

Gert Meijer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115
papers

3,927
citations

32
h-index

59
g-index

117
ext. papers

4,355
ext. citations

4.1
avg, IF

5.12
L-index

#	Paper	IF	Citations
115	3D microenvironment as essential element for osteoinduction by biomaterials. <i>Biomaterials</i> , 2005 , 26, 3565-75	15.6	476
114	Cell-based bone tissue engineering. <i>PLoS Medicine</i> , 2007 , 4, e9	11.6	229
113	Osteogenicity of octacalcium phosphate coatings applied on porous metal implants. <i>Journal of Biomedical Materials Research - Part A</i> , 2003 , 66, 779-88	5.4	186
112	Biological performance of uncoated and octacalcium phosphate-coated Ti6Al4V. <i>Biomaterials</i> , 2005 , 26, 23-36	15.6	182
111	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, 964-71	2.9	158
110	Cell based bone tissue engineering in jaw defects. <i>Biomaterials</i> , 2008 , 29, 3053-61	15.6	158
109	Influence of octacalcium phosphate coating on osteoinductive properties of biomaterials. <i>Journal of Materials Science: Materials in Medicine</i> , 2004 , 15, 373-80	4.5	125
108	Concise review: cell-based strategies in bone tissue engineering and regenerative medicine. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 98-107	6.9	117
107	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, 213-20	4.8	98
106	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	7.9	95
105	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, 327-32	4.8	92
104	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, 834-9	2.9	83
103	Clinical application of human mesenchymal stromal cells for bone tissue engineering. <i>Stem Cells International</i> , 2010 , 2010, 215625	5	68
102	The quantitative assessment of peri-implant bone responses using histomorphometry and micro-computed tomography. <i>Biomaterials</i> , 2009 , 30, 4539-49	15.6	64
101	The effect of platelet-rich plasma in vitro on primary cells: rat osteoblast-like cells and human endothelial cells. <i>Tissue Engineering - Part A</i> , 2010 , 16, 3159-72	3.9	61
100	Bone growth in biomimetic apatite coated porous Polyactive 1000PEG70PBT30 implants. <i>Biomaterials</i> , 2002 , 23, 4649-56	15.6	59
99	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	7.7	57

98	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	7.9	50
97	Evaluation of primary and secondary stability of titanium implants using different surgical techniques. <i>Clinical Oral Implants Research</i> , 2014 , 25, 487-92	4.8	44
96	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, 202-9	4.4	44
95	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, 2158-67	3.6	42
94	Tissue engineering strategies for alveolar cleft reconstruction: a systematic review of the literature. <i>Clinical Oral Investigations</i> , 2014 , 18, 219-26	4.2	40
93	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, 811-7	1.8	39
92	The clinical relevance of bifid and trifid mandibular canals. <i>Oral and Maxillofacial Surgery</i> , 2012 , 16, 147-51	6	38
91	The effect of alkaline phosphatase coated onto titanium alloys on bone responses in rats. <i>Biomaterials</i> , 2009 , 30, 6407-17	15.6	38
90	In vivo bone response and mechanical evaluation of electrospayed CaP nanoparticle coatings using the iliac crest of goats as an implantation model. <i>Acta Biomaterialia</i> , 2010 , 6, 2227-36	10.8	38
89	Complications in alveolar distraction osteogenesis of the atrophic mandible. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2007 , 36, 916-21	2.9	36
88	Ectopic bone formation in bone marrow stem cell seeded calcium phosphate scaffolds as compared to autograft and (cell seeded) allograft. <i>European Cells and Materials</i> , 2007 , 14, 30-8; discussion 39	4.3	35
87	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, 424-9	2.9	34
86	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, 1171-82	3.9	33
85	The influence of a flexible coating on the bone stress around dental implants. <i>Journal of Oral Rehabilitation</i> , 1995 , 22, 105-11	3.4	33
84	Effects of implant geometry, surface properties, and TGF-beta1 on peri-implant bone response: an experimental study in goats. <i>Clinical Oral Implants Research</i> , 2009 , 20, 421-9	4.8	32
83	Implant stability during osseointegration in irradiated and non-irradiated minipig alveolar bone: an experimental study. <i>Clinical Oral Implants Research</i> , 2008 , 19, 201-6	4.8	31
82	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, 343-52	3.9	30
81	Alkaline phosphatase immobilization onto Bio-Gide [®] and Bio-Oss [®] for periodontal and bone regeneration. <i>Journal of Clinical Periodontology</i> , 2012 , 39, 546-55	7.7	30

80	Bone particles and the undersized surgical technique. <i>Journal of Dental Research</i> , 2010 , 89, 581-6	8.1	30
79	A clinically relevant validation method for implant placement after virtual planning. <i>Clinical Oral Implants Research</i> , 2013 , 24, 1265-72	4.8	29
78	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, 1154-63	3.9	27
77	Anterior tooth replacement with implants in grafted alveolar cleft sites: a case series. <i>Clinical Oral Implants Research</i> , 2004 , 15, 616-24	4.8	27
76	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, 409-15	4.8	26
75	Implant treatment in patients with severe hypodontia: a retrospective evaluation. <i>Journal of Oral and Maxillofacial Surgery</i> , 2010 , 68, 530-8	1.8	26
74	Quantitative computed tomography bone mineral density measurements in irradiated and non-irradiated minipig alveolar bone: an experimental study. <i>Clinical Oral Implants Research</i> , 2008 , 19, 465-8	4.8	25
73	Biological limits of the undersized surgical technique: a study in goats. <i>Clinical Oral Implants Research</i> , 2011 , 22, 129-34	4.8	24
72	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, 1173-8	2.9	24
71	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, 253-6	1.6	24
70	The in vivo performance of CaP/PLGA composites with varied PLGA microsphere sizes and inorganic compositions. <i>Acta Biomaterialia</i> , 2013 , 9, 7518-26	10.8	23
69	The effect of a low dose of transforming growth factor beta1 (TGF-beta1) on the early bone-healing around oral implants inserted in trabecular bone. <i>Biomaterials</i> , 2009 , 30, 94-9	15.6	23
68	Application and Interpretation of Resonance Frequency Analysis in Auditory Osseointegrated Implants: A Review of Literature and Establishment of Practical Recommendations. <i>Otology and Neurotology</i> , 2015 , 36, 1518-24	2.6	22
67	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, 336-40	1.9	21
66	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	3.6	20
65	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, 651-5	2.9	20
64	ETCP versus autologous bone for repair of alveolar clefts in a goat model. <i>Cleft Palate-Craniofacial Journal</i> , 2011 , 48, 654-62	1.9	20
63	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, 269-78	3.9	20

62	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, 414-23	4.8	20
61	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, 460-8	3.6	19
60	Polyactive as a bone-filler in a beagle dog model. <i>International Journal of Oral and Maxillofacial Surgery</i> , 1996 , 25, 210-16	2.9	19
59	Regeneration of the periodontium using enamel matrix derivative in combination with an injectable bone cement. <i>Clinical Oral Investigations</i> , 2013 , 17, 411-21	4.2	18
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, 260-5	2.9	18
57	Tissue engineering of bone 2008 , 559-610		18
56	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	3.4	18
55	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	4.2	16
54	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	10.8	16
53	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, 347-56	3.6	15
52	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, 355-62	4.8	15
51	Extra-oral implants: insertion per- or post-ablation?. <i>Oral Oncology</i> , 2011 , 47, 1074-8	4.4	15
50	Assessment of bone vascularity in the anterior mandible using laser Doppler flowmetry. <i>Clinical Oral Implants Research</i> , 2009 , 20, 140-4	4.8	15
49	Cervical external root resorption: 3-year follow-up of a case. <i>Journal of Oral Science</i> , 2008 , 50, 487-91	1.5	15
48	Maxillary sinus floor augmentation with injectable calcium phosphate cements: a pre-clinical study in sheep. <i>Clinical Oral Implants Research</i> , 2013 , 24, 210-6	4.8	14
47	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	2.9	14
46	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	4.8	13
45	Accuracy of assessing the mandibular canal on cone-beam computed tomography: a validation study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014 , 72, 666-71	1.8	12

44	Accuracy of bone surface size and cortical layer thickness measurements using cone beam computerized tomography. <i>Clinical Oral Implants Research</i> , 2013 , 24, 793-7	4.8	12
43	Microstructured β 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	1.9	12
42	Revisional 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, 1137-42	2.9	12
41	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, 225-31	1.6	11
40	Comparison of different surface modifications for titanium implants installed into the goat iliac crest. <i>Clinical Oral Implants Research</i> , 2016 , 27, e57-67	4.8	11
39	Maxillofacial prosthetic rehabilitation: A survey on the quality of life. <i>Journal of Prosthetic Dentistry</i> , 2018 , 120, 780-786	4	11
38	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	2.9	10
37	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	1.9	10
36	Provisional flexible denture to assist in undisturbed healing of the reconstructed maxilla. <i>Journal of Prosthetic Dentistry</i> , 2007 , 98, 327-8	4	10
35	A prospective evaluation of Frialoc implants with ball-abutments in the edentulous mandible: 1-year results. <i>Clinical Oral Implants Research</i> , 2004 , 15, 167-73	4.8	10
34	Flexible (Polyactive) versus rigid (hydroxyapatite) dental implants. <i>International Journal of Oral and Maxillofacial Surgery</i> , 1997 , 26, 135-40	2.9	9
33	Observations of the bone activity adjacent to unloaded dental implants coated with Polyactive or HA. <i>Journal of Oral Rehabilitation</i> , 1995 , 22, 167-74	3.4	9
32	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	3.4	9
31	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	2.9	8
30	Maxillary sinus augmentation with microstructured tricalcium phosphate ceramic in sheep. <i>Clinical Oral Implants Research</i> , 2012 , 23, 274-80	4.8	8
29	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	2.9	8
28	Intraoral-extraoral combination prosthesis: improving retention using interconnecting magnets. <i>International Journal of Prosthodontics</i> , 2014 , 27, 279-82	1.9	7
27	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	2.9	7

26	The hydroxylapatite-bone interface: 10 years after implant installation. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2008 , 37, 768-72	2.9	6
25	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	3.6	5
24	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	2.8	4
23	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	3.9	4
22	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, 2066-76	1.8	4
21	The use of intra-osseous versus extra-osseous distraction devices in atrophic mandibles. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2012 , 41, 521-6	2.9	4
20	A comparative study of flexible (Polyactive [®]) versus rigid (hydroxylapatite) permucosal dental implants. I. Clinical aspects. <i>Journal of Oral Rehabilitation</i> , 2008 , 24, 85-92	3.4	4
19	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, 719-24	1.4	3
18	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, 573-6	1.9	3
17	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, 1493-9	2.9	2
16	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	2.9	2
15	Translocation of autogenous bone particles to improve peri-implant osteogenesis. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012 , 6, 519-27	4.4	2
14	Fixed partial dentures on two implants: raising comfort in irradiated edentulous patients. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2007 , 36, 646-8	2.9	2
13	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,	5.1	2
12	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	3.9	2
11	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	2.5	2
10	"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	4.8	2
9	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, 781-4	2.9	1

8	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	2.9	1
7	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	2.9	1
6	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	2.9	0
5	Osseointegration of a Zirconia Implant: A Histologic Assessment. <i>International Journal of Prosthodontics</i> , 2017 , 30, 370-372	1.9	
4	A comparative study of flexible (Polyactive [®]) versus rigid (hydroxylapatite) permucosal dental implants. II. Histological aspects. <i>Journal of Oral Rehabilitation</i> , 2008 , 24, 93-101	3.4	
3	Verhoging van de geresorbeerde onderkaak met behulp van distractie-osteogenese 2002 , 367-376		
2	Digital surface scanning in flap perfusion. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021 , 50, 38-42	2.9	
1	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	2.9	