

Bernd Lethaus

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.

93 papers	1,021 citations	18 h-index	29 g-index
100 ext. papers	1,262 ext. citations	3.1 avg, IF	4.15 L-index

#	Paper	IF	Citations
93	Additive manufacturing for microvascular reconstruction of the mandible in 20 patients. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2012 , 40, 43-6	3.6	89
92	Cranioplasty with customized titanium and PEEK implants in a mechanical stress model. <i>Journal of Neurotrauma</i> , 2012 , 29, 1077-83	5.4	85
91	A treatment algorithm for patients with large skull bone defects and first results. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2011 , 39, 435-40	3.6	59
90	Interval cranioplasty with patient-specific implants and autogenous bone grafts--success and cost analysis. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014 , 42, 1948-51	3.6	57
89	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
88	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
87	Patient-specific implants compared with stored bone grafts for patients with interval cranioplasty. <i>Journal of Craniofacial Surgery</i> , 2014 , 25, 206-9	1.2	35
86	Effect of strontium surface-functionalized implants on early and late osseointegration: A histological, spectrometric and tomographic evaluation. <i>Acta Biomaterialia</i> , 2018 , 69, 385-394	10.8	32
85	The accuracy of computer-assisted primary mandibular reconstruction with vascularized bone flaps: iliac crest bone flap versus osteomyocutaneous fibula flap. <i>Medical Devices: Evidence and Research</i> , 2014 , 7, 211-7	1.5	31
84	Reconstruction of a maxillary defect with a fibula graft and titanium mesh using CAD/CAM techniques. <i>Head & Face Medicine</i> , 2010 , 6, 16	2.4	31
83	Different Culture Media Affect Proliferation, Surface Epitope Expression, and Differentiation of Ovine MSC. <i>Stem Cells International</i> , 2013 , 2013, 387324	5	29
82	The therapeutic effect of patient-specific implants in cranioplasty. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017 , 45, 82-86	3.6	28
81	The role of angiography in the lower extremity using free vascularized fibular transplants for mandibular reconstruction. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2001 , 29, 332-6	3.6	28
80	Guided bone regeneration: dynamic procedures versus static shielding in an animal model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010 , 95, 126-30	3.5	23
79	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
78	Pilot study of modification of the bilateral sagittal split osteotomy (BSSO) in pig mandibles. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2011 , 39, 169-72	3.6	22
77	BMP-2 immobilized on nanocrystalline diamond-coated titanium screws; demonstration of osteoinductive properties in irradiated bone. <i>Head and Neck</i> , 2013 , 35, 235-41	4.2	21

76	Condylar resorption and functional outcome after unilateral sagittal split osteotomy. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2011 , 112, 315-21		21
75	Fluorescent SNAP-tag galectin fusion proteins as novel tools in glycobiology. <i>Current Pharmaceutical Design</i> , 2013 , 19, 5457-67	3.3	18
74	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
73	Volumetric comparison of autogenous bone and tissue-engineered bone replacement materials in alveolar cleft repair: a systematic review and meta-analysis. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2018 , 56, 453-462	1.4	17
72	Influence of a strictly perioperative antibiotic prophylaxis vs a prolonged postoperative prophylaxis on surgical site infections in maxillofacial surgery. <i>Infection</i> , 2018 , 46, 225-230	5.8	14
71	Self-activated mesh device using shape memory alloy for periosteal expansion osteogenesis. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013 , 101, 736-42	3.5	14
70	Comparison of Bone Grafts From Various Donor Sites in Human Bone Specimens. <i>Journal of Craniofacial Surgery</i> , 2018 , 29, 1661-1665	1.2	14
69	The bone-metal interface of defect and press-fit ingrowth of microwave plasma-chemical vapor deposition implants in the rabbit model. <i>Clinical Oral Implants Research</i> , 2005 , 16, 98-104	4.8	12
68	Timed-release system for periosteal expansion osteogenesis using NiTi mesh and absorbable material in the rabbit calvaria. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016 , 44, 1366-72	3.6	12
67	Color duplex ultrasonography versus handheld Doppler to plan anterior lateral thigh flaps. <i>Microsurgery</i> , 2017 , 37, 388-393	2.1	10
66	Virtual reality in preoperative imaging in maxillofacial surgery: implementation of "the next level"?. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2019 , 57, 644-648	1.4	10
65	A rabbit model for experimental alveolar cleft grafting. <i>Journal of Translational Medicine</i> , 2017 , 15, 50	8.5	10
64	Osteoneogenesis due to periosteal elevation with degradable and nondegradable devices in C57BL/6J Mice. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016 , 44, 318-24	3.6	9
63	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
62	The use of mobile 3D scanners in maxillofacial surgery. <i>International Journal of Computerized Dentistry</i> , 2016 , 19, 217-30	4.5	9
61	Elevation of the maxillary sinus membrane for de-novo bone formation: First results of a prospective study in humans. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015 , 43, 1670-7	3.6	7
60	Hand Perfusion in Patients with Physiological or Pathological Allen's Tests. <i>Journal of Reconstructive Microsurgery</i> , 2019 , 35, 182-188	2.5	7
59	Spontaneous transmaxillary-transnasal implant loss: a case report. <i>Implant Dentistry</i> , 2013 , 22, 117-9	2.4	7

58	Autologous, Non-Invasively Available Mesenchymal Stem Cells from the Outer Root Sheath of Hair Follicle Are Obtainable by Migration from Plucked Hair Follicles and Expandable in Scalable Amounts. <i>Cells</i> , 2020 , 9,	7.9	7
57	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
56	Ultrasound-guided fine-needle aspiration cytology as a diagnostic tool in comparison to ultrasound and MRI for staging in oral- and oropharyngeal squamous cell tumors. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016 , 44, 197-201	3.6	6
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	1.4	6
54	Cranioplasty with patient-specific implants in repeatedly reconstructed cases. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019 , 47, 709-714	3.6	6
53	Role of Swallowing Function of Tracheotomised Patients in Major Head and Neck Cancer Surgery. <i>Journal of Craniofacial Surgery</i> , 2018 , 29, e122-e124	1.2	5
52	"Ilb or not Ilb" - 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
51	Donor-site morbidity after harvesting of radial forearm free flaps-comparison of vacuum-assisted closure with conventional wound care: A randomized controlled trial. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019 , 47, 1980-1985	3.6	5
50	"Black bone": the new backbone in CAD/CAM-assisted craniostylosis surgery?. <i>Acta Neurochirurgica</i> , 2021 , 163, 1735-1741	3	5
49	The Middle Part of the Plucked Hair Follicle Outer Root Sheath Is Identified as an Area Rich in Lineage-Specific Stem Cell Markers. <i>Biomolecules</i> , 2021 , 11,	5.9	5
48	Shared Genetic and Epigenetic Mechanisms between the Osteogenic Differentiation of Dental Pulp Stem Cells and Bone Marrow Stem Cells. <i>BioMed Research International</i> , 2021 , 2021, 6697810	3	5
47	Considerations for the Prosthetic Dental Treatment of Geriatric Patients in Germany. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	5
46	Preoperative assessment of the risk of postoperative death in patients with oral squamous cell carcinoma: a consideration beyond age, sex, and stage of cancer. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2018 , 56, 322-326	1.4	4
45	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
44	Combination of Digital and Conventional Workflows in the CAD/CAM-Fabrication of an Implant-Supported Overdenture. <i>Materials</i> , 2020 , 13,	3.5	3
43	Biomechanical competence of six different bone screws for reconstructive surgery in three different transplants: Fibular, iliac crest, scapular and artificial bone. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016 , 44, 689-96	3.6	3
42	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
41	The Angiogenic Potential of Mesenchymal Stem Cells from the Hair Follicle Outer Root Sheath. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3

40	Numerical simulations of different configured venous anastomosis in microvascular flap transfer. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019 , 47, 792-797	3.6	2
39	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
38	Cortical Bone Repositioning Technique for Horizontal Alveolar Bone Augmentation: A Case Series. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2018 , 38, 691-697	2.1	2
37	The protective effect of platelet released growth factors and bone augmentation (Bio-Oss) on ethanol impaired osteoblasts. <i>Annals of Anatomy</i> , 2017 , 214, 36-42	2.9	2
36	Immune Checkpoint Gene Expression Profiling Identifies Programmed Cell Death Ligand-1 Centered Immunologic Subtypes of Oral and Squamous Cell Carcinoma With Favorable Survival.. <i>Frontiers in Medicine</i> , 2021 , 8, 759605	4.9	2
35	Experimental Studies on the Irradiation of Facial Bones in Animals: A Review. <i>International Journal of Otolaryngology and Head & Neck Surgery</i> , 2014 , 03, 113-127	0.2	2
34	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
33	Computer-Aided-Design/Computer-Aided-Manufacturing Titanium Cranioplasty in a Child: Critical Appraisal. <i>Journal of Craniofacial Surgery</i> , 2020 , 31, 237-240	1.2	2
32	Identification of miRNAs as the Crosstalk in the Interaction between Neural Stem/Progenitor Cells and Endothelial Cells. <i>Disease Markers</i> , 2020 , 2020, 6630659	3.2	2
31	Improved access in minimally invasive temporomandibular joint surgery through a novel endaural template. <i>BMC Surgery</i> , 2021 , 21, 93	2.3	2
30	"FlapApp" - contemporary microvascular free flap surveillance. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2019 , 57, 1158-1160	1.4	1
29	Qualitative bone CT as a tool to assess vascularization in irradiated bone: an animal study. <i>Clinical Oral Implants Research</i> , 2013 , 24, 746-9	4.8	1
28	A bilateral cervical swelling and it is not a malignancy. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2012 , 113, e19-21	2	1
27	Pivot technique combined with mandibular backward distraction osteogenesis for the patient with high risk for relapse. <i>Journal of Craniofacial Surgery</i> , 2012 , 23, 658-60	1.2	1
26	Mesenchymal Stem Cells From Mouse Hair Follicles Reduce Hypertrophic Scarring in a Murine Wound Healing Model.. <i>Stem Cell Reviews and Reports</i> , 2022 , 1	7.3	1
25	Impact of COVID-19 on Oral and Maxillofacial Surgery: Preliminary Results After the Curfew. <i>Journal of Craniofacial Surgery</i> , 2021 , 32, e305-e308	1.2	1
24	Flow Chart for Reconstructive Head and Neck Surgery in Composite Soft and Hard Tissue Defects. <i>Journal of Craniofacial Surgery</i> , 2020 , 31, e588-e591	1.2	1
23	Generation of Pigmented Skin Grafts from Human Hair Follicles and Dermal Fibroblasts. <i>Tissue Engineering - Part A</i> , 2021 , 27, 1333-1342	3.9	1

22	Clinical Follow-Up in Orofacial Clefts-Why Multidisciplinary Care Is the Key. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
21	Accuracy of Guided Surgery and Real-Time Navigation in Temporomandibular Joint Replacement Surgery. <i>Dentistry Journal</i> , 2021 , 9,	3.1	1
20	Eyes wide shut: necessity and effect of adjunctive procedures after decompression surgery in patients with endocrine orbitopathy. <i>Head & Face Medicine</i> , 2021 , 17, 41	2.4	1
19	Intraoperative real-time navigation and intraoperative three-dimensional imaging for patient-specific total temporomandibular joint replacement. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021 , 50, 1342-1350	2.9	1
18	CLEANING OF REMOVABLE DENTAL PROSTHESES - A SYSTEMATIC REVIEW.. <i>Journal of Evidence-based Dental Practice</i> , 2021 , 21, 101644	1.9	1
17	Development of a Rapid Analysis Method for Bone Resection Margins for Oral Squamous Cell Carcinoma by Immunoblotting. <i>Head and Neck Pathology</i> , 2018 , 12, 210-220	3.3	0
16	"Crack under pressure"-Inducing life-like mandible fractures as a potential benefit to surgical education in oral and maxillofacial surgery. <i>Annals of Anatomy</i> , 2021 , 151878	2.9	0
15	The ideal auricular protrusion - An interactive perceptual pilot study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2020 , 48, 853-858	3.6	0
14	A Case Report of Oculoglandular Tularemia-Chasing Zebras Among Potential Diagnoses. <i>Journal of Oral and Maxillofacial Surgery</i> , 2021 , 79, 629-636	1.8	0
13	Periosteal expansion osteogenesis using an innovative, shape-memory polyethylene terephthalate membrane: An experimental study in rabbits. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021 , 109, 1327-1333	3.5	0
12	Molecular Subtypes of Oral Squamous Cell Carcinoma Based on Immunosuppression Genes Using a Deep Learning Approach. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 687245	5.7	0
11	No Significant Bone Resorption after Open Treatment of Mandibular Condylar Head Fractures in the Medium-Term. <i>Journal of Clinical Medicine</i> , 2022 , 11, 2868	5.1	0
10	Allgemeine Patientenfaktoren bei der Zahnimplantation. <i>Der MKG-Chirurg</i> , 2016 , 9, 107-115	0.2	
9	Persistent Fistula of the Palate: Cleft Surgery Meets Microsurgery for the Next Rung of the Ladder. <i>Plastic and Reconstructive Surgery</i> , 2021 , 147, 178e-179e	2.7	
8	Standardized Diagnostic Workup and Patient-Centered Decision Making for Surgery and Neck Dissection Followed by Risk-Factor Adapted Adjuvant Therapy Improve Loco-Regional Control in Local Advanced Oral Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2021 , 11, 737080	5.3	
7	Kopf und Hals 2020 , 3-29		
6	Chirurgische Eingriffe 2017 , 295-470		
5	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	

4	Culturing of Melanocytes from the Equine Hair Follicle Outer Root Sheath. <i>Processes</i> , 2021 , 9, 177	2.9
3	Continuous Multidisciplinary Care for Patients With Orofacial Clefts-Should the Follow-up Interval Depend on the Cleft Entity?. <i>Cleft Palate-Craniofacial Journal</i> , 2021 , 10556656211035253	1.9
2	Generation of Epidermal Equivalents from Hair Follicle Melanocytes, Keratinocytes, and Dermal Fibroblasts. <i>Methods in Molecular Biology</i> , 2021 , 2269, 175-201	1.4
1	Accuracy of low-cost alternative facial scanners: a prospective cohort study.. <i>Oral and Maxillofacial Surgery</i> , 2022 , 1	1.6