

Frank Holzle

List of Publications by Year in Descending Order

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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.

75
papers

584
citations

12
h-index

21
g-index

80
ext. papers

776
ext. citations

2.7
avg, IF

3.76
L-index

#	Paper	IF	Citations
75	Host inflammatory response and clinical parameters around implants in a rat model using systemic alendronate and zoledronate acid drug administrations.. <i>Scientific Reports</i> , 2022 , 12, 4431	4.9	
74	Augmented Reality-Based Surgery on the Human Cadaver Using a New Generation of Optical Head-Mounted Displays: Development and Feasibility Study.. <i>JMIR Serious Games</i> , 2022 , 10, e34781	3.4	0
73	One year of COVID-19 pandemic: a cross sectional study on teaching oral and maxillofacial surgery.. <i>Head & Face Medicine</i> , 2021 , 17, 51	2.4	0
72	Transferring the sandwich principle to instructional videos: is it worth the effort?. <i>BMC Medical Education</i> , 2021 , 21, 525	3.3	0
71	Deciphering the molecular effects of non-ablative Er:YAG laser treatment in an in vitro model of the non-keratinized mucous membrane. <i>Lasers in Medical Science</i> , 2021 , 36, 1117-1121	3.1	2
70	Microstructural volumetric analysis of the jaw following dental implantation under systemic bisphosphonate delivery: An in vivo and ex vivo rat study. <i>Journal of Periodontology</i> , 2021 , 92, 66-75	4.6	1
69	Cross-sectional analysis of spatial distribution and total amount of harvestable calvarian split bone. <i>Annals of Anatomy</i> , 2021 , 234, 151655	2.9	
68	Intraosseous venous malformation in an adolescent: Interdisciplinary concept for facial reconstruction after hemimandibulectomy, fibula free flap, and HDPE-chin reconstruction - 10 years follow up. <i>Oral and Maxillofacial Surgery Cases</i> , 2021 , 7, 100209	0.3	
67	Impact of quality certification of multidisciplinary head and neck tumor centers. <i>Cost Effectiveness and Resource Allocation</i> , 2021 , 19, 20	2.4	1
66	Surgical Management of Facial Fractures in Geriatric Patients. <i>Journal of Craniofacial Surgery</i> , 2021 , 32, 2082-2086	1.2	0
65	Evaluation of the optimal cooling temperature for the face measured by the tissue perfusion during hilotherapy using laser Doppler spectrophotometry. <i>Scientific Reports</i> , 2021 , 11, 9805	4.9	
64	Objective and Subjective Comparisons of Split Thickness Skin Graft and Full Thickness Skin Graft for Radial Forearm Flap Donor Sites Using a New Measuring Method. <i>Journal of Craniofacial Surgery</i> , 2021 , 32, e594-e598	1.2	0
63	Mechanical strength and hydrostatic testing of VIVO adhesive in sutureless microsurgical anastomoses: an ex vivo study. <i>Scientific Reports</i> , 2021 , 11, 13598	4.9	4
62	Implant removal using thermal necrosis-an in vitro pilot study. <i>Clinical Oral Investigations</i> , 2021 , 25, 265-273	4.2	2
61	Effect of drain application on postoperative complaints after surgical removal of impacted wisdom teeth-a randomized observer-blinded split-mouth clinical trial. <i>Clinical Oral Investigations</i> , 2021 , 25, 345-353	4.2	2
60	Quality of life in patients with oral hard or soft tissue defects after reconstructive microsurgery. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2021 , 59, 70-75	1.4	
59	Esthetic outcome after nasal reconstruction with paramedian forehead flap and bilobed flap. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2021 , 74, 740-746	1.7	3

58	Effectiveness of face-to-face, blended and e-learning in teaching the application of local anaesthesia: a randomised study. <i>BMC Medical Education</i> , 2021 , 21, 137	3.3	9
57	Postoperative Morbidity and Complications in Elderly Patients after Harvesting of Iliac Crest Bone Grafts. <i>Medicina (Lithuania)</i> , 2021 , 57,	3.1	1
56	Automated PD-L1 Scoring Using Artificial Intelligence in Head and Neck Squamous Cell Carcinoma. <i>Cancers</i> , 2021 , 13,	6.6	3
55	Navigation of iliac crest graft harvest using markerless augmented reality and cutting guide technology: A pilot study. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021 , e2318	2.9	
54	Molecular effects of photon irradiation and subsequent aftercare treatment with dexpanthenol-containing ointment or liquid in 3D models of human skin and non-keratinized oral mucosa. <i>Experimental Dermatology</i> , 2021 , 30, 745-750	4	0
53	In vivo and in vitro analysis in a rat model using zoledronate and alendronate medication: microbiological and scanning electron microscopy findings on peri-implant rat tissue.. <i>BMC Oral Health</i> , 2021 , 21, 672	3.7	1
52	Ankle Brachial Index Predicts for Difficulties in Performing Microvascular Anastomosis. <i>Journal of Oral and Maxillofacial Surgery</i> , 2020 , 78, 1020-1026	1.8	2
51	Morphological changes of the human face after massive weight-loss due to bariatric surgery. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2020 , 48, 694-699	3.6	0
50	Evaluation of SPECT/CT in the assessment of inflammatory jaw pathologies. <i>European Journal of Radiology</i> , 2020 , 125, 108917	4.7	5
49	Three-dimensional evaluation of important surgical landmarks of the face during aging. <i>Annals of Anatomy</i> , 2020 , 228, 151435	2.9	4
48	A randomized clinical trial on the efficacy of a patient-adapted autonomous exercise regime for patients with head and neck cancer. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2020 , 48, 187-192	3.6	2
47	Relationship between Implant Geometry and Primary Stability in Different Bony Defects and Variant Bone Densities: An In Vitro Study. <i>Materials</i> , 2020 , 13,	3.5	8
46	The Sandwich principle: assessing the didactic effect in lectures on "cleft lips and palates". <i>BMC Medical Education</i> , 2020 , 20, 310	3.3	2
45	Temperature Threshold Values of Bone Necrosis for Thermo-Explantation of Dental Implants-A Systematic Review on Preclinical In Vivo Research. <i>Materials</i> , 2020 , 13,	3.5	5
44	Novel Human Full-Thickness Three-Dimensional Nonkeratinized Mucous Membrane Model for Pharmacological Studies in Wound Healing. <i>Skin Pharmacology and Physiology</i> , 2019 , 32, 265-274	3	7
43	Gender-dependent impact of aging on facial proportions. <i>Journal of Orofacial Orthopedics</i> , 2019 , 80, 165-173	2.9	7
42	Accelerated wound healing with a dexpanthenol-containing ointment after fractional ablative CO laser resurfacing of photo-damaged skin in a randomized prospective clinical trial. <i>Cutaneous and Ocular Toxicology</i> , 2019 , 38, 274-278	1.8	6
41	Accuracy of orthodontic mini-implants placed at the anterior palate by tooth-borne or gingiva-borne guide support: a cadaveric study. <i>Clinical Oral Investigations</i> , 2019 , 23, 4425-4431	4.2	12

40	Hand Perfusion in Patients with Physiological or Pathological Allen's Tests. <i>Journal of Reconstructive Microsurgery</i> , 2019 , 35, 182-188	2.5	7
39	Influence of different surgical concepts for moderate skeletal class II and III treatment on the nasopharyngeal airway space. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019 , 47, 1489-1497	3.6	3
38	Predicting primary stability of orthodontic mini-implants, according to position, screw-size, and bone quality, in the maxilla of aged patients: a cadaveric study. <i>European Journal of Oral Sciences</i> , 2019 , 127, 462-471	2.3	8
37	Experimental peri-implant mucositis around titanium and zirconia implants in comparison to a natural tooth: part 1-host-derived immunological parameters. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019 , 48, 554-559	2.9	8
36	Bone regeneration in rabbit calvarial critical-sized defects filled with composite in situ formed xenogenic dentin and biphasic tricalcium phosphate/hydroxyapatite mixture. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 773-782	3.5	3
35	Distress thermometer for preoperative screening of patients with oral squamous cell carcinoma. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018 , 46, 1111-1116	3.6	4
34	Perioperative safety and complications in treatment of oral and maxillofacial surgery patients under general anesthesia with obstructive sleeping disorders. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018 , 46, 1609-1615	3.6	3
33	Fracture patterns after bilateral sagittal split osteotomy of the mandibular ramus according to the Obwegeser/Dal Pont and Hunsuck/Epker modifications. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017 , 45, 762-767	3.6	14
32	Prospective comparison of perioperative antibiotic management protocols in oncological head and neck surgery. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017 , 45, 1078-1082	3.6	22
31	Evaluation of ultrasonic and conventional surgical techniques for genioplasty combined with two different osteosynthesis plates: a cadaveric study. <i>Clinical Oral Investigations</i> , 2017 , 21, 2437-2444	4.2	5
30	Re: re: Heat generation and drill wear during dental implant site preparation: systematic review. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2017 , 55, 985-986	1.4	2
29	Bone regeneration using composite non-demineralized xenogenic dentin with beta-tricalcium phosphate in experimental alveolar cleft repair in a rabbit model. <i>Journal of Translational Medicine</i> , 2017 , 15, 263	8.5	6
28	A rabbit model for experimental alveolar cleft grafting. <i>Journal of Translational Medicine</i> , 2017 , 15, 50	8.5	10
27	Bone tissue engineering using polyetherketoneketone scaffolds combined with autologous mesenchymal stem cells in a sheep calvarial defect model. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016 , 44, 985-94	3.6	40
26	Effects of non-ablative fractional erbium glass laser treatment on gene regulation in human three-dimensional skin models. <i>Lasers in Medical Science</i> , 2016 , 31, 397-404	3.1	19
25	Eight free flaps in 24 hours: a training concept for postgraduate teaching of how to raise microvascular free flaps. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2016 , 54, 35-9	1.4	2
24	Influence of Connecting Two Standalone Mobile Three-Dimensional Scanners on Accuracy Comparing with a Standard Device in Facial Scanning. <i>Journal of Oral & Maxillofacial Research</i> , 2016 , 7, e4	2.1	9
23	Subtarsal Versus Transconjunctival Approach-Esthetic and Functional Long-Term Experience. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016 , 74, 2230-2238	1.8	6

22	Impairment of an atrophic mandible by preparation of the implant cavity: a biomechanical study. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2016 , 54, 619-24	1.4	5
21	Evaluation of the accuracy of a mobile and a stationary system for three-dimensional facial scanning. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016 , 44, 1719-1724	3.6	53
20	Routine preoperative colour Doppler duplex ultrasound scanning in anterolateral thigh flaps. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2016 , 54, 909-913	1.4	6
19	"IIB or not IIB" - The necessity of dissection in patients with oral squamous cell carcinoma. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016 , 44, 1733-1736	3.6	5
18	Limitations of osseous genioplasty in relation to the displacement distance: a computer-based comparative study. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015 , 120, 670-8	2	8
17	Biomechanical loading test on reconstructed mandibles with fibular, iliac crest or scapula graft: a comparative study. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2015 , 53, 741-7	1.4	15
16	Effect of maxillary advancement on the change in the soft tissues after treatment of patients with class III malocclusion. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2015 , 53, 754-9	1.4	6
15	Three-Dimensional Evaluation of Implant Bed Preparation and the Influence on Primary Implant Stability After Using 2 Different Surgical Techniques. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015 , 73, 1723-32	1.8	14
14	The Volume Behavior of Autogenous Iliac Bone Grafts After Sinus Floor Elevation: A Clinical Pilot Study. <i>Journal of Oral Implantology</i> , 2015 , 41, 276-83	1.2	5
13	Use of aesthetic rhinoplasty procedures in reconstructive nasal surgery. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2015 , 53, 44-8	1.4	3
12	Influence of setback and advancement osseous genioplasty on facial outcome: A computer-simulated study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015 , 43, 2017-25	3.6	7
11	Repairing a non-marginal full-thickness auricular defect using a reversed flap from the postauricular area. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015 , 73, 764-8	1.8	3
10	Locking versus nonlocking plates in mandibular reconstruction with fibular graft--a biomechanical ex vivo study. <i>Clinical Oral Investigations</i> , 2014 , 18, 1291-1298	4.2	17
9	Evaluation of computer-assisted mandibular reconstruction with vascularized iliac crest bone graft compared to conventional surgery: a randomized prospective clinical trial. <i>Trials</i> , 2014 , 15, 114	2.8	74
8	Consideration of effect of the amount of mandibular setback on the submental region in the planning of orthodontic-orthognathic treatment. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2014 , 52, 334-9	1.4	7
7	Can tissue spectrophotometry and laser Doppler flowmetry help to identify patients at risk for wound healing disorders after neck dissection?. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014 , 117, 302-11	2	5
6	Morphometric study of the scapular free flap and the free rib osteomyocutaneous flap. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2014 , 52, 344-9	1.4	3
5	Factors influencing the necessity for preoperative vascular imaging before harvesting a vascularized fibular flap. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014 , 117, 289-92	2	7

4	Computer-assisted zygoma reconstruction with vascularized iliac crest bone graft. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2013 , 9, 497-502	2.9	22
3	Radiologic and facial morphologic long-term results in treatment of orbital floor fracture with flexible absorbable alloplastic material. <i>Journal of Oral and Maxillofacial Surgery</i> , 2012 , 70, 2375-85	1.8	13
2	Computer-assisted mandibular reconstruction with vascularized iliac crest bone graft. <i>Aesthetic Plastic Surgery</i> , 2012 , 36, 653-9	2	45
1	Head and neck squamous cell carcinoma: a potential therapeutic target for the Wnt signaling pathway. <i>European Journal of Plastic Surgery</i> ,	0.6	