

Benoit Schaller

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,689
citations

361296

20
h-index

330025

37
g-index

74
all docs

74
docs citations

74
times ranked

1845
citing authors

#	ARTICLE	IF	CITATIONS
1	Osteoinductive potential of recombinant BMP-9 in bone defects of mice treated with antiresorptive agents. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2022, 51, 566-575.	0.7	3
2	Osteoclast behaviors on the surface of deproteinized bovine bone mineral and carbonate apatite substitutes in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, , .	2.1	3
3	Histological comparison of Platelet rich fibrin clots prepared by fixed-angle versus horizontal centrifugation. <i>Platelets</i> , 2021, 32, 413-419.	1.1	41
4	Biological characterization of an injectable platelet-rich fibrin mixture consisting of autologous albumin gel and liquid platelet-rich fibrin (Alb-PRF). <i>Platelets</i> , 2021, 32, 74-81.	1.1	56
5	The impact of the size of bone substitute granules on macrophage and osteoblast behaviors in vitro. <i>Clinical Oral Investigations</i> , 2021, 25, 4949-4958.	1.4	17
6	Perioperative predictors of early surgical revision and flap-related complications after microvascular free tissue transfer in head and neck reconstructions: a retrospective observational series. <i>Clinical Oral Investigations</i> , 2021, 25, 5541-5550.	1.4	12
7	The application of platelet rich fibrin in patients presenting with osteonecrosis of the jaw: A systematic literature review. <i>Advances in Oral and Maxillofacial Surgery</i> , 2021, 2, 100076.	0.1	1
8	Impact of Cross-Linking of Collagen Matrices on Tissue Regeneration in a Rabbit Calvarial Bone Defect. <i>Materials</i> , 2021, 14, 3740.	1.3	0
9	Survival of dental implants and occurrence of osteoradionecrosis in irradiated head and neck cancer patients: a systematic review and meta-analysis. <i>Clinical Oral Investigations</i> , 2021, 25, 5579-5593.	1.4	25
10	In Vivo Efficacy of Neutrophil-Mediated Bone Regeneration Using a Rabbit Calvarial Defect Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13016.	1.8	10
11	Proposed Prediction Model and Nomogram for Systemic Complications in Patients Undergoing Free Flap Head and Neck Reconstruction. <i>Frontiers in Surgery</i> , 2021, 8, 771282.	0.6	1
12	Single- vs staged implant placement using the bone ring technique with and without membrane placement: Micro-CT analysis in a preclinical in vivo study. <i>Clinical Oral Implants Research</i> , 2020, 31, 29-36.	1.9	9
13	Cytotoxicity and Gene Expression Changes of a Novel Homeopathic Antiseptic Oral Rinse in Comparison to Chlorhexidine in Gingival Fibroblasts. <i>Materials</i> , 2020, 13, 3190.	1.3	7
14	Violence as the Most Frequent Cause of Oral and Maxillofacial Injuries among the Patients from Low- and Middle-Income Countries – A Retrospective Study at a Level I Trauma University Emergency Department in Switzerland. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4906.	1.2	4
15	Improved growth factor delivery and cellular activity using concentrated platelet-rich fibrin (C-PRF) when compared with traditional injectable (i-PRF) protocols. <i>Clinical Oral Investigations</i> , 2020, 24, 4373-4383.	1.4	43
16	Clinical results of two different three-dimensional titanium plates in the treatment of condylar neck and base fractures: A retrospective study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2020, 48, 756-764.	0.7	6
17	In Vitro Comparison of Macrophage Polarization and Osteoblast Differentiation Potentials between Granules and Block Forms of Deproteinized Bovine Bone Mineral. <i>Materials</i> , 2020, 13, 2682.	1.3	4
18	Use of platelet-rich fibrin for the treatment of gingival recessions: a systematic review and meta-analysis. <i>Clinical Oral Investigations</i> , 2020, 24, 2543-2557.	1.4	49

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19	In vitro observation of macrophage polarization and gingival fibroblast behavior on three-dimensional xenogeneic collagen matrixes. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 1408-1418.	2.1	6
20	Effects of additional collagen in biphasic calcium phosphates: a study in a rabbit calvaria. <i>Clinical Oral Investigations</i> , 2020, 24, 3093-3103.	1.4	13
21	Risk of Osteonecrosis of the Jaw Under Denosumab Compared to Bisphosphonates in Patients With Osteoporosis. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 340-348.	3.1	48
22	Changing trends in epidemiology and management of facial trauma in a Swiss geriatric population. <i>Gerodontology</i> , 2019, 36, 358-364.	0.8	20
23	Anaesthetic and Perioperative Management of 14 Male New Zealand White Rabbits for Calvarial Bone Surgery. <i>Animals</i> , 2019, 9, 896.	1.0	7
24	Prevalence of Peri-Implantitis in Implants with Turned and Rough Surfaces: a Systematic Review. <i>Journal of Oral & Maxillofacial Research</i> , 2019, 10, e1.	0.3	21
25	Effect of enamel matrix derivative liquid in combination with a natural bone mineral on new bone formation in a rabbit GBR model. <i>Clinical Oral Implants Research</i> , 2019, 30, 542-549.	1.9	8
26	Comparative evaluation of SPECT/CT and CBCT in patients with mandibular osteomyelitis and osteonecrosis. <i>Clinical Oral Investigations</i> , 2019, 23, 4213-4222.	1.4	14
27	Characteristics, treatment and outcome of bleeding after tooth extraction in patients on DOAC and phenprocoumon compared to non-anticoagulated patients—a retrospective study of emergency department consultations. <i>Clinical Oral Investigations</i> , 2019, 23, 2273-2278.	1.4	9
28	Superior bone-inducing potential of rhBMP9 compared to rhBMP2. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1561-1574.	2.1	19
29	Fracture Healing and Bone Remodeling With Human Standard-Sized Magnesium Versus Polylactide-Co-Glycolide Plate and Screw Systems Using a Mini-Swine Craniomaxillofacial Osteotomy Fixation Model. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018, 76, 2138-2150.	0.5	30
30	Single-staged implant placement using bone ring technique with and without membrane placement: An experimental study in the Beagle dog. <i>Clinical Oral Implants Research</i> , 2018, 29, 263-276.	1.9	11
31	Temporomandibular joint dislocation: a retrospective study from a Swiss urban emergency department. <i>Open Access Emergency Medicine</i> , 2018, Volume 10, 171-176.	0.6	6
32	Recombinant human BMP9 (RhBMP9) in comparison with rhBMP2 for ridge augmentation following tooth extraction: An experimental study in the Beagle dog. <i>Clinical Oral Implants Research</i> , 2018, 29, 1050-1059.	1.9	15
33	Osteogenic potential of rhBMP9 combined with a bovine-derived natural bone mineral scaffold compared to rhBMP2. <i>Clinical Oral Implants Research</i> , 2017, 28, 381-387.	1.9	40
34	Single-staged vs. two-staged implant placement in vertically deficient alveolar ridges using bone ring technique —Part 2: implant osseointegration. <i>Clinical Oral Implants Research</i> , 2017, 28, e31-e38.	1.9	12
35	Stereographic measurement of orbital volume, a digital reproducible evaluation method. <i>British Journal of Ophthalmology</i> , 2017, 101, 1431-1435.	2.1	18
36	Insight into cytotoxicity of Mg nanocomposites using MTT assay technique. <i>Materials Science and Engineering C</i> , 2017, 78, 647-652.	3.8	38

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37	Guided bone regeneration with recombinant human bone morphogenetic protein 9 loaded on either deproteinized bovine bone mineral or a collagen barrier membrane. <i>Clinical Implant Dentistry and Related Research</i> , 2017, 19, 600-607.	1.6	21
38	In vitro evaluation of an injectable biphasic calcium phosphate (BCP) carrier system combined with recombinant human bone morphogenetic protein (rhBMP)-9. <i>Bio-Medical Materials and Engineering</i> , 2017, 28, 293-304.	0.4	6
39	Effect of recombinant human bone morphogenetic protein 9 (rhBMP9) loaded onto bone grafts versus barrier membranes on new bone formation in a rabbit calvarial defect model. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2655-2661.	2.1	22
40	Effects of platelet rich plasma (PRP) on human gingival fibroblast, osteoblast and periodontal ligament cell behaviour. <i>BMC Oral Health</i> , 2017, 17, 91.	0.8	24
41	Osteosynthesis of partial rib osteotomy in a miniature pig model using human standard-sized magnesium plate/screw systems: Effect of cyclic deformation on implant integrity and bone healing. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 862-871.	0.7	20
42	Periosteal distraction osteogenesis versus immediate periosteal elevation in a rat model: Histological and micro-CT analysis. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 620-627.	0.7	7
43	Absorbable collagen sponges loaded with recombinant bone morphogenetic protein 9 induces greater osteoblast differentiation when compared to bone morphogenetic protein 2. <i>Clinical and Experimental Dental Research</i> , 2017, 3, 32-40.	0.8	19
44	In vitro effects of 0 to 120 Grays of irradiation on bone viability and release of growth factors. <i>BMC Oral Health</i> , 2017, 17, 4.	0.8	3
45	Recombinant human bone morphogenetic protein (rhBMP)9 induces osteoblast differentiation when combined with demineralized freeze-dried bone allografts (DFDBAs) or biphasic calcium phosphate (BCP). <i>Clinical Oral Investigations</i> , 2017, 21, 1883-1893.	1.4	10
46	An in vitro study of fibrin sealant as a carrier system for recombinant human bone morphogenetic protein (rhBMP)-9 for bone tissue engineering. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 27-32.	0.7	10
47	Growth factor delivery of BMP9 using a novel natural bovine bone graft with integrated atelo-collagen type I: Biosynthesis, characterization, and cell behavior. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 408-418.	2.1	22
48	Effects of collagen membrane application and cortical bone perforation on de novo bone formation in periosteal distraction: an experimental study in a rabbit calvaria. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2017, 123, 173-182.	0.2	7
49	Mandibular Fractures Admitted to the Emergency Department: Data Analysis from a Swiss Level One Trauma Centre. <i>Emergency Medicine International</i> , 2016, 2016, 1-7.	0.3	11
50	Hyaluronic Acid Gel-Based Scaffolds as Potential Carrier for Growth Factors: An In Vitro Bioassay on Its Osteogenic Potential. <i>Journal of Clinical Medicine</i> , 2016, 5, 112.	1.0	18
51	Single-staged vs. two-staged implant placement using bone ring technique in vertically deficient alveolar ridges – Part 1: histomorphometric and micro-CT analysis. <i>Clinical Oral Implants Research</i> , 2016, 27, 1384-1391.	1.9	20
52	In vivo degradation of a new concept of magnesium-based rivet-screws in the minipig mandibular bone. <i>Materials Science and Engineering C</i> , 2016, 69, 247-254.	3.8	36
53	Severity and pattern of injuries caused by the traditional Swiss team sport "Hornussen": first retrospective study at a level I trauma centre in Switzerland. <i>BMJ Open Sport and Exercise Medicine</i> , 2016, 2, e000122.	1.4	2
54	New approach for virtual surgical planning and mandibular reconstruction using a fibula free flap. <i>Oral Oncology</i> , 2016, 59, e6-e9.	0.8	31

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55	Comparative release of growth factors from PRP, PRF, and advanced-PRF. <i>Clinical Oral Investigations</i> , 2016, 20, 2353-2360.	1.4	448
56	Recombinant Human Bone Morphogenetic Protein 9 (rhBMP9) Induced Osteoblastic Behavior on a Collagen Membrane Compared With rhBMP2. <i>Journal of Periodontology</i> , 2016, 87, e101-e107.	1.7	35
57	InÂvivo degradation of magnesium plate/screw osteosynthesis implant systems: Soft and hard tissue response in a calvarial model in miniature pigs. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016, 44, 309-317.	0.7	61
58	Effects of Antiseptic Solutions Commonly Used in Dentistry on Bone Viability, Bone Morphology, and Release of Growth Factors. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016, 74, 247-254.	0.5	15
59	Bone-Conditioned Medium Inhibits Osteogenic and Adipogenic Differentiation of Mesenchymal Cells In Vitro. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 938-949.	1.6	24
60	Human bone chips release of sclerostin and $\text{FGF}\beta$ into the culture medium: an <i>in vitro</i> pilot study. <i>Clinical Oral Implants Research</i> , 2015, 26, 1211-1214.	1.9	16
61	Antiseptic solutions modulate the paracrine-like activity of bone chips: differential impact of chlorhexidine and sodium hypochlorite. <i>Journal of Clinical Periodontology</i> , 2015, 42, 883-891.	2.3	14
62	Biomechanical evaluation of different angle-stable locking plate systems for mandibular surgery. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 1589-1594.	0.7	5
63	The role of postoperative prophylactic antibiotics in the treatment of facial fractures: a randomised, double-blind, placebo-controlled pilot clinical study. Part 3: Le Fort and zygomatic fractures in 94 patients. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2014, 52, 329-333.	0.4	40
64	In Vitro Cell Viability Tests on a Composite Graft Containing Alpha Tricalcium Phosphate, Chondroitin Sulfate and Disodium Succinate. <i>Journal of Hard Tissue Biology</i> , 2014, 23, 287-294.	0.2	0
65	Relative Contributions of Osteogenic Tissues to New Bone Formation in Periosteal Distraction Osteogenesis: Histological and Histo-morphometrical Evaluation in a Rat Calvaria. <i>Clinical Implant Dentistry and Related Research</i> , 2013, 15, 692-706.	1.6	14
66	Analysis of New Bone Formation Induced by Periosteal Distraction in a Rat Calvarium Model. <i>Clinical Implant Dentistry and Related Research</i> , 2013, 15, 283-291.	1.6	17
67	The role of postoperative prophylactic antibiotics in the treatment of facial fractures: a randomized, double-blind, placebo-controlled pilot clinical study. Part 2: mandibular fractures in 59 patients. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2013, 51, 803-807.	0.4	47
68	Periosteal Distraction Osteogenesis and Barrier Membrane Application: An Experimental Study in the Rat Calvaria. <i>Journal of Periodontology</i> , 2012, 83, 757-765.	1.7	16
69	Occurrence, types and severity of associated injuries of paediatric patients with fractures of the frontal skull base. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2012, 40, e218-e221.	0.7	7
70	Repair of Orbital Floor Fractures Using Bioresorbable Poly-L/DL-Lactide Plates. <i>Archives of Facial Plastic Surgery</i> , 2010, 12, 399-404.	0.8	11