

# Carsten Rendenbach med med dent

## 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.

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	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> , <b>2019</b> , 20,	6.3	32
35	Artefacts in multimodal imaging of titanium, zirconium and binary titanium-zirconium alloy dental implants: an in vitro study. <i>Dentomaxillofacial Radiology</i> , <b>2017</b> , 46, 20160267	3.9	30
34	CAD-CAM plates versus conventional fixation plates for primary mandibular reconstruction: A biomechanical in vitro analysis. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2017</b> , 45, 1878-1883	3.6	29
33	Development of a Deep Learning Algorithm for Periapical Disease Detection in Dental Radiographs. <i>Diagnostics</i> , <b>2020</b> , 10,	3.8	25
32	Effects of extracellular phosphate on gene expression in murine osteoblasts. <i>Calcified Tissue International</i> , <b>2014</b> , 94, 474-83	3.9	23
31	Prospective biomechanical analysis of donor-site morbidity after fibula free flap. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2016</b> , 44, 155-9	3.6	17
30	Prospective biomechanical evaluation of donor site morbidity after radial forearm free flap. <i>British Journal of Oral and Maxillofacial Surgery</i> , <b>2016</b> , 54, 181-6	1.4	15
29	Face transplantation: on the verge of becoming clinical routine?. <i>BioMed Research International</i> , <b>2014</b> , 2014, 907272	3	15
28	The multifaceted roles of macrophages in bone regeneration: A story of polarization, activation and time. <i>Acta Biomaterialia</i> , <b>2021</b> , 133, 46-57	10.8	15
27	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> , <b>2019</b> , 48, 1156-1162	2.9	14
26	Long-term biomechanical analysis of donor site morbidity after radial forearm free flap. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2015</b> , 43, 1776-80	3.6	13
25	Increased Postoperative Bleeding Risk among Patients with Local Flap Surgery under Continued Clopidogrel Therapy. <i>BioMed Research International</i> , <b>2015</b> , 2015, 120903	3	13
24	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> , <b>2019</b> , 91, 212-219	4.1	13
23	Functional donor site morbidity longer than one year after fibula free flap: A prospective biomechanical analysis. <i>Microsurgery</i> , <b>2018</b> , 38, 395-401	2.1	12
22	Retinol deprivation partially rescues the skeletal mineralization defects of Phex-deficient Hyp mice. <i>Bone</i> , <b>2013</b> , 53, 231-8	4.7	12
21	Free flap surgery in Europe: an interdisciplinary survey. <i>International Journal of Oral and Maxillofacial Surgery</i> , <b>2018</b> , 47, 676-682	2.9	11
20	Evaluation and reduction of magnetic resonance imaging artefacts induced by distinct plates for osseous fixation: an in vitro study @ 3T. <i>Dentomaxillofacial Radiology</i> , <b>2018</b> , 47, 20170361	3.9	11

19	Long-term donor-site morbidity after microsurgical fibular graft: is there a difference between the medial approach and the lateral approach?. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2012</b> , 70, 2198-204	1.8	8
18	Biomechanical comparison of polylactide-based versus titanium miniplates in mandible reconstruction in vitro. <i>Journal of Stomatology, Oral and Maxillofacial Surgery</i> , <b>2020</b> , 121, 377-382	1.7	6
17	Evaluation of long-term functional donor-site morbidity after deep circumflex iliac crest artery bone flap harvest. <i>Microsurgery</i> , <b>2019</b> , 39, 304-309	2.1	6
16	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> , <b>2021</b> , 22,	6.3	6
15	Immediate effects of retinoic acid on gene expression in primary murine osteoblasts. <i>Journal of Bone and Mineral Metabolism</i> , <b>2016</b> , 34, 161-70	2.9	5
14	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> , <b>2021</b> ,	2.9	5
13	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> , <b>2021</b> , 129, 112380	8.3	5
12	Increased expression of transthyretin in leptin-deficient ob/ob mice is not causative for their major phenotypic abnormalities. <i>Journal of Neuroendocrinology</i> , <b>2013</b> , 25, 14-22	3.8	4
11	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> , <b>2020</b> , 111, 104007	4.1	4
10	Oxidative and Nitrosative Stress in Oral Squamous Cell Carcinoma. <i>Cells Tissues Organs</i> , <b>2020</b> , 209, 120-127	2.1	4
9	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> , <b>2019</b> , 15, e1991	2.9	4
8	Biomechanical Assessment of the Validity of Sheep as a Preclinical Model for Testing Mandibular Fracture Fixation Devices. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 672176	5.8	2
7	Increased Col10a1 expression is not causative for the phenotype of Phex-deficient Hyp mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 442, 209-13	3.4	1
6	Histological Processing of CAD/CAM Titanium Scaffold after Long-Term Failure in Cranioplasty.. <i>Materials</i> , <b>2022</b> , 15,	3.5	1
5	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> , <b>2021</b> , 22,	6.3	1
4	Bone substitutes enhance osteogenic differentiation of mesenchymal stem cells in three-dimensional scaffolds. <i>In Vivo</i> , <b>2014</b> , 28, 733-9	2.3	1
3	Patient-Specific 3D-Printed Miniplates for Free Flap Fixation at the Mandible: A Feasibility Study.. <i>Frontiers in Surgery</i> , <b>2022</b> , 9, 778371	2.3	1
2	Biomechanical Evaluation of WE43 Magnesium Plates for Mandibular Fracture Fixation.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 803103	5.8	0

- 1 Epigenetic adaptations of the masticatory mucosa to periodontal inflammation. *Clinical Epigenetics*, **2021**, 13, 203 7.7 o