

Frank Holzle

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.

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 | 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 |
| 74 | 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 |
| 73 | Computer-assisted mandibular reconstruction with vascularized iliac crest bone graft. <i>Aesthetic Plastic Surgery</i> , 2012 , 36, 653-9 | 2 | 45 |
| 72 | 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 |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | 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 |
| 67 | 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 |
| 66 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | 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 |
| 62 | A rabbit model for experimental alveolar cleft grafting. <i>Journal of Translational Medicine</i> , 2017 , 15, 50 | 8.5 | 10 |
| 61 | 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 |
| 60 | 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 |
| 59 | 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 |

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| 58 | 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | Gender-dependent impact of aging on facial proportions. <i>Journal of Orofacial Orthopedics</i> , 2019 , 80, 165-173 | 2.9 | 7 |
| 53 | Hand Perfusion in Patients with Physiological or Pathological Allen's Tests. <i>Journal of Reconstructive Microsurgery</i> , 2019 , 35, 182-188 | 2.5 | 7 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 | | 7 |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | Evaluation of SPECT/CT in the assessment of inflammatory jaw pathologies. <i>European Journal of Radiology</i> , 2020 , 125, 108917 | 4.7 | 5 |
| 41 | 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 |

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| 40 | 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 |
| 39 | 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 |
| 38 | "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 |
| 37 | Three-dimensional evaluation of important surgical landmarks of the face during aging. <i>Annals of Anatomy</i> , 2020 , 228, 151435 | 2.9 | 4 |
| 36 | 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 |
| 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 | 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 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | Automated PD-L1 Scoring Using Artificial Intelligence in Head and Neck Squamous Cell Carcinoma. <i>Cancers</i> , 2021 , 13, | 6.6 | 3 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |

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| 22 | 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 |
| 21 | 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 |
| 20 | Implant removal using thermal necrosis-an in vitro pilot study. <i>Clinical Oral Investigations</i> , 2021 , 25, 265-273 | 4.2 | 2 |
| 19 | 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 | 4.3 | 2 |
| 18 | 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 |
| 17 | Impact of quality certification of multidisciplinary head and neck tumor centers. <i>Cost Effectiveness and Resource Allocation</i> , 2021 , 19, 20 | 2.4 | 1 |
| 16 | Postoperative Morbidity and Complications in Elderly Patients after Harvesting of Iliac Crest Bone Grafts. <i>Medicina (Lithuania)</i> , 2021 , 57, | 3.1 | 1 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | Transferring the sandwich principle to instructional videos: is it worth the effort?. <i>BMC Medical Education</i> , 2021 , 21, 525 | 3.3 | 0 |
| 11 | Surgical Management of Facial Fractures in Geriatric Patients. <i>Journal of Craniofacial Surgery</i> , 2021 , 32, 2082-2086 | 1.2 | 0 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | Cross-sectional analysis of spatial distribution and total amount of harvestable calvarian split bone. <i>Annals of Anatomy</i> , 2021 , 234, 151655 | 2.9 | |
| 6 | 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 | |
| 5 | Evaluation of the optimal cooling temperature for the face measured by the tissue perfusion during hiloterapy using laser Doppler spectrophotometry. <i>Scientific Reports</i> , 2021 , 11, 9805 | 4.9 | |

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| 4 | 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 |
| 3 | 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 |
| 2 | 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 |
| 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 |