

Bernhard Frerich

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

2,315
citations

218662

26
h-index

243610

44
g-index

96
all docs

96
docs citations

96
times ranked

2869
citing authors

#	ARTICLE	IF	CITATIONS
1	CT imaging-based approaches to cochlear duct length estimationâ€”a human temporal bone study. <i>European Radiology</i> , 2022, 32, 1014-1023.	4.5	15
2	Lips and noses in 10-year old patients with repaired complete unilateral clefts of lip, alveolus, and palate. A prospective three-centre study of the Baltic Cleft Network. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2022, 50, 246-253.	1.7	3
3	Complications or rather side effects? Quantification of patient satisfaction and complications after orthognathic surgeryâ€”a retrospective, cross-sectional long-term analysis. <i>Clinical Oral Investigations</i> , 2021, 25, 3315-3327.	3.0	17
4	Cobots in maxillofacial surgery â€” challenges for workplace design and the human-machine-interface. <i>Procedia CIRP</i> , 2021, 100, 488-493.	1.9	5
5	Mechanical Characterization of Human Trabecular and Formed Granulate Bone Cylinders Processed by High Hydrostatic Pressure. <i>Materials</i> , 2021, 14, 1069.	2.9	6
6	Establishment and characterization of patient-derived head and neck cancer models from surgical specimens and endoscopic biopsies. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 246.	8.6	8
7	Sustainable Surface Modification of Polyetheretherketone (PEEK) Implants by Hydroxyapatite/Silica Coatingâ€”An In Vivo Animal Study. <i>Materials</i> , 2021, 14, 4589.	2.9	12
8	Prospective clinical implementation of optional implant treatment into pregraduate dental educationâ€”mini implants for retention and support of mandibular overdentures. <i>International Journal of Implant Dentistry</i> , 2021, 7, 87.	2.7	5
9	An optimized 3D-printed perfusion bioreactor for homogeneous cell seeding in bone substitute scaffolds for future chairside applications. <i>Scientific Reports</i> , 2021, 11, 22228.	3.3	16
10	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
11	Continuous Electrical Stimulation Affects Initial Growth and Proliferation of Adipose-Derived Stem Cells. <i>Biomedicines</i> , 2020, 8, 482.	3.2	10
12	Collagen membranes of dermal and pericardial originâ€”In vivo evolvement of vascularization over time. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 2368-2378.	4.0	12
13	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
14	S2kâ€”Leitlinie Basalzellkarzinom der Haut â€” Teil 1: Epidemiologie, Genetik und Diagnostik. <i>JDDG - Journal of the German Society of Dermatology</i> , 2019, 17, 94-104.	0.8	23
15	S2kâ€”Leitlinie Merkelzellkarzinom (MZK, MCC, neuroendokrines Karzinom der Haut) â€” Update 2018. <i>JDDG - Journal of the German Society of Dermatology</i> , 2019, 17, 562-577.	0.8	13
16	S2k guidelines for Merkel cell carcinoma (MCC, neuroendocrine carcinoma of the skin) â€” update 2018. <i>JDDG - Journal of the German Society of Dermatology</i> , 2019, 17, 562-576.	0.8	27
17	Surgical consensus guidelines on sentinel node biopsy (SNB) in patients with oral cancer. <i>Head and Neck</i> , 2019, 41, 2655-2664.	2.0	77
18	S2kâ€”Leitlinie Basalzellkarzinom der Haut â€” Teil 2: Therapie, PrÃ¤vention und Nachsorge. <i>JDDG - Journal of the German Society of Dermatology</i> , 2019, 17, 214-231.	0.8	19

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19	S2k Guidelines for Cutaneous Basal Cell Carcinoma – Part 2: Treatment, Prevention and Follow-up. JDDG - Journal of the German Society of Dermatology, 2019, 17, 214-230.	0.8	57
20	S2k Guidelines for Cutaneous Basal Cell Carcinoma – Part 1: Epidemiology, Genetics and Diagnosis. JDDG - Journal of the German Society of Dermatology, 2019, 17, 94-103.	0.8	44
21	Through the ages – Aetiological changes in maxillofacial trauma. Dental Traumatology, 2019, 35, 115-120.	2.0	19
22	Hyperspectral imaging for monitoring of perfusion failure upon microvascular anastomosis in the rat hind limb. Microvascular Research, 2018, 116, 64-70.	2.5	27
23	Experimental and numerical investigations of fluid flow in bioreactors for optimized in vitro stem cell loading in xenografts. Current Directions in Biomedical Engineering, 2018, 4, 423-427.	0.4	0
24	Subchondral bone sclerosis and cancellous bone loss following OA induction depend on the underlying bone phenotype. Joint Bone Spine, 2017, 84, 71-77.	1.6	8
25	Influence of platelet-derived growth factor on osseous remodeling properties of a variable thread tapered dental implant in vivo. Clinical Oral Implants Research, 2017, 28, 201-206.	4.5	17
26	Evaluation of symptomatic maxillary sinus pathologies using panoramic radiography and cone beam computed tomography – influence of professional training. International Journal of Implant Dentistry, 2017, 3, 13.	2.7	12
27	Semiquantifiable angiogenesis parameters in association with the malignant transformation of oral leukoplakia. Journal of Oral Pathology and Medicine, 2017, 46, 710-716.	2.7	14
28	Silicon-dioxide-polyvinylpyrrolidone as a wound dressing for skin defects in a murine model. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 99-107.	1.7	20
29	Advances toward fully automated in vivo assessment of oral epithelial dysplasia by nuclear endomicroscopy – A pilot study. Journal of Oral Pathology and Medicine, 2017, 46, 911-920.	2.7	2
30	Ist eine komplette Lymphknotendissektion beim malignen Melanom mit positivem Sentinel notwendig?. JDDG - Journal of the German Society of Dermatology, 2017, 15, 1175-1176.	0.8	2
31	MRI-tracking of transplanted human ASC in a SCID mouse model. Journal of Magnetism and Magnetic Materials, 2017, 427, 151-155.	2.3	1
32	Experimental and numerical investigations of fluid flow for optimized in vitro stem cell loading in xenografts. Current Directions in Biomedical Engineering, 2017, 3, 799-802.	0.4	2
33	Guided Bone Regeneration Using Collagen Scaffolds, Growth Factors, and Periodontal Ligament Stem Cells for Treatment of Peri-Implant Bone Defects <i>In Vivo</i> . Stem Cells International, 2017, 2017, 1-9.	2.5	31
34	Enhanced periodontal regeneration using collagen stem cells or growth factors. Frontiers in Bioscience - Scholar, 2017, 9, 180-193.	2.1	7
35	Hydrogel-embedded nanocrystalline hydroxyapatite granules (elastic blocks) based on a cross-linked polyvinylpyrrolidone as bone grafting substitute in a rat tibia model. International Journal of Nanomedicine, 2017, Volume 12, 7393-7404.	6.7	9
36	Bilateral Postoperative Cyst after Maxillary Sinus Surgery: Report of a Case and Systematic Review of the Literature. Case Reports in Dentistry, 2016, 2016, 1-8.	0.5	13

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37	Bone formation in mono cortical mandibular critical size defects after augmentation with two synthetic nanostructured and one xenogenous hydroxyapatite bone substitute â€“ <i>in vivo</i> animal study. <i>Clinical Oral Implants Research</i> , 2016, 27, 597-603.	4.5	27
38	Moving the mandible in orthognathic surgery â€“ A multicenter analysis. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016, 44, 579-583.	1.7	18
39	Clinical parameter of odontoma with special emphasis on treatment of impacted teethâ€”a retrospective multicentre study and literature review. <i>Clinical Oral Investigations</i> , 2016, 20, 1827-1835.	3.0	36
40	Quantification of Osseointegration of Plasma-Polymer Coated Titanium Alloyed Implants by means of Microcomputed Tomography versus Histomorphometry. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	8
41	Implications for the biofunctionalization of drug-eluting devices at the example of a site-selective antibody modification for drug eluting stents. <i>BioNanoMaterials</i> , 2015, 16, .	1.4	1
42	The current state of facial prosthetics â€“ A multicenter analysis. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 1038-1041.	1.7	26
43	Oral surgery during therapy with anticoagulantsâ€”a systematic review. <i>Clinical Oral Investigations</i> , 2015, 19, 171-180.	3.0	48
44	Osseointegrativity of a Specific Streptavidinâ€“Biotinâ€“Fibronectin Surface Coating of Biotinylated Titanium Implants â€“ A Rabbit Animal Study. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, e601-12.	3.7	16
45	Tracking of adipose tissue-derived progenitor cells using two magnetic nanoparticle types. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 380, 34-38.	2.3	5
46	Angiogenesisâ€“related prognosis in patients with oral squamous cell carcinomaâ€”role of the <i>VEGF</i> +936 C/T polymorphism. <i>Journal of Oral Pathology and Medicine</i> , 2015, 44, 429-436.	2.7	14
47	Elastic Blocks: Hydrogel-Embedded Granules as Bone Grafting Substitutes. <i>Key Engineering Materials</i> , 2014, 631, 414-419.	0.4	1
48	Evaluation of Osseointegration of Titanium Alloyed Implants Modified by Plasma Polymerization. <i>International Journal of Molecular Sciences</i> , 2014, 15, 2454-2464.	4.1	26
49	Principles of oral surgery for prevention of bisphosphonate-related osteonecrosis of the jaw. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014, 117, e429-e435.	0.4	58
50	Comparative In Vitro Study on Magnetic Iron Oxide Nanoparticles for MRI Tracking of Adipose Tissue-Derived Progenitor Cells. <i>PLoS ONE</i> , 2014, 9, e108055.	2.5	34
51	High bone mass in the STR/ort mouse results from increased bone formation and impaired bone resorption and is associated with extramedullary hematopoiesis. <i>Journal of Bone and Mineral Metabolism</i> , 2013, 31, 71-81.	2.7	18
52	No influence of simultaneous bone-substitute application on the success of immediately loaded dental implants: a retrospective cohort study. <i>Biomedizinische Technik</i> , 2013, 58, 315-21.	0.8	2
53	Malignes Melanom S3-Leitlinie â€œDiagnostik, Therapie und Nachsorge des Melanomsâ€“, JDDG - Journal of the German Society of Dermatology, 2013, 11, 1-126.	0.8	9
54	S3â€“Guideline â€œDiagnosis, therapy and followâ€“up of melanomaâ€” short version. JDDG - Journal of the German Society of Dermatology, 2013, 11, 563-602.	0.8	63

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55	Ca ²⁺ -deposition in cell matrix correlates significantly with osteocalcin-expression in osteogenic differentiated ATSC: Even in a coculture system with HUVEC. Journal of Oral and Maxillofacial Pathology, 2013, 17, 340.	0.6	2
56	Section plane selection influences the results of histomorphometric studies: the example of dental implants. Biomedizinische Technik, 2012, 57, 365-70.	0.8	10
57	Comparison of Different Fabrication Techniques for Human Adipose Tissue Engineering in Severe Combined Immunodeficient Mice. Artificial Organs, 2012, 36, 227-237.	1.9	28
58	The pro-form of BMP-2 exhibits a delayed and reduced activity when compared to mature BMP-2. Growth Factors, 2011, 29, 63-71.	1.7	14
59	The role of surgical therapy in the management of intravenous bisphosphonates-related osteonecrosis of the jaw. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2011, 111, 153-163.	1.4	138
60	Evaluation of injectable silica-embedded nanohydroxyapatite bone substitute in a rat tibia defect model. International Journal of Nanomedicine, 2011, 6, 1543.	6.7	23
61	Lateral augmentation of the mandible in minipigs with a synthetic nanostructured hydroxyapatite block. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 96B, 342-350.	3.4	15
62	How to Enhance Osseointegration – Roughness, Hydrophilicity or Bioactive Coating. Key Engineering Materials, 2011, 493-494, 467-472.	0.4	2
63	Weichgewebetumoren im Kopf-Hals-Bereich. , 2011, , 123-151.		0
64	Ring-Opening Metathesis Polymerization-Derived Monolithic Materials: Novel Syntheses and Applications. Macromolecular Symposia, 2010, 293, 48-52.	0.7	3
65	Two modifications in the treatment of keratocystic odontogenic tumors (KCOT) and the use of Carnoy's solution (CS) – a retrospective study lasting between 2 and 10 years. Clinical Oral Investigations, 2010, 14, 27-34.	3.0	63
66	Ring-Opening Metathesis Polymerization-Based Synthesis of CaCO ₃ Nanoparticle-Reinforced Polymeric Monoliths for Tissue Engineering. Macromolecular Rapid Communications, 2010, 31, 1540-1545.	3.9	16
67	ROMP-Derived cyclooctene-based monolithic polymeric materials reinforced with inorganic nanoparticles for applications in tissue engineering. Beilstein Journal of Organic Chemistry, 2010, 6, 1199-1205.	2.2	14
68	Spheno-orbital meningiomas: outcome after microsurgical treatment: a clinical review of 30 cases. Neurological Research, 2010, 32, 314-325.	1.3	45
69	Function, postoperative morbidity, and quality of life after cervical sentinel node biopsy and after selective neck dissection. Head and Neck, 2009, 31, 503-512.	2.0	175
70	Toward a multimodal cell analysis of brush biopsies for the early detection of oral cancer. Cancer Cytopathology, 2009, 117, 228-235.	2.4	39
71	Real-time RT-PCR discriminating mRNA encoding osteocalcin from unspecific targets. Analytical and Bioanalytical Chemistry, 2009, 393, 1351-1355.	3.7	3
72	Positron-emission tomography imaging in the diagnosis of bisphosphonate-related osteonecrosis of the jaw. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2009, 107, 412-419.	1.4	62

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73	Reconstructive and Ophthalmologic Outcomes Following Resection of Spheno-Orbital Meningiomas. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2009, 25, 223-226.	0.8	33
74	Dental Stem Cell Patents. <i>Recent Patents on DNA & Gene Sequences</i> , 2009, 3, 39-43.	0.7	8
75	Monolithic Polymers for Cell Cultivation, Differentiation, and Tissue Engineering. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9138-9141.	13.8	33
76	Short German guidelines: Malignant melanoma. <i>JDDG - Journal of the German Society of Dermatology</i> , 2008, 6, S9-S14.	0.8	82
77	Safety and practicability of percutaneous translaryngeal tracheotomy (Fantoni technique) in surgery of maxillofacial and oropharyngeal tumours – Own results and review of the literature. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2008, 36, 38-46.	1.7	4
78	Combination of surgical resection and HDR-brachytherapy in patients with recurrent or advanced head and neck carcinomas. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2008, 36, 285-292.	1.7	37
79	Evidence and interdisciplinary consensus-based German guidelines: surgical treatment and radiotherapy of melanoma. <i>Melanoma Research</i> , 2008, 18, 61-67.	1.2	83
80	Evidence-based and interdisciplinary consensus-based German guidelines: systemic medical treatment of melanoma in the adjuvant and palliative setting. <i>Melanoma Research</i> , 2008, 18, 152-160.	1.2	66
81	Characteristic Quantities of Microvascular Structures in CLSM Volume Datasets. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 1103-1114.	8.9	4
82	Evidence and interdisciplinary consensus-based German guidelines: diagnosis and surveillance of melanoma. <i>Melanoma Research</i> , 2007, 17, 393-399.	1.2	113
83	Sentinel lymph node biopsy in squamous cell carcinomas of the lips and the oral cavity – A single center experience. <i>Journal of Surgical Oncology</i> , 2007, 95, 97-105.	1.7	23
84	Bone engineering with adipose tissue derived stromal cells. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2006, 34, 466-471.	1.7	49
85	The functionally based Leipzig concept for the treatment of patients with cleft lip, alveolus and palate. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2006, 34, 22-25.	1.7	9
86	Microvascular engineering in perfusion culture: immunohistochemistry and CLSM findings. <i>Head & Face Medicine</i> , 2006, 2, 26.	2.1	13
87	Influence of Growth Hormone on Maintenance of Capillary-like Structures in an In Vitro Model of Stromal Vascular Tissue-Results From Morphometric Analysis. <i>Artificial Organs</i> , 2005, 29, 338-341.	1.9	12
88	Critical time of exposure of the rabbit inferior alveolar nerve to Carnoy's solution. <i>Journal of Oral and Maxillofacial Surgery</i> , 1994, 52, 599-606.	1.2	59
89	Fibrin sealing and histometrical changes in conventionally sutured microvascular anastomoses. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 1993, 21, 192-198.	1.7	9
90	Bioactive Coating on Porous Materials with an Interconnected Pore System to Improve Osseointegration. <i>Key Engineering Materials</i> , 0, 493-494, 499-503.	0.4	0