

Frank HÃ¶lzle

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

997
citations

566801

15
h-index

552369

26
g-index

80
all docs

80
docs citations

80
times ranked

1185
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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> , 2022, 18, e2318. | 1.2 | 5 |
| 2 | Impact of secondary tumor-free resection margins in soft tissue on local, regional, and distant recurrence in RO-resected oral squamous cell carcinoma. <i>Head and Neck</i> , 2022, 44, 1172-1181. | 0.9 | 6 |
| 3 | 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. | 1.6 | 1 |
| 4 | Dimensions of perforator flaps on the lower leg depending on localization. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2022, , . | 0.5 | 0 |
| 5 | 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. | 1.7 | 7 |
| 6 | 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. | 1.0 | 5 |
| 7 | 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. | 1.7 | 4 |
| 8 | Implant removal using thermal necrosis—an in vitro pilot study. <i>Clinical Oral Investigations</i> , 2021, 25, 265-273. | 1.4 | 14 |
| 9 | 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. | 1.4 | 7 |
| 10 | 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. | 0.4 | 2 |
| 11 | 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. | 0.5 | 8 |
| 12 | 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. | 1.0 | 30 |
| 13 | Cross-sectional analysis of spatial distribution and total amount of harvestable calvarian split bone. <i>Annals of Anatomy</i> , 2021, 234, 151655. | 1.0 | 1 |
| 14 | 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. | 0.1 | 0 |
| 15 | Impact of quality certification of multidisciplinary head and neck tumor centers. <i>Cost Effectiveness and Resource Allocation</i> , 2021, 19, 20. | 0.6 | 5 |
| 16 | Surgical Management of Facial Fractures in Geriatric Patients. <i>Journal of Craniofacial Surgery</i> , 2021, 32, 2082-2086. | 0.3 | 3 |
| 17 | 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. | 1.6 | 0 |
| 18 | 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. | 0.3 | 6 |

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|----|---|-----|-----------|
| 19 | Mechanical strength and hydrostatic testing of VIVO adhesive in sutureless microsurgical anastomoses: an ex vivo study. <i>Scientific Reports</i> , 2021, 11, 13598. | 1.6 | 9 |
| 20 | Postoperative Morbidity and Complications in Elderly Patients after Harvesting of Iliac Crest Bone Grafts. <i>Medicina (Lithuania)</i> , 2021, 57, 759. | 0.8 | 12 |
| 21 | Automated PD-L1 Scoring Using Artificial Intelligence in Head and Neck Squamous Cell Carcinoma. <i>Cancers</i> , 2021, 13, 4409. | 1.7 | 18 |
| 22 | 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. | 1.4 | 3 |
| 23 | Transferring the sandwich principle to instructional videos: is it worth the effort?. <i>BMC Medical Education</i> , 2021, 21, 525. | 1.0 | 1 |
| 24 | Heat Analysis of Different Devices for Thermo-explantation of Dental Implants: A Numeric Analysis and Preclinical In Vitro Model. <i>Journal of Oral Implantology</i> , 2021, 47, 455-463. | 0.4 | 1 |
| 25 | One year of COVID-19 pandemic: a cross sectional study on teaching oral and maxillofacial surgery. <i>Head & Face Medicine</i> , 2021, 17, 51. | 0.8 | 3 |
| 26 | 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. | 0.8 | 2 |
| 27 | Three-dimensional evaluation of important surgical landmarks of the face during aging. <i>Annals of Anatomy</i> , 2020, 228, 151435. | 1.0 | 12 |
| 28 | 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. | 0.7 | 10 |
| 29 | Relationship between Implant Geometry and Primary Stability in Different Bony Defects and Variant Bone Densities: An In Vitro Study. <i>Materials</i> , 2020, 13, 4349. | 1.3 | 21 |
| 30 | The Sandwich principle: assessing the didactic effect in lectures on cleft lips and palates. <i>BMC Medical Education</i> , 2020, 20, 310. | 1.0 | 5 |
| 31 | 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, 3461. | 1.3 | 20 |
| 32 | Ankle Brachial Index Predicts for Difficulties in Performing Microvascular Anastomosis. <i>Journal of Oral and Maxillofacial Surgery</i> , 2020, 78, 1020-1026. | 0.5 | 3 |
| 33 | 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. | 0.7 | 4 |
| 34 | Evaluation of SPECT/CT in the assessment of inflammatory jaw pathologies. <i>European Journal of Radiology</i> , 2020, 125, 108917. | 1.2 | 8 |
| 35 | Hand Perfusion in Patients with Physiological or Pathological Allen's Tests. <i>Journal of Reconstructive Microsurgery</i> , 2019, 35, 182-188. | 1.0 | 7 |
| 36 | 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. | 0.7 | 8 |

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|----|---|-----|-----------|
| 37 | 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. | 0.7 | 14 |
| 38 | 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. | 1.1 | 8 |
| 39 | Gender-dependent impact of aging on facial proportions. <i>Journal of Orofacial Orthopedics</i> , 2019, 80, 165-173. | 0.5 | 10 |
| 40 | Accelerated wound healing with a dexpanthenol-containing ointment after fractional ablative CO ₂ laser resurfacing of photo-damaged skin in a randomized prospective clinical trial. <i>Cutaneous and Ocular Toxicology</i> , 2019, 38, 274-278. | 0.5 | 15 |
| 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. | 1.4 | 21 |
| 42 | 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. | 0.7 | 11 |
| 43 | Bone regeneration in rabbit calvarial critical-sized defects filled with composite <i>in situ</i> formed xenogenic dentin and biphasic tricalcium phosphate/hydroxyapatite mixture. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 773-782. | 1.6 | 6 |
| 44 | Distress thermometer for preoperative screening of patients with oral squamous cell carcinoma. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018, 46, 1111-1116. | 0.7 | 5 |
| 45 | 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. | 0.7 | 5 |
| 46 | 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. | 0.7 | 27 |
| 47 | 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. | 0.7 | 27 |
| 48 | 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. | 1.4 | 5 |
| 49 | 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. | 0.4 | 2 |
| 50 | A rabbit model for experimental alveolar cleft grafting. <i>Journal of Translational Medicine</i> , 2017, 15, 50. | 1.8 | 13 |
| 51 | 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. | 1.8 | 18 |
| 52 | Subtarsal Versus Transconjunctival Approach – Esthetic and Functional Long-Term Experience. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016, 74, 2230-2238. | 0.5 | 12 |
| 53 | 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, 619-624. | 0.4 | 7 |
| 54 | 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. | 0.7 | 86 |

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|----|---|-----|-----------|
| 55 | Routine preoperative colour Doppler duplex ultrasound scanning in anterolateral thigh flaps. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2016, 54, 909-913. | 0.4 | 9 |
| 56 | “Cell or not cell” The necessity of dissection in patients with oral squamous cell carcinoma. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016, 44, 1733-1736. | 0.7 | 7 |
| 57 | 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, 985-994. | 0.7 | 60 |
| 58 | 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. | 1.0 | 26 |
| 59 | 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, 35-39. | 0.4 | 6 |
| 60 | 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. | 0.3 | 16 |
| 61 | Influence of setback and advancement osseous genioplasty on facial outcome: A computer-simulated study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 2017-2025. | 0.7 | 11 |
| 62 | 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, 764-768. | 0.5 | 11 |
| 63 | 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, 670-678. | 0.2 | 8 |
| 64 | 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, 741-747. | 0.4 | 20 |
| 65 | 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, 754-759. | 0.4 | 8 |
| 66 | 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, 1723-1732. | 0.5 | 15 |
| 67 | The Volume Behavior of Autogenous Iliac Bone Grafts After Sinus Floor Elevation: A Clinical Pilot Study. <i>Journal of Oral Implantology</i> , 2015, 41, 276-283. | 0.4 | 9 |
| 68 | Use of aesthetic rhinoplasty procedures in reconstructive nasal surgery. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2015, 53, 44-48. | 0.4 | 3 |
| 69 | Morphometric study of the scapular free flap and the free rib osteomyocutaneous flap. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2014, 52, 344-349. | 0.4 | 5 |
| 70 | 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, 289-292. | 0.2 | 9 |
| 71 | Locking versus nonlocking plates in mandibular reconstruction with fibular graft—a biomechanical ex vivo study. <i>Clinical Oral Investigations</i> , 2014, 18, 1291-1298. | 1.4 | 25 |
| 72 | 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. | 0.7 | 98 |

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|----|--|-----|-----------|
| 73 | Consideration of effect of the amount of mandibular setback on the submental region in the planning of orthodontic orthognathic treatment. British Journal of Oral and Maxillofacial Surgery, 2014, 52, 334-339. | 0.4 | 9 |
| 74 | Can tissue spectrophotometry and laser Doppler flowmetry help to identify patients at risk for wound healing disorders after neck dissection?. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2014, 117, 302-311. | 0.2 | 6 |
| 75 | Computer-assisted zygoma reconstruction with vascularized iliac crest bone graft. International Journal of Medical Robotics and Computer Assisted Surgery, 2013, 9, 497-502. | 1.2 | 26 |
| 76 | Radiologic and Facial Morphologic Long-Term Results in Treatment of Orbital Floor Fracture With Flexible Absorbable Alloplastic Material. Journal of Oral and Maxillofacial Surgery, 2012, 70, 2375-2385. | 0.5 | 14 |
| 77 | Computer-assisted Mandibular Reconstruction with Vascularized Iliac Crest Bone Graft. Aesthetic Plastic Surgery, 2012, 36, 653-659. | 0.5 | 53 |
| 78 | Head and neck squamous cell carcinoma: a potential therapeutic target for the Wnt signaling pathway. European Journal of Plastic Surgery, 0, , . | 0.3 | 0 |