

# Benjamin Salmon

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,803  
citations

279798

23  
h-index

289244

40  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2191  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cone beam computed tomography in implant dentistry: recommendations for clinical use. <i>BMC Oral Health</i> , 2018, 18, 88.	2.3	241
2	Cone-beam CT in paediatric dentistry: DIMITRA project position statement. <i>Pediatric Radiology</i> , 2018, 48, 308-316.	2.0	174
3	Priming Dental Pulp Stem Cells With Fibroblast Growth Factor-2 Increases Angiogenesis of Implanted Tissue-Engineered Constructs Through Hepatocyte Growth Factor and Vascular Endothelial Growth Factor Secretion. <i>Stem Cells Translational Medicine</i> , 2016, 5, 392-404.	3.3	88
4	Environmental levels of oestrogenic and antiandrogenic compounds feminize digit ratios in male rats and their unexposed male progeny. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131532.	2.6	76
5	Effects of Condensation on Peri-implant Bone Density and Remodeling. <i>Journal of Dental Research</i> , 2017, 96, 413-420.	5.2	68
6	MEPE-Derived ASARM Peptide Inhibits Odontogenic Differentiation of Dental Pulp Stem Cells and Impairs Mineralization in Tooth Models of X-Linked Hypophosphatemia. <i>PLoS ONE</i> , 2013, 8, e56749.	2.5	61
7	Relationships among Bone Quality, Implant Osseointegration, and Wnt Signaling. <i>Journal of Dental Research</i> , 2017, 96, 822-831.	5.2	55
8	Claudin-16 Deficiency Impairs Tight Junction Function in Ameloblasts, Leading to Abnormal Enamel Formation. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 498-513.	2.8	50
9	Intraoral ultrasonography: development of a specific high-frequency probe and clinical pilot study. <i>Clinical Oral Investigations</i> , 2012, 16, 643-649.	3.0	49
10	Halve the dose while maintaining image quality in paediatric Cone Beam CT. <i>Scientific Reports</i> , 2019, 9, 5521.	3.3	48
11	An osteopenic/osteoporotic phenotype delays alveolar bone repair. <i>Bone</i> , 2018, 112, 212-219.	2.9	47
12	Wnt Signaling and Its Contribution to Craniofacial Tissue Homeostasis. <i>Journal of Dental Research</i> , 2015, 94, 1487-1494.	5.2	45
13	Reengineering autologous bone grafts with the stem cell activator WNT3A. <i>Biomaterials</i> , 2015, 47, 29-40.	11.4	43
14	Abnormal osteopontin and matrix extracellular phosphoglycoprotein localization, and odontoblast differentiation, in X-linked hypophosphatemic teeth. <i>Connective Tissue Research</i> , 2014, 55, 79-82.	2.3	38
15	Irradiation provided by dental radiological procedures in a pediatric population. <i>European Journal of Radiology</i> , 2018, 103, 112-117.	2.6	37
16	Accuracy and reliability of different cone beam computed tomography (CBCT) devices for structural analysis of alveolar bone in comparison with multislice CT and micro-CT. <i>European Journal of Oral Implantology</i> , 2017, 10, 95-105.	1.2	37
17	Abnormal Presence of the Matrix Extracellular Phosphoglycoprotein-Derived Acidic Serine- and Aspartate-Rich Motif Peptide in Human Hypophosphatemic Dentin. <i>American Journal of Pathology</i> , 2010, 177, 803-812.	3.8	36
18	Estimation of the radiation dose for pediatric CBCT indications: a prospective study on ProMax3D. <i>International Journal of Paediatric Dentistry</i> , 2018, 28, 300-309.	1.8	34

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19	Metallic materials in the exomass impair cone beam CT voxel values. <i>Dentomaxillofacial Radiology</i> , 2018, 47, 20180011.	2.7	32
20	ALADAIP, beyond ALARA and towards personalized optimization for paediatric cone beam CT. <i>International Journal of Paediatric Dentistry</i> , 2021, 31, 676-678.	1.8	32
21	Prevalence and risk indicators of first-wave COVID-19 among oral health-care workers: A French epidemiological survey. <i>PLoS ONE</i> , 2021, 16, e0246586.	2.5	31
22	Implanted Dental Pulp Cells Fail to Induce Regeneration in Partial Pulpotomies. <i>Journal of Dental Research</i> , 2017, 96, 1406-1413.	5.2	30
23	Grape seed extracts inhibit dentin matrix degradation by MMP-3. <i>Frontiers in Physiology</i> , 2014, 5, 425.	2.8	26
24	Aberrantly elevated Wnt signaling is responsible for cementum overgrowth and dental ankylosis. <i>Bone</i> , 2019, 122, 176-183.	2.9	26
25	DIMITRA paediatric skull phantoms: development of age-specific paediatric models for dentomaxillofacial radiology research. <i>Dentomaxillofacial Radiology</i> , 2018, 47, 20170285.	2.7	22
26	From restoration to regeneration: periodontal aging and opportunities for therapeutic intervention. <i>Periodontology 2000</i> , 2016, 72, 19-29.	13.4	21
27	Differentiating early stage florid osseous dysplasia from periapical endodontic lesions: a radiological-based diagnostic algorithm. <i>BMC Oral Health</i> , 2017, 17, 161.	2.3	21
28	Claudin Loss-of-Function Disrupts Tight Junctions and Impairs Amelogenesis. <i>Frontiers in Physiology</i> , 2017, 8, 326.	2.8	20
29	Are metal artefact reduction algorithms effective to correct cone beam CT artefacts arising from the exomass?. <i>Dentomaxillofacial Radiology</i> , 2019, 48, 20180290.	2.7	20
30	Disrupting the intrinsic growth potential of a suture contributes to midfacial hypoplasia. <i>Bone</i> , 2015, 81, 186-195.	2.9	18
31	A WNT protein therapeutic improves the bone-forming capacity of autografts from aged animals. <i>Scientific Reports</i> , 2018, 8, 119.	3.3	18
32	A Novel Osteotomy Preparation Technique to Preserve Implant Site Viability and Enhance Osteogenesis. <i>Journal of Clinical Medicine</i> , 2019, 8, 170.	2.4	18
33	Distribution of metal artifacts arising from the exomass in small field-of-view cone beam computed tomography scans. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2020, 130, 116-125.	0.4	17
34	Strategies for treating an impacted maxillary central incisor. <i>International Orthodontics</i> , 2010, 8, 152-176.	1.9	16
35	Root resorption and ensuing cementum repair by Wnt/ $\beta$ -catenin dependent mechanism. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2020, 158, 16-27.	1.7	16
36	Characteristics of Large Animal Models for Current Cell-Based Oral Tissue Regeneration. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 489-505.	4.8	16

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37	Validation of a 3D CBCT-based protocol for the follow-up of mandibular condyle remodeling. <i>Dentomaxillofacial Radiology</i> , 2020, 49, 20190364.	2.7	15
38	Effect of platelet-rich plasma on peri-implant trabecular bone volume and architecture: A preclinical micro-CT study in beagle dogs. <i>Clinical Oral Implants Research</i> , 2019, 30, 1190-1199.	4.5	14
39	Development of Enthesopathies and Joint Structural Damage in a Murine Model of X-Linked Hypophosphatemia. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 854.	3.7	14
40	Quantification of DNA Double Strand Breaks and Oxidation Response in Children and Adults Undergoing Dental CBCT Scan. <i>Scientific Reports</i> , 2020, 10, 2113.	3.3	14
41	A novel system exploits bone debris for implant osseointegration. <i>Journal of Periodontology</i> , 2021, 92, 716-726.	3.4	12
42	Low-dose radiations derived from cone-beam CT induce transient DNA damage and persistent inflammatory reactions in stem cells from deciduous teeth. <i>Dentomaxillofacial Radiology</i> , 2019, 48, 20170462.	2.7	10
43	Radiobiological risks following dentomaxillofacial imaging: should we be concerned?. <i>Dentomaxillofacial Radiology</i> , 2021, 50, 20210153.	2.7	10
44	A Non-Destructive Method for Distinguishing Reindeer Antler ( <i>Rangifer tarandus</i> ) from Red Deer Antler ( <i>Cervus elaphus</i> ) Using X-Ray Micro-Tomography Coupled with SVM Classifiers. <i>PLoS ONE</i> , 2016, 11, e0149658.	2.5	8
45	WNT-activated bone grafts repair osteonecrotic lesions in aged animals. <i>Scientific Reports</i> , 2017, 7, 14254.	3.3	8
46	Voxel-based superimposition of Cone Beam CT scans for orthodontic and craniofacial follow-up: Overview and clinical implementation. <i>International Orthodontics</i> , 2020, 18, 739-748.	1.9	8
47	In vitro Assessment of the DNA Damage Response in Dental Mesenchymal Stromal Cells Following Low Dose X-ray Exposure. <i>Frontiers in Public Health</i> , 2021, 9, 584484.	2.7	8
48	Cone beam CT optimisation for detection of vertical root fracture with metal in the field of view or the exomass. <i>Scientific Reports</i> , 2021, 11, 19155.	3.3	8
49	CBCT vs other imaging modalities to assess peri-implant bone and diagnose complications: a systematic review. <i>European Journal of Oral Implantology</i> , 2018, 11 Suppl 1, 77-92.	1.2	7
50	Influence of voxel size on cone beam computed tomography artifacts arising from the exomass. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2021, 132, 456-464.	0.4	6
51	Peripheral osteoma of the mandibular crest: a short case study. <i>Journal of Oral Medicine and Oral Surgery</i> , 2018, 24, 29-32.	0.4	6
52	Method validation to assess in vivo cellular and subcellular changes in buccal mucosa cells and saliva following CBCT examinations. <i>Dentomaxillofacial Radiology</i> , 2019, 48, 20180428.	2.7	5
53	Influence of the exomass on the detection of simulated root fracture in cone-beam ct " an ex-vivo study. <i>Dentomaxillofacial Radiology</i> , 2021, 50, 20200450.	2.7	4
54	Protease nexin-1 deficiency increases mouse hindlimb neovascularisation following ischemia and accelerates femoral artery perfusion. <i>Scientific Reports</i> , 2021, 11, 13412.	3.3	4

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55	Update on a rare mandibular osteolytic lesion in childhood: the buccal bifurcation cyst. BJR   case Reports, 2018, 4, 20170109.	0.2	3
56	A modified protocol of mandibular osteoradionecrosis induction in rats with external beam radiation therapy. Clinical Oral Investigations, 2020, 24, 1561-1567.	3.0	3
57	Application of recommended preventive measures against COVID-19 could help mitigate the risk of SARS-CoV-2 infection during dental practice: Results from a follow-up survey of French dentists. PLoS ONE, 2021, 16, e0261439.	2.5	3
58	Raman Micro-Spectroscopy of Dental Pulp Stem Cells: An Approach to Monitor the Effects of Cone Beam Computed Tomography Low-Dose Ionizing Radiation. Analytical Letters, 2019, 52, 1097-1111.	1.8	2
59	Does the administration of meloxicam before head and neck radiotherapy reduce the risk of mandibular osteoradionecrosis? An animal model study. Clinical Oral Investigations, 2021, 25, 3739-3745.	3.0	1