

# Michael Dau

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

493  
citations

759233

12  
h-index

677142

22  
g-index

31  
all docs

31  
docs citations

31  
times ranked

613  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperspectral imaging in perfusion and wound diagnostics – methods and algorithms for the determination of tissue parameters. <i>Biomedizinische Technik</i> , 2018, 63, 547-556.	0.8	125
2	Interleukin-1 Gene Polymorphism, Diabetes, and Periodontitis: Results From the Study of Health in Pomerania (SHIP). <i>Journal of Periodontology</i> , 2008, 79, 501-507.	3.4	34
3	Bone formation in mono cortical mandibular critical size defects after augmentation with two synthetic nanostructured and one xenogenous hydroxyapatite bone substitute – <i>in vivo</i> animal study. <i>Clinical Oral Implants Research</i> , 2016, 27, 597-603.	4.5	27
4	Hyperspectral imaging for monitoring of perfusion failure upon microvascular anastomosis in the rat hind limb. <i>Microvascular Research</i> , 2018, 116, 64-70.	2.5	27
5	Surgical evaluation of panoramic radiography and cone beam computed tomography for therapy planning of bisphosphonate-related osteonecrosis of the jaws. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2016, 121, 419-424.	0.4	24
6	Association Between Glycemia, Serum Lipoproteins, and the Risk of Oral Leukoplakia: The population-based Study of Health in Pomerania (SHIP). <i>Diabetes Care</i> , 2010, 33, 1230-1232.	8.6	23
7	Evaluation of peripheral artery disease with the TIVITA® Tissue hyperspectral imaging camera system. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 73, 3-17.	1.7	23
8	Immobilization of BMP-2, BMP-7 and alendronic acid on titanium surfaces: Adhesion, proliferation and differentiation of bone marrow-derived stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 212-220.	4.0	21
9	Silicon-dioxide-polyvinylpyrrolidone as a wound dressing for skin defects in a murine model. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 99-107.	1.7	20
10	Presurgical evaluation of bony implant sites using panoramic radiography and cone beam computed tomography – influence of medical education. <i>Dentomaxillofacial Radiology</i> , 2017, 46, 20160081.	2.7	19
11	Influence of platelet-derived growth factor on osseous remodeling properties of a variable thread tapered dental implant <i>in vivo</i> . <i>Clinical Oral Implants Research</i> , 2017, 28, 201-206.	4.5	17
12	Devitalizing Effect of High Hydrostatic Pressure on Human Cells – Influence on Cell Death in Osteoblasts and Chondrocytes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3836.	4.1	16
13	Bilateral Postoperative Cyst after Maxillary Sinus Surgery: Report of a Case and Systematic Review of the Literature. <i>Case Reports in Dentistry</i> , 2016, 2016, 1-8.	0.5	13
14	Evaluation of symptomatic maxillary sinus pathologies using panoramic radiography and cone beam computed tomography – influence of professional training. <i>International Journal of Implant Dentistry</i> , 2017, 3, 13.	2.7	12
15	Collagen membranes of dermal and pericardial origin – <i>In vivo</i> evolvement of vascularization over time. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 2368-2378.	4.0	12
16	Sustainable Surface Modification of Polyetheretherketone (PEEK) Implants by Hydroxyapatite/Silica Coating – An <i>In Vivo</i> Animal Study. <i>Materials</i> , 2021, 14, 4589.	2.9	12
17	Influence of needle bevel design on injection pain and needle deformation in dental local infiltration anaesthesia – randomized clinical trial. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2017, 46, 1484-1489.	1.5	11
18	Continuous Electrical Stimulation Affects Initial Growth and Proliferation of Adipose-Derived Stem Cells. <i>Biomedicines</i> , 2020, 8, 482.	3.2	10

#	ARTICLE	IF	CITATIONS
19	Hydrogel-embedded nanocrystalline hydroxyapatite granules (elastic blocks) based on a cross-linked polyvinylpyrrolidone as bone grafting substitute in a rat tibia model. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 7393-7404.	6.7	9
20	A collagen membrane influences bone turnover marker in vivo after bone augmentation with xenogenic bone. <i>Head &amp; Face Medicine</i> , 2020, 16, 35.	2.1	6
21	Mechanical Characterization of Human Trabecular and Formed Granulate Bone Cylinders Processed by High Hydrostatic Pressure. <i>Materials</i> , 2021, 14, 1069.	2.9	6
22	Effect of High Hydrostatic Pressure on Human Trabecular Bone Regarding Cell Death and Matrix Integrity. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 730266.	4.1	6
23	Evaluation of Hyperspectral Imaging for Follow-Up Assessment after Revascularization in Peripheral Artery Disease. <i>Journal of Clinical Medicine</i> , 2022, 11, 758.	2.4	6
24	Unique manifestation of a multifocal adult rhabdomyoma involving the soft palate—case report and review of literature. <i>Journal of Surgical Case Reports</i> , 2019, 2019, rjz116.	0.4	5
25	Orthognathic Surgery for Correction of Skeletal Class III Malocclusion Using Osseointegrated Dental Implants: A Clinical Case Letter. <i>Journal of Oral Implantology</i> , 2020, 46, 146-152.	1.0	3
26	In vivo comparison of a granular and putty form of a sintered and a non-sintered silica-enhanced hydroxyapatite bone substitute material. <i>Journal of Biomaterials Applications</i> , 2020, 34, 864-874.	2.4	2
27	The ability of hyperspectral imaging to detect perfusion disorders. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
28	Elastic Blocks: Hydrogel-Embedded Granules as Bone Grafting Substitutes. <i>Key Engineering Materials</i> , 2014, 631, 414-419.	0.4	1
29	Requirements and Design of an Implant for Electrical Stimulation for Bone Regeneration in Animals. , 2020, , .		1
30	Initial study on removing cellular residues from hydrostatic high-pressure treated allogeneic tissue using ultrasound. <i>Current Directions in Biomedical Engineering</i> , 2020, 6, 176-179.	0.4	0