

# Nikolaos Donos

## List of Publications by Year in descending order

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127  
papers

8,420  
citations

46918

47  
h-index

49773

87  
g-index

130  
all docs

130  
docs citations

130  
times ranked

7353  
citing authors

#	ARTICLE	IF	CITATIONS
1	Treatment of stage I&II periodontitis&quot;The EFP S3 level clinical practice guideline. Journal of Clinical Periodontology, 2020, 47, 4-60.	2.3	621
2	Guided Bone Regeneration: biological principle and therapeutic applications. Clinical Oral Implants Research, 2010, 21, 567-576.	1.9	460
3	Primary prevention of periodontitis: managing gingivitis. Journal of Clinical Periodontology, 2015, 42, S71-6.	2.3	399
4	Early osseointegration to hydrophilic and hydrophobic implant surfaces in humans. Clinical Oral Implants Research, 2011, 22, 349-356.	1.9	357
5	Systemic effects of periodontitis treatment in patients with type 2 diabetes: a 12 month, single-centre, investigator-masked, randomised trial. Lancet Diabetes and Endocrinology, 2018, 6, 954-965.	5.5	269
6	Clinical outcomes of implants following lateral bone augmentation: systematic assessment of available options (barrier membranes, bone grafts, split osteotomy). Journal of Clinical Periodontology, 2008, 35, 173-202.	2.3	254
7	Modified titanium surfaces promote accelerated osteogenic differentiation of mesenchymal stromal cells in vitro. Bone, 2009, 45, 17-26.	1.4	253
8	Alveolar ridge preservation with guided bone regeneration and a synthetic bone substitute or a bovine&quot;derived xenograft: a randomized, controlled clinical trial. Clinical Oral Implants Research, 2010, 21, 688-698.	1.9	211
9	Healing of human intrabony defects following treatment with enamel matrix proteins or guided tissue regeneration. Journal of Periodontal Research, 1999, 34, 310-322.	1.4	200
10	Alveolar ridge preservation. A systematic review. Clinical Oral Investigations, 2013, 17, 341-363.	1.4	189
11	Twenty&quot;years of enamel matrix derivative: the past, the present and the future. Journal of Clinical Periodontology, 2016, 43, 668-683.	2.3	186
12	Systematic review of implant outcomes in treated periodontitis subjects. Journal of Clinical Periodontology, 2008, 35, 438-462.	2.3	178
13	Subgingival microbiota in health compared to periodontitis and the influence of smoking. Frontiers in Microbiology, 2015, 6, 119.	1.5	178
14	Implant survival and complications. The Third <sc>EAO</sc> consensus conference 2012. Clinical Oral Implants Research, 2012, 23, 63-65.	1.9	157
15	Hard and soft tissue changes following alveolar ridge preservation: a systematic review. Clinical Oral Implants Research, 2017, 28, 982-1004.	1.9	152
16	A systematic review on the critical size defect model. Clinical Oral Implants Research, 2014, 25, 879-893.	1.9	149
17	Gene expression profile of osseointegration of a hydrophilic compared with a hydrophobic microrough implant surface. Clinical Oral Implants Research, 2011, 22, 365-372.	1.9	138
18	Biomaterials and regenerative technologies used in bone regeneration in the craniomaxillofacial region: Consensus report of group 2 of the 15th European Workshop on Periodontology on Bone Regeneration. Journal of Clinical Periodontology, 2019, 46, 82-91.	2.3	132

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19	Treatment of intrabony defects with enamel matrix proteins and guided tissue regeneration. Journal of Clinical Periodontology, 2001, 28, 397-403.	2.3	130
20	The role of bone debris in early healing adjacent to hydrophilic and hydrophobic implant surfaces in man. Clinical Oral Implants Research, 2011, 22, 357-364.	1.9	117
21	Does ridge preservation following tooth extraction improve implant treatment outcomes: a systematic review. Clinical Oral Implants Research, 2015, 26, 180-201.	1.9	114
22	Comparison of Enamel Matrix Proteins and Bioabsorbable Membranes in the Treatment of Intrabony Periodontal Defects. A Split-Mouth Study. Journal of Periodontology, 1999, 70, 255-262.	1.7	108
23	Effect of GBR in combination with deproteinized bovine bone mineral and/or enamel matrix proteins on the healing of critical-size defects. Clinical Oral Implants Research, 2004, 15, 101-111.	1.9	101
24	Tooth loss in molars with and without furcation involvement – a systematic review and meta-analysis. Journal of Clinical Periodontology, 2016, 43, 156-166.	2.3	95
25	Alveolar ridge augmentation using a resorbable copolymer membrane and autogenous bone grafts. Clinical Oral Implants Research, 2002, 13, 203-213.	1.9	91
26	Transcriptional profiling of osseointegration in humans. Clinical Oral Implants Research, 2011, 22, 373-381.	1.9	85
27	The adjunctive use of host modulators in non-surgical periodontal therapy. A systematic review of randomized, placebo-controlled clinical studies. Journal of Clinical Periodontology, 2020, 47, 199-238.	2.3	82
28	Tooth Loss in Aggressive Periodontitis. Journal of Dental Research, 2013, 92, 868-875.	2.5	79
29	Effects of fixed vs removable orthodontic retainers on stability and periodontal health: 4-year follow-up of a randomized controlled trial. American Journal of Orthodontics and Dentofacial Orthopedics, 2018, 154, 167-174.e1.	0.8	77
30	Effect of diabetes and metabolic control on <i>de novo</i> bone formation following guided bone regeneration. Clinical Oral Implants Research, 2010, 21, 71-79.	1.9	76
31	Experimental Model for Bone Regeneration in Oral and Cranio-Maxillo-Facial Surgery. Journal of Investigative Surgery, 2014, 27, 32-49.	0.6	72
32	A systematic review of implant outcomes in treated periodontitis patients. Clinical Oral Implants Research, 2016, 27, 787-844.	1.9	72
33	Accuracy of single molecular biomarkers in saliva for the diagnosis of periodontitis: A systematic review and meta-analysis. Journal of Clinical Periodontology, 2020, 47, 2-18.	2.3	70
34	The enhanced modulation of key bone matrix components by modified Titanium implant surfaces. Bone, 2012, 50, 1-8.	1.4	69
35	Long-term stability of autogenous bone grafts following combined application with guided bone regeneration. Clinical Oral Implants Research, 2005, 16, 133-139.	1.9	67
36	In vivo gene expression profile of guided bone regeneration associated with a microrough titanium surface. Clinical Oral Implants Research, 2011, 22, 390-398.	1.9	67

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37	Periodontal infectogenomics. <i>Journal of Medical Microbiology</i> , 2009, 58, 1269-1274.	0.7	63
38	Transcriptional profiling of "guided bone regeneration" in a critical-size calvarial defect. <i>Clinical Oral Implants Research</i> , 2011, 22, 382-389.	1.9	59
39	Bone formation by enamel matrix proteins and xenografts: an experimental study in the rat ramus. <i>Clinical Oral Implants Research</i> , 2005, 16, 140-146.	1.9	58
40	A systematic review on the association between genetic predisposition and dental implant biological complications. <i>Clinical Oral Implants Research</i> , 2012, 23, 775-788.	1.9	57
41	Genetic dysbiosis: the role of microbial insults in chronic inflammatory diseases. <i>Journal of Oral Microbiology</i> , 2014, 6, 22962.	1.2	57
42	Experimental models for guided bone regeneration in healthy and medically compromised conditions. <i>Periodontology 2000</i> , 2015, 68, 99-121.	6.3	56
43	Degradation pattern of a porcine collagen membrane in an in vivo model of guided bone regeneration. <i>Journal of Periodontal Research</i> , 2018, 53, 430-439.	1.4	55
44	Alveolar ridge augmentation by combining autogenous mandibular bone grafts and non-resorbable membranes. <i>Clinical Oral Implants Research</i> , 2002, 13, 185-191.	1.9	54
45	Augmentation of the rat jaw with autogeneic cortico-cancellous bone grafts and guided tissue regeneration. <i>Clinical Oral Implants Research</i> , 2002, 13, 192-202.	1.9	51
46	Association between overweight/obesity and increased risk of periodontitis. <i>Journal of Clinical Periodontology</i> , 2015, 42, 733-739.	2.3	51
47	The Effect of Postsurgical Antibiotics on the Healing of Intrabony Defects Following Treatment With Enamel Matrix Proteins. <i>Journal of Periodontology</i> , 2001, 72, 190-195.	1.7	50
48	Hierarchical decisions on teeth vs. implants in the periodontitis-susceptible patient: the modern dilemma. <i>Periodontology 2000</i> , 2012, 59, 89-110.	6.3	50
49	The effect of SLActive surface in guided bone formation in osteoporotic-like conditions. <i>Clinical Oral Implants Research</i> , 2011, 22, 406-415.	1.9	49
50	What is the effect of soft tissue thickness on crestal bone loss around dental implants? A systematic review. <i>Clinical Oral Implants Research</i> , 2017, 28, 1046-1053.	1.9	49
51	Accuracy of single molecular biomarkers in gingival crevicular fluid for the diagnosis of periodontitis: A systematic review and meta-analysis. <i>Journal of Clinical Periodontology</i> , 2019, 46, 1166-1182.	2.3	49
52	Gingival biotype revisited" novel classification and assessment tool. <i>Clinical Oral Investigations</i> , 2018, 22, 443-448.	1.4	48
53	Gingival blood flow changes following periodontal access flap surgery using laser Doppler flowmetry. <i>Journal of Clinical Periodontology</i> , 2007, 34, 437-443.	2.3	47
54	Pro-osteogenic properties of hydrophilic and hydrophobic titanium surfaces: Crosstalk between signalling pathways in in vivo models. <i>Journal of Periodontal Research</i> , 2018, 53, 598-609.	1.4	47

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55	Augmentation of the mandible with GTR and onlay cortical bone grafting. <i>Clinical Oral Implants Research</i> , 2002, 13, 175-184.	1.9	46
56	Maxillary sinus augmentation with leukocyte and platelet-rich fibrin and deproteinized bovine bone mineral: A split-mouth histological and histomorphometric study. <i>Clinical Oral Implants Research</i> , 2018, 29, 67-75.	1.9	46
57	Evaluation of gingival blood flow by the use of laser Doppler flowmetry following periodontal surgery. A pilot study. <i>Journal of Periodontal Research</i> , 2005, 40, 129-137.	1.4	45
58	A retrospective study on periodontal disease progression in private practice. <i>Journal of Clinical Periodontology</i> , 2017, 44, 290-297.	2.3	41
59	The effect of loading in regenerated bone in dehiscence defects following a combined approach of bone grafting and GBR. <i>Clinical Oral Implants Research</i> , 2012, 23, 591-601.	1.9	39
60	The use of bioactive factors to enhance bone regeneration: A narrative review. <i>Journal of Clinical Periodontology</i> , 2019, 46, 124-161.	2.3	39
61	The effect of horizontal and vertical furcation involvement on molar survival: A retrospective study. <i>Journal of Clinical Periodontology</i> , 2018, 45, 373-381.	2.3	37
62	Differential Effect of Amelogenin Peptides on Osteogenic Differentiation In Vitro: Identification of Possible New Drugs for Bone Repair and Regeneration. <i>Tissue Engineering - Part A</i> , 2012, 18, 1193-1202.	1.6	34
63	Peri-implant and periodontal microbiome diversity in aggressive periodontitis patients: a pilot study. <i>Clinical Oral Implants Research</i> , 2017, 28, 558-570.	1.9	34
64	Mitochondrial oxidative stress, endothelial function and metabolic control in patients with type II diabetes and periodontitis: A randomised controlled clinical trial. <i>International Journal of Cardiology</i> , 2018, 271, 263-268.	0.8	34
65	Differences in the periodontal microbiome of successfully treated and persistent aggressive periodontitis. <i>Journal of Clinical Periodontology</i> , 2020, 47, 980-990.	2.3	34
66	<i>Aggregatibacter actinomycetemcomitans</i> serotype prevalence and antibiotic resistance in a UK population with periodontitis. <i>Journal of Global Antimicrobial Resistance</i> , 2017, 10, 54-58.	0.9	33
67	Empirical or microbiologically guided systemic antimicrobials as adjuncts to non-surgical periodontal therapy? A systematic review. <i>Journal of Clinical Periodontology</i> , 2019, 46, 999-1012.	2.3	33
68	The effect of diabetes on bone formation following application of the GBR principle with the use of titanium domes. <i>Clinical Oral Implants Research</i> , 2013, 24, 28-35.	1.9	32
69	An <i>in vitro</i> study on disinfection of titanium surfaces. <i>Clinical Oral Implants Research</i> , 2016, 27, 1227-1232.	1.9	31
70	The effect of furcation involvement on tooth loss in a population without regular periodontal therapy. <i>Journal of Clinical Periodontology</i> , 2017, 44, 813-821.	2.3	30
71	BSP implementation of European S3 - level evidence-based treatment guidelines for stage I-III periodontitis in UK clinical practice. <i>Journal of Dentistry</i> , 2021, 106, 103562.	1.7	30
72	Microarray gene expression during early healing of GBR-treated calvarial critical size defects. <i>Clinical Oral Implants Research</i> , 2017, 28, 1248-1257.	1.9	28

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73	Effect of immediate or delayed loading following immediate placement of implants with a modified surface. <i>Clinical Oral Implants Research</i> , 2011, 22, 38-46.	1.9	27
74	The effect of experimental osteoporosis on bone regeneration: Part 1, histology findings. <i>Clinical Oral Implants Research</i> , 2017, 28, e101-e110.	1.9	27
75	Protein expression during early stages of bone regeneration under hydrophobic and hydrophilic titanium domes. A pilot study. <i>Journal of Periodontal Research</i> , 2018, 53, 174-187.	1.4	27
76	The effect of experimental diabetes and glycaemic control on guided bone regeneration: histology and gene expression analyses. <i>Clinical Oral Implants Research</i> , 2018, 29, 139-154.	1.9	27
77	Osteoporotic Animal Models of Bone Healing: Advantages and Pitfalls. <i>Journal of Investigative Surgery</i> , 2017, 30, 342-350.	0.6	25
78	Osseointegration in osteoporotic-like condition: A systematic review of preclinical studies. <i>Journal of Periodontal Research</i> , 2018, 53, 933-940.	1.4	25
79	Experimental models for contamination of titanium surfaces and disinfection protocols. <i>Clinical Oral Implants Research</i> , 2016, 27, 1233-1242.	1.9	24
80	The effect of experimental osteoporosis on bone regeneration: part 2, proteomics results. <i>Clinical Oral Implants Research</i> , 2017, 28, e135-e145.	1.9	23
81	Evaluation of the effectiveness of a tailored mobile application in increasing the duration of wear of thermoplastic retainers: a randomized controlled trial. <i>European Journal of Orthodontics</i> , 2020, 42, 571-579.	1.1	23
82	Guided bone regeneration in osteoporotic conditions following treatment with zoledronic acid. <i>Clinical Oral Implants Research</i> , 2017, 28, 362-371.	1.9	22
83	Association of oral health-related quality of life measures with aggressive and chronic periodontitis. <i>Journal of Periodontal Research</i> , 2020, 55, 574-580.	1.4	22
84	Drugs and diseases: Summary and consensus statements of group 1. The 5 <sup>th</sup> EAO Consensus Conference 2018. <i>Clinical Oral Implants Research</i> , 2018, 29, 93-99.	1.9	21
85	Repeated delivery of chlorhexidine chips for the treatment of peri-implantitis: A multicenter, randomized, comparative clinical trial. <i>Journal of Periodontology</i> , 2021, 92, 11-20.	1.7	21
86	Differences in the subgingival microbial population of chronic periodontitis in subjects with and without type 2 diabetes mellitus—a systematic review. <i>Clinical Oral Investigations</i> , 2018, 22, 2743-2762.	1.4	20
87	The role of immediate provisional restorations on implants with a hydrophilic surface: A randomised, single-blind controlled clinical trial. <i>Clinical Oral Implants Research</i> , 2018, 29, 55-66.	1.9	19
88	Impact of timing of dental implant placement and loading: Summary and consensus statements of group 1—The 6 <sup>th</sup> EAO Consensus Conference 2021. <i>Clinical Oral Implants Research</i> , 2021, 32, 85-92.	1.9	19
89	Anemia of inflammation associated with periodontitis: Analysis of two clinical studies. <i>Journal of Periodontology</i> , 2019, 90, 1252-1259.	1.7	18
90	GTR with bioresorbable membranes in the treatment of intrabony defects: a clinical and histologic study. <i>International Journal of Periodontics and Restorative Dentistry</i> , 1999, 19, 501-9.	0.4	18

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91	Alveolar ridge preservation with guided bone regeneration or socket seal technique. A randomised, single-blind controlled clinical trial. <i>Clinical Oral Implants Research</i> , 2022, 33, 681-699.	1.9	18
92	The use of human hypertrophic chondrocytes-derived extracellular matrix for the treatment of critical-size calvarial defects. <i>Clinical Oral Implants Research</i> , 2011, 22, 1346-1353.	1.9	17
93	Radiographic outcomes following treatment of intrabony defect with guided tissue regeneration in aggressive periodontitis. <i>Clinical Oral Investigations</i> , 2016, 20, 1227-1235.	1.4	17
94	Periodontal status of children with primary immunodeficiencies: a systematic review. <i>Clinical Oral Investigations</i> , 2020, 24, 1939-1951.	1.4	17
95	The use of omics profiling to improve outcomes of bone regeneration and osseointegration. How far are we from personalized medicine in dentistry?. <i>Journal of Proteomics</i> , 2018, 188, 85-96.	1.2	16
96	Obesity as predictive factor of periodontal therapy clinical outcomes: A cohort study. <i>Journal of Clinical Periodontology</i> , 2020, 47, 594-601.	2.3	16
97	Systematic review and meta-analysis on the adjunctive use of host immune modulators in non-surgical periodontal treatment in healthy and systemically compromised patients. <i>Scientific Reports</i> , 2021, 11, 12125.	1.6	16
98	A long-lasting guided bone regeneration membrane from sequentially functionalised photoactive atelocollagen. <i>Acta Biomaterialia</i> , 2022, 140, 190-205.	4.1	16
99	Treatment of intrabony defects with guided tissue regeneration in aggressive periodontitis: clinical outcomes at 6 and 12 months. <i>Clinical Oral Investigations</i> , 2016, 20, 1217-1225.	1.4	15
100	Expression of growth mediators in the gingival crevicular fluid of patients with aggressive periodontitis undergoing periodontal surgery. <i>Clinical Oral Investigations</i> , 2019, 23, 3307-3318.	1.4	15
101	Proteomic and Transcriptomic Approaches for Studying Bone Regeneration in Health and Systemically Compromised Conditions. <i>Proteomics - Clinical Applications</i> , 2020, 14, e1900084.	0.8	15
102	Immediate provisionalization of bone level implants with a hydrophilic surface. A five-year follow-up of a randomized controlled clinical trial. <i>Clinical Oral Implants Research</i> , 2019, 30, 139-149.	1.9	14
103	Minimally invasive non-surgical vs. surgical approach for periodontal intrabony defects: a randomised controlled trial. <i>Trials</i> , 2019, 20, 461.	0.7	13
104	Left ventricular geometry and periodontitis in patients with the metabolic syndrome. <i>Clinical Oral Investigations</i> , 2019, 23, 2695-2703.	1.4	13
105	Expression of inflammatory biomarkers and growth factors in gingival crevicular fluid at different healing intervals following non-surgical periodontal treatment: A systematic review. <i>Journal of Periodontal Research</i> , 2020, 55, 801-809.	1.4	13
106	Effect of peri-implant mucosal thickness on esthetic outcomes and the efficacy of soft tissue augmentation procedures: Consensus report of group 2 of the <sc>SEPA</sc>/<sc>DGI</sc>/<sc>OF</sc> workshop. <i>Clinical Oral Implants Research</i> , 2022, 33, 100-108.	1.9	12
107	The role of strontium ranelate and guided bone regeneration in osteoporotic and healthy conditions. <i>Journal of Periodontal Research</i> , 2021, 56, 330-338.	1.4	11
108	Comparison of the efficacy of periodontal prognostic systems in predicting tooth loss. <i>Journal of Clinical Periodontology</i> , 2022, 49, 740-748.	2.3	11

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109	Prevalence and treatment of necrotizing ulcerative gingivitis (NUG) in the British Armed Forces: a case-control study. <i>Clinical Oral Investigations</i> , 2017, 21, 1935-1944.	1.4	10
110	Has the quality of reporting in periodontology changed in 14 years? A systematic review. <i>Journal of Clinical Periodontology</i> , 2016, 43, 833-838.	2.3	9
111	Effect of Wnt3a delivery on early healing events during guided bone regeneration. <i>Clinical Oral Implants Research</i> , 2017, 28, 283-290.	1.9	9
112	Expression of gingival crevicular fluid markers during early and late healing of intrabony defects after surgical treatment: a systematic review. <i>Clinical Oral Investigations</i> , 2020, 24, 487-502.	1.4	9
113	Development and validation of a multiplex bead assay for measuring growth mediators in wound fluid. <i>Analyst, The</i> , 2010, 135, 182-188.	1.7	7
114	Blood flow changes using a 3D xenogeneic collagen matrix or a subepithelial connective tissue graft for root coverage procedures: a pilot study. <i>Clinical Oral Investigations</i> , 2018, 22, 1697-1705.	1.4	6
115	Patterns of subgingival microbiota in different periodontal phenotypes. <i>Journal of Dentistry</i> , 2022, 117, 103912.	1.7	6
116	Leukocyte receptor expression in chronic periodontitis. <i>Clinical Oral Investigations</i> , 2016, 20, 2559-2564.	1.4	5
117	Association between circulating levels of heat-shock protein 27 and aggressive periodontitis. <i>Cell Stress and Chaperones</i> , 2018, 23, 847-856.	1.2	5
118	Atypical Mesenchymal Stromal Cell Responses to Topographic Modifications of Titanium Biomaterials Indicate Cytoskeletal- and Genetic Plasticity-Based Heterogeneity of Cells. <i>Stem Cells International</i> , 2019, 2019, 1-16.	1.2	5
119	Systematic review on the association between genetic polymorphisms and dental implant-related biological complications. <i>Clinical Oral Implants Research</i> , 2022, 33, 131-141.	1.9	4
120	The effect of a behavioural management tool in adults with mild to moderate periodontitis. A single-blind, randomized controlled trial. <i>Journal of Periodontal Research</i> , 2021, 56, 46-57.	1.4	3
121	Treatment of intrabony periodontal defects in controlled diabetic patients with an enamel matrix derivative: a split-mouth randomized clinical trial. <i>Clinical Oral Investigations</i> , 2022, 26, 2479-2489.	1.4	3
122	Efficacy of tooth-supported compared to implant-supported full-arch removable prostheses in patients with terminal dentition. A systematic review. <i>Journal of Clinical Periodontology</i> , 2021, , .	2.3	3
123	The efficacy of adjunctive periodontal therapies during supportive periodontal care in patients with residual pockets. A systematic review and meta-analysis. <i>Journal of Periodontal Research</i> , 2022, 57, 671-689.	1.4	3
124	Analysis of gingival crevicular fluid biomarkers in patients with metabolic syndrome. <i>Journal of Dentistry</i> , 2022, 118, 104065.	1.7	2
125	The effect of experimental diabetes and membrane occlusiveness on guided bone regeneration: A proof of principle study. <i>Clinical Oral Investigations</i> , 2022, 26, 5223-5235.	1.4	2
126	Periodontal status in children with primary immunodeficiencies. <i>Journal of Periodontal Research</i> , 2021, 56, 819-827.	1.4	0



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127	Public involvement in research: exploring periodontal and peri-implant health and disease in partnership with Perio@RLH patient forum members. British Dental Journal, 2022, 232, 371-374.	0.3	0