

Carsten Rendenbach med med dent

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.

36 papers	365 citations	13 h-index	17 g-index
40 ext. papers	574 ext. citations	3.7 avg, IF	3.3 L-index

#	Paper	IF	Citations
36	Histological Processing of CAD/CAM Titanium Scaffold after Long-Term Failure in Cranioplasty.. <i>Materials</i> , 2022 , 15,	3.5	1
35	Patient-Specific 3D-Printed Miniplates for Free Flap Fixation at the Mandible: A Feasibility Study.. <i>Frontiers in Surgery</i> , 2022 , 9, 778371	2.3	1
34	Biomechanical Evaluation of WE43 Magnesium Plates for Mandibular Fracture Fixation.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 803103	5.8	0
33	Epigenetic adaptations of the masticatory mucosa to periodontal inflammation. <i>Clinical Epigenetics</i> , 2021 , 13, 203	7.7	0
32	Removal of patient-specific reconstruction plates after mandible reconstruction with a fibula free flap: is the plate the problem?. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021 ,	2.9	5
31	Biomechanical Assessment of the Validity of Sheep as a Preclinical Model for Testing Mandibular Fracture Fixation Devices. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 672176	5.8	2
30	The multifaceted roles of macrophages in bone regeneration: A story of polarization, activation and time. <i>Acta Biomaterialia</i> , 2021 , 133, 46-57	10.8	15
29	A Novel Method Facilitating the Simple and Low-Cost Preparation of Human Osteochondral Slice Explants for Large-Scale Native Tissue Analysis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
28	Comparison of the Translational Potential of Human Mesenchymal Progenitor Cells from Different Bone Entities for Autologous 3D Bioprinted Bone Grafts. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
27	Improved in vivo osseointegration and degradation behavior of PEO surface-modified WE43 magnesium plates and screws after 6 and 12 months. <i>Materials Science and Engineering C</i> , 2021 , 129, 112380	8.3	5
26	Development of a Deep Learning Algorithm for Periapical Disease Detection in Dental Radiographs. <i>Diagnostics</i> , 2020 , 10,	3.8	25
25	Biomechanical comparison of polylactide-based versus titanium miniplates in mandible reconstruction in vitro. <i>Journal of Stomatology, Oral and Maxillofacial Surgery</i> , 2020 , 121, 377-382	1.7	6
24	Biomechanical comparison of titanium miniplates versus a variety of CAD/CAM plates in mandibular reconstruction. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 111, 104007	4.1	4
23	Oxidative and Nitrosative Stress in Oral Squamous Cell Carcinoma. <i>Cells Tissues Organs</i> , 2020 , 209, 120-127		4
22	Improved In Vitro Test Procedure for Full Assessment of the Cytocompatibility of Degradable Magnesium Based on ISO 10993-5/-12. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	32
21	Complication rates and clinical outcomes of osseous free flaps: a retrospective comparison of CAD/CAM versus conventional fixation in 128 patients. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019 , 48, 1156-1162	2.9	14
20	Evaluation of a novel elastic registration algorithm for spinal imaging data: A pilot clinical study. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2019 , 15, e1991	2.9	4

19	Evaluation of long-term functional donor-site morbidity after deep circumflex iliac crest artery bone flap harvest. <i>Microsurgery</i> , 2019 , 39, 304-309	2.1	6
18	Patient specific glass fiber reinforced composite versus titanium plate: A comparative biomechanical analysis under cyclic dynamic loading. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 91, 212-219	4.1	13
17	Free flap surgery in Europe: an interdisciplinary survey. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2018 , 47, 676-682	2.9	11
16	Functional donor site morbidity longer than one year after fibula free flap: A prospective biomechanical analysis. <i>Microsurgery</i> , 2018 , 38, 395-401	2.1	12
15	Evaluation and reduction of magnetic resonance imaging artefacts induced by distinct plates for osseous fixation: an in vitro study @ 3T. <i>Dentomaxillofacial Radiology</i> , 2018 , 47, 20170361	3.9	11
14	Artefacts in multimodal imaging of titanium, zirconium and binary titanium-zirconium alloy dental implants: an in vitro study. <i>Dentomaxillofacial Radiology</i> , 2017 , 46, 20160267	3.9	30
13	CAD-CAM plates versus conventional fixation plates for primary mandibular reconstruction: A biomechanical in vitro analysis. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017 , 45, 1878-1883	3.6	29
12	Immediate effects of retinoic acid on gene expression in primary murine osteoblasts. <i>Journal of Bone and Mineral Metabolism</i> , 2016 , 34, 161-70	2.9	5
11	Prospective biomechanical analysis of donor-site morbidity after fibula free flap. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016 , 44, 155-9	3.6	17
10	Prospective biomechanical evaluation of donor site morbidity after radial forearm free flap. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2016 , 54, 181-6	1.4	15
9	Long-term biomechanical analysis of donor site morbidity after radial forearm free flap. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015 , 43, 1776-80	3.6	13
8	Increased Postoperative Bleeding Risk among Patients with Local Flap Surgery under Continued Clopidogrel Therapy. <i>BioMed Research International</i> , 2015 , 2015, 120903	3	13
7	Face transplantation: on the verge of becoming clinical routine?. <i>BioMed Research International</i> , 2014 , 2014, 907272	3	15
6	Effects of extracellular phosphate on gene expression in murine osteoblasts. <i>Calcified Tissue International</i> , 2014 , 94, 474-83	3.9	23
5	Bone substitutes enhance osteogenic differentiation of mesenchymal stem cells in three-dimensional scaffolds. <i>In Vivo</i> , 2014 , 28, 733-9	2.3	1
4	Increased Col10a1 expression is not causative for the phenotype of Phex-deficient Hyp mice. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 442, 209-13	3.4	1
3	Retinol deprivation partially rescues the skeletal mineralization defects of Phex-deficient Hyp mice. <i>Bone</i> , 2013 , 53, 231-8	4.7	12
2	Increased expression of transthyretin in leptin-deficient ob/ob mice is not causative for their major phenotypic abnormalities. <i>Journal of Neuroendocrinology</i> , 2013 , 25, 14-22	3.8	4

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Long-term donor-site morbidity after microsurgical fibular graft: is there a difference between the medial approach and the lateral approach?. *Journal of Oral and Maxillofacial Surgery*, **2012**, 70, 2198-204^{1.8} 8