

# Gert Meijer

## List of Publications by Year in descending order

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Version: 2024-02-01

116  
papers

4,851  
citations

109137

35  
h-index

106150

65  
g-index

117  
all docs

117  
docs citations

117  
times ranked

5273  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D microenvironment as essential element for osteoinduction by biomaterials. <i>Biomaterials</i> , 2005, 26, 3565-3575.	5.7	542
2	Cell-Based Bone Tissue Engineering. <i>PLoS Medicine</i> , 2007, 4, e9.	3.9	263
3	Osteogenicity of octacalcium phosphate coatings applied on porous metal implants. <i>Journal of Biomedical Materials Research - Part A</i> , 2003, 66A, 779-788.	2.1	210
4	Position of the impacted third molar in relation to the mandibular canal. Diagnostic accuracy of cone beam computed tomography compared with panoramic radiography. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2009, 38, 964-971.	0.7	207
5	Biological performance of uncoated and octacalcium phosphate-coated Ti6Al4V. <i>Biomaterials</i> , 2005, 26, 23-36.	5.7	205
6	Cell based bone tissue engineering in jaw defects. <i>Biomaterials</i> , 2008, 29, 3053-3061.	5.7	191
7	Influence of octacalcium phosphate coating on osteoinductive properties of biomaterials. <i>Journal of Materials Science: Materials in Medicine</i> , 2004, 15, 373-380.	1.7	149
8	Concise Review: Cell-Based Strategies in Bone Tissue Engineering and Regenerative Medicine. <i>Stem Cells Translational Medicine</i> , 2014, 3, 98-107.	1.6	144
9	Influence of surgical technique and surface roughness on the primary stability of an implant in artificial bone with different cortical thickness: a laboratory study. <i>Clinical Oral Implants Research</i> , 2010, 21, 213-220.	1.9	116
10	A Meta-Analysis of Histomorphometric Results and Graft Healing Time of Various Biomaterials Compared to Autologous Bone Used as Sinus Floor Augmentation Material in Humans. <i>Tissue Engineering - Part B: Reviews</i> , 2010, 16, 493-507.	2.5	114
11	The use of cone beam CT for the removal of wisdom teeth changes the surgical approach compared with panoramic radiography: a pilot study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2011, 40, 834-839.	0.7	104
12	Influence of the surgical technique and surface roughness on the primary stability of an implant in artificial bone with a density equivalent to maxillary bone: a laboratory study. <i>Clinical Oral Implants Research</i> , 2009, 20, 327-332.	1.9	103
13	Clinical Application of Human Mesenchymal Stromal Cells for Bone Tissue Engineering. <i>Stem Cells International</i> , 2010, 2010, 1-12.	1.2	92
14	The quantitative assessment of peri-implant bone responses using histomorphometry and micro-computed tomography. <i>Biomaterials</i> , 2009, 30, 4539-4549.	5.7	74
15	Soft tissue response to zirconia and titanium implant abutments: an in vivo within-subject comparison. <i>Journal of Clinical Periodontology</i> , 2012, 39, 995-1001.	2.3	72
16	The Effect of Platelet-Rich Plasma <i>In Vitro</i> on Primary Cells: Rat Osteoblast-like Cells and Human Endothelial Cells. <i>Tissue Engineering - Part A</i> , 2010, 16, 3159-3172.	1.6	67
17	Bone growth in biomimetic apatite coated porous Polyactive® 1000PECT70PBT30 implants. <i>Biomaterials</i> , 2002, 23, 4649-4656.	5.7	64
18	Tissue engineering strategies for alveolar cleft reconstruction: a systematic review of the literature. <i>Clinical Oral Investigations</i> , 2014, 18, 219-226.	1.4	61

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19	Clinical relevance of cone beam computed tomography in mandibular third molar removal: A multicentre, randomised, controlled trial. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 2158-2167.	0.7	60
20	Sinus Floor Augmentation Surgery Using Autologous Bone Grafts from Various Donor Sites: A Meta-Analysis of the Total Bone Volume. <i>Tissue Engineering - Part B: Reviews</i> , 2010, 16, 295-303.	2.5	59
21	Periodontal regeneration using an injectable bone cement combined with BMP-2 or FGF-2. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 202-209.	1.3	59
22	Evaluation of primary and secondary stability of titanium implants using different surgical techniques. <i>Clinical Oral Implants Research</i> , 2014, 25, 487-492.	1.9	55
23	The clinical relevance of bifid and trifid mandibular canals. <i>Oral and Maxillofacial Surgery</i> , 2012, 16, 147-151.	0.6	51
24	Reproducibility of 3 Different Tracing Methods Based on Cone Beam Computed Tomography in Determining the Anatomical Position of the Mandibular Canal. <i>Journal of Oral and Maxillofacial Surgery</i> , 2010, 68, 811-817.	0.5	49
25	Complications in alveolar distraction osteogenesis of the atrophic mandible. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2007, 36, 916-921.	0.7	46
26	Ectopic bone formation in bone marrow stem cell seeded calcium phosphate scaffolds as compared to autograft and (cell seeded) allograft. , 2007, 14, 30-39.		46
27	A Clinically Relevant Accuracy Study of Computer-Planned Implant Placement in the Edentulous Maxilla Using Mucosa-Supported Surgical Templates. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 343-352.	1.6	45
28	The effect of alkaline phosphatase coated onto titanium alloys on bone responses in rats. <i>Biomaterials</i> , 2009, 30, 6407-6417.	5.7	43
29	In vivo bone response and mechanical evaluation of electrosprayed CaP nanoparticle coatings using the iliac crest of goats as an implantation model. <i>Acta Biomaterialia</i> , 2010, 6, 2227-2236.	4.1	43
30	The influence of a flexible coating on the bone stress around dental implants. <i>Journal of Oral Rehabilitation</i> , 1995, 22, 105-111.	1.3	42
31	Early secondary closure of alveolar clefts with mandibular symphyseal bone grafts and $\beta$ -tri calcium phosphate ( $\beta$ -TCP). <i>International Journal of Oral and Maxillofacial Surgery</i> , 2010, 39, 424-429.	0.7	42
32	Three Different Strategies to Obtain Porous Calcium Phosphate Cements: Comparison of Performance in a Rat Skull Bone Augmentation Model. <i>Tissue Engineering - Part A</i> , 2012, 18, 1171-1182.	1.6	41
33	Alkaline phosphatase immobilization onto Bio-Gide <sup>®</sup> and Bio-Oss <sup>®</sup> for periodontal and bone regeneration. <i>Journal of Clinical Periodontology</i> , 2012, 39, 546-555.	2.3	40
34	Anterior tooth replacement with implants in grafted alveolar cleft sites: a case series. <i>Clinical Oral Implants Research</i> , 2004, 15, 616-624.	1.9	39
35	An Accuracy Study of Computer-Planned Implant Placement in the Augmented Maxilla Using Mucosa-Supported Surgical Templates. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 1154-1163.	1.6	38
36	Implant stability during osseointegration in irradiated and non-irradiated minipig alveolar bone: an experimental study. <i>Clinical Oral Implants Research</i> , 2008, 19, 201-206.	1.9	36

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37	A clinically relevant validation method for implant placement after virtual planning. <i>Clinical Oral Implants Research</i> , 2013, 24, 1265-1272.	1.9	36
38	Implant Treatment in Patients With Severe Hypodontia: A Retrospective Evaluation. <i>Journal of Oral and Maxillofacial Surgery</i> , 2010, 68, 530-538.	0.5	33
39	Maxillofacial prosthetic rehabilitation: A survey on the quality of life. <i>Journal of Prosthetic Dentistry</i> , 2018, 120, 780-786.	1.1	33
40	Effects of implant geometry, surface properties, and TGF- $\beta$ 1 on peri-implant bone response: an experimental study in goats. <i>Clinical Oral Implants Research</i> , 2009, 20, 421-429.	1.9	32
41	Bone Particles and the Undersized Surgical Technique. <i>Journal of Dental Research</i> , 2010, 89, 581-586.	2.5	32
42	Biological limits of the undersized surgical technique: a study in goats. <i>Clinical Oral Implants Research</i> , 2011, 22, 129-134.	1.9	32
43	Predictive value of ridge dimensions on autologous bone graft resorption in staged maxillary sinus augmentation surgery using Cone-Beam CT. <i>Clinical Oral Implants Research</i> , 2012, 23, 409-415.	1.9	31
44	A novel semi-automatic segmentation protocol for volumetric assessment of alveolar cleft grafting procedures. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 685-689.	0.7	30
45	The potential of the horizontal ramus of the mandible as a donor site for block and particulate grafts in pre-implant surgery. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2009, 38, 1173-1178.	0.7	29
46	The in vivo performance of CaP/PLGA composites with varied PLGA microsphere sizes and inorganic compositions. <i>Acta Biomaterialia</i> , 2013, 9, 7518-7526.	4.1	29
47	Quantitative computed tomography bone mineral density measurements in irradiated and non-irradiated maxillary alveolar bone: an experimental study. <i>Clinical Oral Implants Research</i> , 2008, 19, 465-468.	1.9	28
48	$\beta$ -TCP versus Autologous Bone for Repair of Alveolar Clefts in a Goat Model. <i>Cleft Palate-Craniofacial Journal</i> , 2011, 48, 654-662.	0.5	28
49	Micro-structured Beta-Tricalcium Phosphate for Repair of the Alveolar Cleft in Cleft Lip and Palate Patients: A Pilot Study. <i>Cleft Palate-Craniofacial Journal</i> , 2015, 52, 336-340.	0.5	28
50	Removal of an oral squamous cell carcinoma including parts of osseointegrated implants in the marginal mandibulectomy. A case report. <i>Oral and Maxillofacial Surgery</i> , 2010, 14, 253-256.	0.6	27
51	The effect of a low dose of transforming growth factor $\beta$ 1 (TGF- $\beta$ 1) on the early bone-healing around oral implants inserted in trabecular bone. <i>Biomaterials</i> , 2009, 30, 94-99.	5.7	26
52	Application and Interpretation of Resonance Frequency Analysis in Auditory Osseointegrated Implants. <i>Otology and Neurotology</i> , 2015, 36, 1518-1524.	0.7	26
53	The Influence of Surface Roughness on the Displacement of Osteogenic Bone Particles during Placement of Titanium Screw-Type Implants. <i>Clinical Implant Dentistry and Related Research</i> , 2011, 13, 269-278.	1.6	23
54	Regeneration of the periodontium using enamel matrix derivative in combination with an injectable bone cement. <i>Clinical Oral Investigations</i> , 2013, 17, 411-421.	1.4	23

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55	Interforaminal implant placement in oral cancer patients: during ablative surgery or delayed? A 5-year retrospective study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2013, 42, 651-655.	0.7	23
56	Cervical external root resorption: 3-year follow-up of a case. <i>Journal of Oral Science</i> , 2008, 50, 487-491.	0.7	22
57	A novel implantation model for evaluation of bone healing response to dental implants: the goat iliac crest. <i>Clinical Oral Implants Research</i> , 2010, 21, 414-423.	1.9	22
58	The effect of a single dose of bupivacaine on donor site pain after anterior iliac crest bone harvesting. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2010, 39, 260-265.	0.7	22
59	Osteophilic properties of bone implant surface modifications in a cassette model on a decorticated goat spinal transverse process. <i>Acta Biomaterialia</i> , 2016, 37, 195-205.	4.1	22
60	Postoperative socket irrigation with drinking tap water reduces the risk of inflammatory complications following surgical removal of third molars: a multicenter randomized trial. <i>Clinical Oral Investigations</i> , 2017, 21, 71-83.	1.4	22
61	Immediate implant placement: the fate of the buccal crest. A retrospective cone beam computed tomography study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2017, 46, 1600-1606.	0.7	22
62	Micro-structured calcium phosphate ceramic for donor site repair after harvesting chin bone for grafting alveolar clefts in children. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014, 42, 460-468.	0.7	21
63	Polyactive® as a bone-filler in a beagle dog model. <i>International Journal of Oral and Maxillofacial Surgery</i> , 1996, 25, 210-216.	0.7	20
64	A systematic review on the long-term success of calcium phosphate plasma-spray-coated dental implants. <i>Odontology / the Society of the Nippon Dental University</i> , 2016, 104, 347-356.	0.9	20
65	Tissue engineering of bone. , 2008, , 559-610.		19
66	Assessment of bone vascularity in the anterior mandible using laser Doppler flowmetry. <i>Clinical Oral Implants Research</i> , 2009, 20, 140-144.	1.9	19
67	Comparison of different surface modifications for titanium implants installed into the goat iliac crest. <i>Clinical Oral Implants Research</i> , 2016, 27, e57-67.	1.9	19
68	Maxillary sinus floor augmentation with injectable calcium phosphate cements: a pre-clinical study in sheep. <i>Clinical Oral Implants Research</i> , 2013, 24, 210-216.	1.9	18
69	Long-term survival of calcium phosphate-coated dental implants: a meta-analytical approach to the clinical literature. <i>Clinical Oral Implants Research</i> , 2013, 24, 355-362.	1.9	18
70	Microstructured <sup>125</sup> I-Tricalcium Phosphate Putty versus Autologous Bone for Repair of Alveolar Clefts in a Goat Model. <i>Cleft Palate-Craniofacial Journal</i> , 2017, 54, 699-706.	0.5	18
71	A comparative study of flexible (Polyactive®) versus rigid (hydroxylapatite) permucosal dental implants. I. Clinical aspects. <i>Journal of Oral Rehabilitation</i> , 1997, 24, 85-92.	1.3	18
72	Extra-oral implants: Insertion per- or post-ablation?. <i>Oral Oncology</i> , 2011, 47, 1074-1078.	0.8	17

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73	Accuracy of Assessing the Mandibular Canal on Cone-Beam Computed Tomography: A Validation Study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014, 72, 666-671.	0.5	17
74	Microstructured beta-tricalcium phosphate for alveolar cleft repair: a two-centre study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 708-711.	0.7	17
75	Revisonal surgery following the superiorly based posterior pharyngeal wall flap. Historical perspectives and current considerations. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2009, 38, 1137-1142.	0.7	16
76	Implants in the severely resorbed mandibles: whether or not to augment? What is the clinician's preference?. <i>Oral and Maxillofacial Surgery</i> , 2011, 15, 225-231.	0.6	15
77	Immediate implant placement and provisionalization: Aesthetic outcome 1 year after implant placement. A prospective clinical multicenter study. <i>Clinical Implant Dentistry and Related Research</i> , 2020, 22, 193-200.	1.6	15
78	Vertical bone augmentation and regular implants versus short implants in the vertically deficient posterior mandible: a systematic review and meta-analysis of randomized studies. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021, 50, 1249-1258.	0.7	15
79	Flexible (Polyactive®) versus rigid (hydroxyapatite) dental implants. <i>International Journal of Oral and Maxillofacial Surgery</i> , 1997, 26, 135-140.	0.7	14
80	Accuracy of bone surface size and cortical layer thickness measurements using cone beam computerized tomography. <i>Clinical Oral Implants Research</i> , 2013, 24, 793-797.	1.9	14
81	A prospective evaluation of Frialoc® implants with ball-abutments in the edentulous mandible: 1-year results. <i>Clinical Oral Implants Research</i> , 2004, 15, 167-173.	1.9	13
82	Stability, complications, implant survival, and patient satisfaction after Le Fort I osteotomy and interposed bone grafts: follow-up of 5-18 years. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2015, 44, 97-103.	0.7	13
83	Costs and clinical outcomes of implant placement during ablative surgery and postponed implant placement in curative oral oncology: a five-year retrospective cohort study. <i>Clinical Oral Implants Research</i> , 2017, 28, 1433-1442.	1.9	13
84	Reliability and accuracy of skin-supported surgical templates for computer-planned craniofacial implant placement, a comparison between surgical templates: With and without bony fixation. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019, 47, 977-983.	0.7	13
85	Flaplessly placed 2.4-mm mini-implants for maxillary overdentures: a prospective multicentre clinical cohort study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2020, 49, 384-391.	0.7	13
86	Orthodontic Treatment Results following Grafting Autologous Mandibular Bone to the Alveolar Cleft in Patients with a Complete Unilateral Cleft. <i>Cleft Palate-Craniofacial Journal</i> , 2010, 47, 35-42.	0.5	12
87	An accuracy study of computer-planned implant placement in the augmented maxilla using osteosynthesis screws. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2017, 46, 511-517.	0.7	12
88	Observations of the bone activity adjacent to unloaded dental implants coated with Polyactive® or HA. <i>Journal of Oral Rehabilitation</i> , 1995, 22, 167-174.	1.3	11
89	Provisional flexible denture to assist in undisturbed healing of the reconstructed maxilla. <i>Journal of Prosthetic Dentistry</i> , 2007, 98, 327-328.	1.1	11
90	Maxillary sinus augmentation with microstructured tricalcium phosphate ceramic in sheep. <i>Clinical Oral Implants Research</i> , 2012, 23, 274-280.	1.9	11

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91	A comparative study of flexible (PolyactiveR) versus rigid (hydroxylapatite) permucosal dental implants. II. Histological aspects. <i>Journal of Oral Rehabilitation</i> , 1997, 24, 93-101.	1.3	11
92	“Longitudinal Oral Health” Related Quality of Life in maxillary mini dental implant overdentures after 3 years in function. <i>Clinical Oral Implants Research</i> , 2021, 32, 23-36.	1.9	9
93	Secondary Closure of Small- to Medium-Size Palatal Defects After Ablative Surgery: Reappraisal of Reconstructive Techniques. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014, 72, 2066-2076.	0.5	8
94	Reliability and Accuracy of Cone Beam Computed Tomography Versus Conventional Multidetector Computed Tomography for Image-Guided Craniofacial Implant Planning: An In Vitro Study. <i>International Journal of Oral and Maxillofacial Implants</i> , 2019, 34, 665-672.	0.6	8
95	Does initial buccal crest thickness affect final buccal crest thickness after flapless immediate implant placement and provisionalization: A prospective cone beam computed tomogram cohort study. <i>Clinical Implant Dentistry and Related Research</i> , 2022, 24, 24-33.	1.6	8
96	Intraoral-Extraoral Combination Prosthesis: Improving Retention Using Interconnecting Magnets. <i>International Journal of Prosthodontics</i> , 2014, 27, 279-282.	0.7	7
97	Three-Dimensional Radiographic Outcome of Free-Handed Flaplessly Placed Mini Dental Implants in Edentulous Maxillae after 2-Years Function. <i>Journal of Clinical Medicine</i> , 2020, 9, 2120.	1.0	7
98	The hydroxylapatite“bone interface: 10 years after implant installation. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2008, 37, 768-772.	0.7	6
99	The Association of Clinical and Microbiologic Parameters with Histologic Observations in Relatively Healthy Peri-Implant Conditions” A Preliminary Short-Term In Vivo Study. <i>International Journal of Prosthodontics</i> , 2014, 27, 573-576.	0.7	5
100	Evaluation of the anterior mandibular donor site one year after secondary reconstruction of an alveolar cleft: 3-dimensional analysis using cone-beam computed tomography. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2015, 53, 719-724.	0.4	5
101	A comparative study of flexible (Polyactive®) versus rigid (hydroxylapatite) permucosal dental implants. I. Clinical aspects. <i>Journal of Oral Rehabilitation</i> , 1997, 24, 85-92.	1.3	4
102	The use of intra-osseous versus extra-osseous distraction devices in atrophic mandibles. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2012, 41, 521-526.	0.7	4
103	Autologous versus prosthetic nasal and auricular reconstruction “ patient, professional and layperson perceptions. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2020, 49, 1271-1278.	0.7	4
104	What is the evidence on the added value of implant“supported overdentures? A review. <i>Clinical Implant Dentistry and Related Research</i> , 2021, 23, 644-656.	1.6	4
105	Combined effect of undersized surgical technique and axial compression on the primary implant stability and host bone architecture. <i>Saudi Dental Journal</i> , 2021, 33, 283-291.	0.5	3
106	Fixed partial dentures on two implants: raising comfort in irradiated edentulous patients. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2007, 36, 646-648.	0.7	2
107	Translocation of autogenous bone particles to improve peri-implant osteogenesis. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 6, 519-527.	1.3	2
108	A lower border augmentation technique to allow implant placement after a bilateral mandibular fracture as a complication of vertical distraction osteogenesis: a case report. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2013, 42, 897-900.	0.7	2

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109	Lower border bone onlays to augment the severely atrophic (class VI) mandible in preparation for implants: a preliminary report. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2014, 43, 1493-1499.	0.7	2
110	The use of first stage bone augmentation screws to stabilize the surgical template in the second stage. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2015, 44, 781-784.	0.7	2
111	Does hyperbaric oxygen therapy play a role in the management of osteoradionecrosis? A survey of Dutch oral and maxillofacial surgeons. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021, 50, 273-276.	0.7	1
112	Digital surface scanning in flap perfusion. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021, 50, 38-42.	0.7	1
113	Immediate implant placement in edentulous oral cancer patients: a long-term retrospective analysis of 207 patients. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021, 50, 1521-1528.	0.7	1
114	A comparative study of flexible (Polyactive®) versus rigid (hydroxylapatite) permucosal dental implants. II. Histological aspects. <i>Journal of Oral Rehabilitation</i> , 1997, 24, 93-101.	1.3	0
115	Osseointegration of a Zirconia Implant: A Histologic Assessment. <i>International Journal of Prosthodontics</i> , 2017, 30, 370-372.	0.7	0
116	Verhoging van de geresorbete onderkaak met behulp van distractie-osteogenese. , 2002, , 367-376.		0