **2011**, 11, 375-85	5.4	124
183	BMP gene delivery for alveolar bone engineering at dental implant defects. *Molecular Therapy*, **2005**, 11, 294-9	11.7	123
182	Tissue engineering for bone regeneration and osseointegration in the oral cavity. *Dental Materials*, **2015**, 31, 317-38	5.7	120
181	Comparative analysis of collagen membranes for the treatment of implant dehiscence defects. *Clinical Oral Implants Research*, **2003**, 14, 80-90	4.8	115
180	Host-response therapeutics for periodontal diseases. *Journal of Periodontology*, **2008**, 79, 1592-600	4.6	112
179	Novel antibacterial nanofibrous PLLA scaffolds. *Journal of Controlled Release*, **2010**, 146, 363-9	11.7	107
178	The Intermucosal Connection between the Mouth and Gut in Commensal Pathobiont-Driven Colitis. *Cell*, **2020**, 182, 447-462.e14	56.2	103
177	Advanced reconstructive technologies for periodontal tissue repair. *Periodontology 2000*, **2012**, 59, 185-202	7.9	103
176	Platelet-derived growth factor promotes periodontal regeneration in localized osseous defects: 36-month extension results from a randomized, controlled, double-masked clinical trial. *Journal of Periodontology*, **2013**, 84, 456-64	4.6	98
175	Cell- and gene-based therapeutic strategies for periodontal regenerative medicine. *Journal of Periodontology*, **2011**, 82, 1223-37	4.6	98
174	Cementoblast delivery for periodontal tissue engineering. *Journal of Periodontology*, **2004**, 75, 154-61	4.6	98
173	Pre-clinical models for oral and periodontal reconstructive therapies. *Journal of Dental Research*, **2009**, 88, 1065-76	8.1	97
172	Actinobacillus actinomycetemcomitans lipopolysaccharide-mediated experimental bone loss model for aggressive periodontitis. *Journal of Periodontology*, **2007**, 78, 550-8	4.6	95
171	The impact of vitamin D status on periodontal surgery outcomes. *Journal of Dental Research*, **2011**, 90, 1007-12	8.1	94
170	Induction of bone loss by pathobiont-mediated Nod1 signaling in the oral cavity. *Cell Host and Microbe*, **2013**, 13, 595-601	23.4	93
169	Patient stratification for preventive care in dentistry. *Journal of Dental Research*, **2013**, 92, 694-701	8.1	93
168	Clinical response of azithromycin as an adjunct to non-surgical periodontal therapy in smokers. *Journal of Periodontology*, **2005**, 76, 426-36	4.6	92

167	Platelet-derived growth factor (PDGF) gene delivery for application in periodontal tissue engineering. *Journal of Periodontology*, **2001**, 72, 815-23	4.6	90
166	Is Metal Particle Release Associated with Peri-implant Bone Destruction? An Emerging Concept. *Journal of Dental Research*, **2018**, 97, 259-265	8.1	89
165	The effect of platelet-rich plasma on the coronally advanced flap root coverage procedure: a pilot human trial. *Journal of Periodontology*, **2005**, 76, 1768-77	4.6	88
164	Crevicular fluid osteocalcin and pyridinoline cross-linked carboxyterminal telopeptide of type I collagen (ICTP) as markers of rapid bone turnover in periodontitis. A pilot study in beagle dogs. *Journal of Clinical Periodontology*, **1995**, 22, 903-10	7.7	85
163	Image-based, fiber guiding scaffolds: a platform for regenerating tissue interfaces. *Tissue Engineering - Part C: Methods*, **2014**, 20, 533-42	2.9	81
162	Growth factors regulate expression of mineral associated genes in cementoblasts. *Journal of Periodontology*, **2000**, 71, 1591-600	4.6	81
161	Postextraction alveolar ridge preservation: biological basis and treatments. *International Journal of Dentistry*, **2012**, 2012, 151030	1.9	80
160	Effect of rhPDGF-BB on bone turnover during periodontal repair. *Journal of Clinical Periodontology*, **2006**, 33, 135-40	7.7	80
159	Sclerostin antibody stimulates bone regeneration after experimental periodontitis. *Journal of Bone and Mineral Research*, **2013**, 28, 2347-56	6.3	77
158	Porphyromonas gingivalis oral infection exacerbates the development and severity of collagen-induced arthritis. *Arthritis Research and Therapy*, **2013**, 15, R186	5.7	76
157	Adenovirus encoding human platelet-derived growth factor-B delivered to alveolar bone defects exhibits safety and biodistribution profiles favorable for clinical use. *Human Gene Therapy*, **2009**, 20, 486-96	4.8	76
156	Local delivery of osteoprotegerin inhibits mechanically mediated bone modeling in orthodontic tooth movement. *Bone*, **2007**, 41, 446-55	4.7	76
155	Gene therapeutics for periodontal regenerative medicine. *Dental Clinics of North America*, **2006**, 50, 245-63, ix	3.3	74
154	Evaluation of functional dynamics during osseointegration and regeneration associated with oral implants. *Clinical Oral Implants Research*, **2010**, 21, 1-12	4.8	73
153	Effect of rhPDGF-BB delivery on mediators of periodontal wound repair. *Tissue Engineering*, **2006**, 12, 1441-50		73
152	Epigenetics and its role in periodontal diseases: a state-of-the-art review. *Journal of Periodontology*, **2015**, 86, 556-68	4.6	72
151	Bone Marrow Stromal Stem Cells in Tissue Engineering and Regenerative Medicine. *Hormone and Metabolic Research*, **2016**, 48, 700-713	3.1	72
150	3D-Printed Scaffolds and Biomaterials: Review of Alveolar Bone Augmentation and Periodontal Regeneration Applications. *International Journal of Dentistry*, **2016**, 2016, 1239842	1.9	70

149	Epigenetic Modifications of Histones in Periodontal Disease. *Journal of Dental Research*, **2016**, 95, 215-22	8.1	69
148	Integration of 3D Printed and Micropatterned Polycaprolactone Scaffolds for Guidance of Oriented Collagenous Tissue Formation In Vivo. *Advanced Healthcare Materials*, **2016**, 5, 676-87	10.1	69
147	Matrix molecules and growth factors as indicators of periodontal disease activity. *Periodontology 2000*, **2003**, 31, 125-34	12.9	68
146	Growth factor delivery to re-engineer periodontal tissues. *Current Pharmaceutical Biotechnology*, **2002**, 3, 129-39	2.6	67
145	Bone repair cells for craniofacial regeneration. *Advanced Drug Delivery Reviews*, **2012**, 64, 1310-9	18.5	66
144	Nanofibrous scaffolds incorporating PDGF-BB microspheres induce chemokine expression and tissue neogenesis in vivo. *PLoS ONE*, **2008**, 3, e1729	3.7	65
143	Gene expression dynamics during bone healing and osseointegration. *Journal of Periodontology*, **2011**, 82, 1007-17	4.6	64
142	Salivary diagnostics for periodontal diseases. *Journal of the American Dental Association*, **2012**, 143, 6S-11S	1.9	63
141	Translational and clinical applications of salivary diagnostics. *Advances in Dental Research*, **2011**, 23, 375-80	2.3	63
140	Cementum engineering with three-dimensional polymer scaffolds. *Journal of Biomedical Materials Research Part B*, **2003**, 67, 54-60		62
139	Effect of non-surgical periodontal therapy on C-telopeptide pyridinoline cross-links (ICTP) and interleukin-1 levels. *Journal of Periodontology*, **2001**, 72, 1045-51	4.6	62
138	3D osteoarthritic changes in TMJ condylar morphology correlates with specific systemic and local biomarkers of disease. *Osteoarthritis and Cartilage*, **2014**, 22, 1657-67	6.2	58
137	Bone Engineering of Maxillary Sinus Bone Deficiencies Using Enriched CD90+ Stem Cell Therapy: A Randomized Clinical Trial. *Journal of Bone and Mineral Research*, **2015**, 30, 1206-16	6.3	58
136	Modified-release subantimicrobial dose doxycycline enhances scaling and root planing in subjects with periodontal disease. *Journal of Periodontology*, **2008**, 79, 440-52	4.6	57
135	Effect of locally delivered minocycline microspheres on markers of bone resorption. *Journal of Periodontology*, **2002**, 73, 835-42	4.6	56
134	Tissue Engineered Constructs for Periodontal Regeneration: Current Status and Future Perspectives. *Advanced Healthcare Materials*, **2018**, 7, e1800457	10.1	55
133	The impact of primary hyperparathyroidism on the oral cavity. *Journal of Clinical Endocrinology and Metabolism*, **2006**, 91, 3439-45	5.6	55
132	Platelet-derived growth factor gene delivery stimulates ex vivo gingival repair. *Tissue Engineering*, **2003**, 9, 745-56		53

131	Bacterial and salivary biomarkers predict the gingival inflammatory profile. *Journal of Periodontology*, **2012**, 83, 79-89	4.6	52
130	Effect of sustained gene delivery of platelet-derived growth factor or its antagonist (PDGF-1308) on tissue-engineered cementum. *Journal of Periodontology*, **2004**, 75, 429-40	4.6	52
129	Reconstructive procedures for treating peri-implantitis: a systematic review. *Journal of Dental Research*, **2013**, 92, 131S-8S	8.1	51
128	Integrated microfluidic platform for oral diagnostics. *Annals of the New York Academy of Sciences*, **2007**, 1098, 362-74	6.5	51
127	Autogenous soft tissue grafting for periodontal and peri-implant plastic surgical reconstruction. *Journal of Periodontology*, **2020**, 91, 9-16	4.6	51
126	A Randomized Clinical Trial Evaluating rh-FGF-2/□TCP in Periodontal Defects. *Journal of Dental Research*, **2016**, 95, 523-30	8.1	50
125	Protein biomarkers and microbial profiles in peri-implantitis. *Clinical Oral Implants Research*, **2016**, 27, 1129-36	4.8	50
124	Pro-inflammatory biomarkers during experimental gingivitis in patients with type 1 diabetes mellitus: a proof-of-concept study. *Journal of Clinical Periodontology*, **2010**, 37, 9-16	7.7	49
123	Angiogenic and osteogenic potential of bone repair cells for craniofacial regeneration. *Tissue Engineering - Part A*, **2010**, 16, 2809-20	3.9	49
122	Gene transfer and expression of platelet-derived growth factors modulate periodontal cellular activity. *Journal of Dental Research*, **2001**, 80, 892-7	8.1	47
121	The stimulation of adipose-derived stem cell differentiation and mineralization by ordered rod-like fluorapatite coatings. *Biomaterials*, **2012**, 33, 5036-46	15.6	46
120	Living cellular construct for increasing the width of keratinized gingiva: results from a randomized, within-patient, controlled trial. *Journal of Periodontology*, **2011**, 82, 1414-23	4.6	46
119	Effect of systemic matrix metalloproteinase inhibition on periodontal wound repair: a proof of concept trial. *Journal of Periodontology*, **2004**, 75, 441-52	4.6	46
118	Effect of adjunctive systemic azithromycin with periodontal surgery in the treatment of chronic periodontitis in smokers: a pilot study. *Journal of Periodontology*, **2007**, 78, 1887-96	4.6	45
117	Biology of soft tissue wound healing and regeneration--consensus report of Group 1 of the 10th European Workshop on Periodontology. *Journal of Clinical Periodontology*, **2014**, 41 Suppl 15, S1-5	7.7	43
116	Systemic MMP inhibition for periodontal wound repair: results of a multi-centre randomized-controlled clinical trial. *Journal of Clinical Periodontology*, **2009**, 36, 149-56	7.7	43
115	Angiogenic biomarkers and healing of living cellular constructs. *Journal of Dental Research*, **2011**, 90, 456-62	8.1	43
114	Relationship between C-telopeptide pyridinoline cross-links (ICTP) and putative periodontal pathogens in periodontitis. *Journal of Clinical Periodontology*, **1998**, 25, 865-71	7.7	43

113	Spatiotemporally controlled microchannels of periodontal mimic scaffolds. *Journal of Dental Research*, **2014**, 93, 1304-12	8.1	42
112	The multi-center randomized controlled trial (RCT) published by the journal of the American Medical Association (JAMA) on the effect of periodontal therapy on glycated hemoglobin (HbA1c) has fundamental problems. *Journal of Evidence-based Dental Practice*, **2014**, 14, 127-32	1.9	41
111	Extracellular matrix-based scaffolding technologies for periodontal and peri-implant soft tissue regeneration. *Journal of Periodontology*, **2020**, 91, 17-25	4.6	41
110	Stromal-derived factor-1alpha (CXCL12) levels increase in periodontal disease. *Journal of Periodontology*, **2008**, 79, 845-53	4.6	40
109	Non-coordinate control of bone formation displayed by growth factor combinations with IGF-I. *Journal of Dental Research*, **1997**, 76, 1569-78	8.1	39
108	Outcomes of regenerative treatment with rhPDGF-BB and rhFGF-2 for periodontal intra-bony defects: a systematic review and meta-analysis. *Journal of Clinical Periodontology*, **2015**, 42, 272-80	7.7	38
107	Wound models for periodontal and bone regeneration: the role of biologic research. *Periodontology 2000*, **2015**, 68, 7-20	12.9	38
106	C-telopeptide pyridinoline cross-links. Sensitive indicators of periodontal tissue destruction. *Annals of the New York Academy of Sciences*, **1999**, 878, 404-12	6.5	38
105	Characterization of macrophage polarization in periodontal disease. *Journal of Clinical Periodontology*, **2019**, 46, 830-839	7.7	35
104	Evidence-based knowledge on the aesthetics and maintenance of peri-implant soft tissues: Osteology Foundation Consensus Report Part 1-Effects of soft tissue augmentation procedures on the maintenance of peri-implant soft tissue health. *Clinical Oral Implants Research*, **2018**, 29 Suppl 15, 7-10	4.8	35
103	Periostin is down-regulated during periodontal inflammation. *Journal of Dental Research*, **2012**, 91, 1078-84	8.1	35
102	Peri-implant soft tissue phenotype modification and its impact on peri-implant health: A systematic review and network meta-analysis. *Journal of Periodontology*, **2021**, 92, 21-44	4.6	35
101	Non-ionizing real-time ultrasonography in implant and oral surgery: A feasibility study. *Clinical Oral Implants Research*, **2017**, 28, 341-347	4.8	33
100	Gingival phenotype modification therapies on natural teeth: A network meta-analysis. *Journal of Periodontology*, **2020**, 91, 1386-1399	4.6	31
99	SDF-1 enhances wound healing of critical-sized calvarial defects beyond self-repair capacity. *PLoS ONE*, **2014**, 9, e97035	3.7	31
98	Comparative histologic analysis of coronally advanced flap with and without collagen membrane for root coverage. *Journal of Periodontology*, **2002**, 73, 779-88	4.6	31
97	Quo vadis: what is the future of periodontics? How will we get there?. *Periodontology 2000*, **2017**, 75, 353-371	12.9	29
96	Effect of sustained PDGF nonviral gene delivery on repair of tooth-supporting bone defects. *Gene Therapy*, **2017**, 24, 31-39	4	28

95	Noggin gene delivery inhibits cementoblast-induced mineralization. *Connective Tissue Research*, **2004**, 45, 50-9	3.3	28
94	Treatment of periodontal disease in a patient with Ehlers-Danlos syndrome. A case report and literature review. *Journal of Periodontology*, **2002**, 73, 564-70	4.6	28
93	Surgical periodontal therapy with and without initial scaling and root planing in the management of chronic periodontitis: a randomized clinical trial. *Journal of Clinical Periodontology*, **2014**, 41, 693-700	7.7	27
92	Titanium Activates the DNA Damage Response Pathway in Oral Epithelial Cells: A Pilot Study. *International Journal of Oral and Maxillofacial Implants*, **2017**, 32, 1413-1420	2.8	27
91	Non-invasive evaluation of facial crestal bone with ultrasonography. *PLoS ONE*, **2017**, 12, e0171237	3.7	27
90	Macrophages: The Bridge between Inflammation Resolution and Tissue Repair?. *Journal of Dental Research*, **2018**, 97, 1079-1081	8.1	26
89	3D Printed, Microgroove Pattern-Driven Generation of Oriented Ligamentous Architectures. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	24
88	Glycosaminoglycans and periodontal disease: analysis of GCF by safranin O. *Journal of Periodontology*, **1993**, 64, 186-90	4.6	24
87	Micropatterned Scaffolds with Immobilized Growth Factor Genes Regenerate Bone and Periodontal Ligament-Like Tissues. *Advanced Healthcare Materials*, **2018**, 7, e1800750	10.1	24
86	TLR4, NOD1 and NOD2 mediate immune recognition of putative newly identified periodontal pathogens. *Molecular Oral Microbiology*, **2016**, 31, 243-258	4.6	23
85	Commentary: Treatment of periodontitis: destroyed periodontal tissues can be regenerated under certain conditions. *Journal of Periodontology*, **2014**, 85, 1151-4	4.6	23
84	Methods to validate tooth-supporting regenerative therapies. *Methods in Molecular Biology*, **2012**, 887, 135-48	1.4	23
83	Serum antibodies to Porphyromonas gingivalis chaperone HtpG predict health in periodontitis susceptible patients. *PLoS ONE*, **2008**, 3, e1984	3.7	23
82	LMP1 regulates periodontal ligament progenitor cell proliferation and differentiation. *Bone*, **2010**, 47, 55-64	4.7	22
81	Divergence of the systemic immune response following oral infection with distinct strains of Porphyromonas gingivalis. *Molecular Oral Microbiology*, **2012**, 27, 483-95	4.6	21
80	Adenoviral gene transfer of PDGF downregulates gas gene product PDGFalphaR and prolongs ERK and Akt/PKB activation. *American Journal of Physiology - Cell Physiology*, **2002**, 282, C538-44	5.4	21
79	Clinical, microbiological, and salivary biomarker profiles of dental implant patients with type 2 diabetes. *Clinical Oral Implants Research*, **2014**, 25, 803-12	4.8	20
78	Recombinant human bone morphogenetic protein 2 outcomes for maxillary sinus floor augmentation: a systematic review and meta-analysis. *Clinical Oral Implants Research*, **2016**, 27, 1349-1359	4.8	20

77	When epigenetics meets bioengineering-A material characteristics and surface topography perspective. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2018**, 106, 2065-2071	3.5	19
76	Periodontal Health in Women With Early-Stage Postmenopausal Breast Cancer Newly on Aromatase Inhibitors: A Pilot Study. *Journal of Periodontology*, **2015**, 86, 906-16	4.6	18
75	Characterization of macrophages infiltrating peri-implantitis lesions. *Clinical Oral Implants Research*, **2020**, 31, 274-281	4.8	18
74	Personalized scaffolding technologies for alveolar bone regenerative medicine. *Orthodontics and Craniofacial Research*, **2019**, 22 Suppl 1, 69-75	3	17
73	Patterns of periodontal disease progression based on linear mixed models of clinical attachment loss. *Journal of Clinical Periodontology*, **2018**, 45, 15-25	7.7	17
72	Generation of site-appropriate tissue by a living cellular sheet in the treatment of mucogingival defects. *Journal of Periodontology*, **2014**, 85, e57-64	4.6	17
71	Evaluation of DNA methylation of inflammatory genes following treatment of chronic periodontitis: A pilot case-control study. *Journal of Clinical Periodontology*, **2017**, 44, 905-914	7.7	17
70	HMGB1 localization during experimental periodontitis. *Mediators of Inflammation*, **2014**, 2014, 816320	4.3	17
69	Recombinant Human Platelet-Derived Growth Factor: A Systematic Review of Clinical Findings in Oral Regenerative Procedures. *JDR Clinical and Translational Research*, **2021**, 6, 161-173	2.2	17
68	Cell-Based Therapies for Alveolar Bone and Periodontal Regeneration: Concise Review. *Stem Cells Translational Medicine*, **2019**, 8, 1286-1295	6.9	16
67	Salivary biomarkers for periodontal disease diagnostics. *Expert Opinion on Medical Diagnostics*, **2011**, 5, 25-35		16
66	Modelling changes in clinical attachment loss to classify periodontal disease progression. *Journal of Clinical Periodontology*, **2016**, 43, 426-34	7.7	16
65	Maresin 1 Promotes Wound Healing and Socket Bone Regeneration for Alveolar Ridge Preservation. *Journal of Dental Research*, **2020**, 99, 930-937	8.1	14
64	Evidence-based knowledge on the aesthetics and maintenance of peri-implant soft tissues: Osteology Foundation Consensus Report Part 2-Effects of hard tissue augmentation procedures on the maintenance of peri-implant tissues. *Clinical Oral Implants Research*, **2018**, 29 Suppl 15, 11-13	4.8	14
63	Getting to the root of dental implant tissue engineering. *Journal of Clinical Periodontology*, **2010**, 37, 747-9	7.7	14
62	Cell population kinetics of collagen scaffolds in ex vivo oral wound repair. *PLoS ONE*, **2014**, 9, e112680	3.7	13
61	Biologics-based regenerative technologies for periodontal soft tissue engineering. *Journal of Periodontology*, **2020**, 91, 147-154	4.6	13
60	Sclerostin-Neutralizing Antibody Enhances Bone Regeneration Around Oral Implants. *Tissue Engineering - Part A*, **2018**, 24, 1672-1679	3.9	12

59	Local wound healing biomarkers for real-time assessment of periodontal regeneration: pilot study. *Journal of Periodontal Research*, **2017**, 52, 388-396	4.3	11
58	Immunoglobulin G (IgG) class, but Not IgA or IgM, antibodies to peptides of the Porphyromonas gingivalis chaperone HtpG predict health in subjects with periodontitis by a fluorescence enzyme-linked immunosorbent assay. *Vaccine Journal*, **2009**, 16, 1766-73		11
57	Effects of triclosan on host response and microbial biomarkers during experimental gingivitis. *Journal of Clinical Periodontology*, **2016**, 43, 435-44	7.7	11
56	Swallowed and aspirated dental prostheses and instruments in clinical dental practice: a report of five cases and a proposed management algorithm. *Journal of the American Dental Association*, **2014**, 145, 459-63	1.9	10
55	Sclerostin antibody stimulates periodontal regeneration in large alveolar bone defects. *Scientific Reports*, **2020**, 10, 16217	4.9	10
54	Biosensor and Lab-on-a-chip Biomarker-identifying Technologies for Oral and Periodontal Diseases. *Frontiers in Pharmacology*, **2020**, 11, 588480	5.6	10
53	Multigrowth Factor Delivery via Immobilization of Gene Therapy Vectors. *Advanced Materials*, **2016**, 28, 3145-51	24	10
52	Salivary exRNA biomarkers to detect gingivitis and monitor disease regression. *Journal of Clinical Periodontology*, **2018**, 45, 806-817	7.7	10
51	The effect of apically repositioned flap surgery on clinical parameters and the composition of the subgingival microbiota: 12-month data. *International Journal of Periodontics and Restorative Dentistry*, **2002**, 22, 209-19	2.1	9
50	Living cell-based regenerative medicine technologies for periodontal soft tissue augmentation. *Journal of Periodontology*, **2020**, 91, 155-164	4.6	9
49	Genome Editing: A New Horizon for Oral and Craniofacial Research. *Journal of Dental Research*, **2019**, 98, 36-45	8.1	9
48	Biological factors involved in alveolar bone regeneration: Consensus report of Working Group 1 of the 15 European Workshop on Periodontology on Bone Regeneration. *Journal of Clinical Periodontology*, **2019**, 46 Suppl 21, 6-11	7.7	8
47	Biologics and Cell Therapy Tissue Engineering Approaches for the Management of the Edentulous Maxilla: A Systematic Review. *International Journal of Oral and Maxillofacial Implants*, **2016**, 31 Suppl, s121-64	2.8	8
46	Development of a nomogram for the prediction of periodontal tooth loss using the staging and grading system: A long-term cohort study. *Journal of Clinical Periodontology*, **2020**, 47, 1362-1370	7.7	8
45	Taxes on Sugar-Sweetened Beverages: A Strategy to Reduce Epidemics of Diabetes, Obesity, and Dental Caries?. *Journal of Dental Research*, **2016**, 95, 1325-1326	8.1	8
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43	Systemic Teriparatide Administration Promotes Osseous Regeneration of an Intrabony Defect: A Case Report. *Clinical Advances in Periodontics*, **2012**, 2, 66-71	0.9	7
42	Determination of the dynamics of healing at the tissue-implant interface by means of microcomputed tomography and functional apparent moduli. *International Journal of Oral and Maxillofacial Implants*, **2013**, 28, 68-76	2.8	7

41	Preclinical methods for the evaluation of periodontal regeneration in vivo. *Methods in Molecular Biology*, **2010**, 666, 285-307	1.4	7
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