

Simon D Tran

List of Publications by Year in Descending Order

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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.

113
papers

2,813
citations

30
h-index

49
g-index

131
ext. papers

3,531
ext. citations

5
avg, IF

5.35
L-index

#	Paper	IF	Citations
113	Characterization and functional analysis of the adipose tissue-derived stromal vascular fraction of pediatric patients with osteogenesis imperfecta.. <i>Scientific Reports</i> , 2022 , 12, 2414	4.9	1
112	Investigation of Fusobacterium Nucleatum in saliva and colorectal mucosa: a pilot study.. <i>Scientific Reports</i> , 2022 , 12, 5622	4.9	
111	Highly Concentrated Nitrogen-Doped Carbon Nanotubes in Alginate-Chitosan 3D Hydrogels Enable in Vitro Breast Cancer Spheroid Formation. <i>Advanced NanoBiomed Research</i> , 2022 , 2, 2100104	0	
110	Graphene Oxide/Elastin Nanostructure-Based Membranes for Bone Regeneration. <i>ACS Applied Nano Materials</i> , 2022 , 5, 6890-6900	5.6	
109	Tracking of Oral and Craniofacial Stem Cells in Tissue Development, Regeneration, and Diseases. <i>Current Osteoporosis Reports</i> , 2021 , 1	5.4	0
108	Detection of Fusobacterium nucleatum subspecies in the saliva of pre-colorectal cancer patients, using tandem mass spectrometry.. <i>Archives of Oral Biology</i> , 2021 , 134, 105337	2.8	0
107	Decellularized Extracellular Matrix Composite Hydrogel Bioinks for the Development of 3D Bioprinted Head and Neck in Vitro Tumor Models. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 5288-5300	5.5	8
106	Sulforaphane as a Promising Natural Molecule for Cancer Prevention and Treatment. <i>Current Medical Science</i> , 2021 , 41, 250-269	2.8	4
105	Axolotls and Mice: Oral-Maxillofacial Trephining Wounds Heal Differently. <i>Cells Tissues Organs</i> , 2021 , 210, 260-274	2.1	0
104	The effect of aging on the bone healing properties of blood plasma. <i>Injury</i> , 2021 , 52, 1697-1708	2.5	3
103	COVID-19's impact on private practice and academic dentistry in North America. <i>Oral Diseases</i> , 2021 , 27 Suppl 3, 684-687	3.5	19
102	Studying Sjögren's syndrome in mice: What is the best available model?. <i>Journal of Oral Biology and Craniofacial Research</i> , 2021 , 11, 245-255	2.6	0
101	Telesimulation training applying flipped classroom in the dental clinic for medical emergencies. <i>Journal of Dental Anesthesia and Pain Medicine</i> , 2021 , 21, 179-181	1.3	1
100	Hydrogel Encapsulation of Mesenchymal Stem Cells and Their Derived Exosomes for Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	25
99	Dental 3D-Printing: Transferring Art from the Laboratories to the Clinics. <i>Polymers</i> , 2021 , 13,	4.5	24
98	An Overview on the Histogenesis and Morphogenesis of Salivary Gland Neoplasms and Evolving Diagnostic Approaches. <i>Cancers</i> , 2021 , 13,	6.6	5
97	Differences in platelet-rich plasma composition influence bone healing. <i>Journal of Clinical Periodontology</i> , 2021 , 48, 1613-1623	7.7	1

96	Acquired Facial, Maxillofacial, and Oral Asymmetries A Review Highlighting Diagnosis and Management. <i>Symmetry</i> , 2021 , 13, 1661	2.7	2
95	Advances in Medical Wearable Biosensors: Design, Fabrication and Materials Strategies in Healthcare Monitoring.. <i>Molecules</i> , 2021 , 27,	4.8	4
94	Insight into Salivary Gland Aquaporins. <i>Cells</i> , 2020 , 9,	7.9	14
93	Labial Stem Cell Extract Mitigates Injury to Irradiated Salivary Glands. <i>Journal of Dental Research</i> , 2020 , 99, 293-301	8.1	10
92	Cancer stem cells enrichment with surface markers CD271 and CD44 in human head and neck squamous cell carcinomas. <i>Carcinogenesis</i> , 2020 , 41, 458-466	4.6	12
91	Biomimetic Aspects of Oral and Dentofacial Regeneration. <i>Biomimetics</i> , 2020 , 5,	3.7	9
90	The impact of COVID-19 on dental education in North America-Where do we go next?. <i>European Journal of Dental Education</i> , 2020 , 24, 825-827	2.5	33
89	Tissue Engineering of Oral Mucosa and Salivary Gland: Disease Modeling and Clinical Applications. <i>Micromachines</i> , 2020 , 11,	3.3	2
88	Broccoli extract increases drug-mediated cytotoxicity towards cancer stem cells of head and neck squamous cell carcinoma. <i>British Journal of Cancer</i> , 2020 , 123, 1395-1403	8.7	8
87	3D Cell Culture of Human Salivary Glands Using Nature-Inspired Functional Biomaterials: The Egg Yolk Plasma and Egg White. <i>Materials</i> , 2020 , 13,	3.5	2
86	Postoperative Administration of the Acetylcholinesterase Inhibitor, Donepezil, Interferes with Bone Healing and Implant Osseointegration in a Rat Model. <i>Biomolecules</i> , 2020 , 10,	5.9	5
85	Mesenchymal Stem Cells Extract (MSCsE)-Based Therapy Alleviates Xerostomia and Keratoconjunctivitis Sicca in Sjogren's Syndrome-Like Disease. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	18
84	Combination of polyetherketoneketone scaffold and human mesenchymal stem cells from temporomandibular joint synovial fluid enhances bone regeneration. <i>Scientific Reports</i> , 2019 , 9, 472	4.9	19
83	Nanomaterials in Craniofacial Tissue Regeneration: A Review. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 317	2.6	10
82	Cell culture of differentiated human salivary epithelial cells in a serum-free and scalable suspension system: The salivary functional units model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 1559-1570	4.4	10
81	Head and neck cancer management and cancer stem cells implication. <i>Saudi Dental Journal</i> , 2019 , 31, 395-416	2.5	20
80	Bone extracts immunomodulate and enhance the regenerative performance of dicalcium phosphates bioceramics. <i>Acta Biomaterialia</i> , 2019 , 89, 343-358	10.8	21
79	The Applications of 3D Printing for Craniofacial Tissue Engineering. <i>Micromachines</i> , 2019 , 10,	3.3	41

78	3D Culture Histology Cryosectioned Well Insert Technology Preserves the Structural Relationship between Cells and Biomaterials for Time-Lapse Analysis of 3D Cultures. <i>Biotechnology Journal</i> , 2019 , 14, e1900105	5.6	5
77	Smart Hydrogels in Tissue Engineering and Regenerative Medicine. <i>Materials</i> , 2019 , 12,	3.5	200
76	Anti-inflammatory and vasculogenic conditioning of peripheral blood mononuclear cells reinforces their therapeutic potential for radiation-injured salivary glands. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 304	8.3	8
75	3D Cultures of Salivary Gland Cells in Native or Gelled Egg Yolk Plasma, Combined with Egg White and 3D-Printing of Gelled Egg Yolk Plasma. <i>Materials</i> , 2019 , 12,	3.5	7
74	Career pathways and professional skills of postgraduate students from a dental research-intensive programme. <i>European Journal of Dental Education</i> , 2019 , 23, 143-150	2.5	3
73	Lyophilized bone marrow cell extract functionally restores irradiation-injured salivary glands. <i>Oral Diseases</i> , 2018 , 24, 202-206	3.5	12
72	Comparative adsorption profiles of basal lamina proteome and gingival cells onto dental and titanium surfaces. <i>Acta Biomaterialia</i> , 2018 , 73, 547-558	10.8	7
71	Cell extracts from spleen and adipose tissues restore function to irradiation-injured salivary glands. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e1289-e1296	4.4	4
70	Cardiovascular Diseases and Periodontal Disease. <i>Current Oral Health Reports</i> , 2018 , 5, 13-18	1.2	2
69	Dedifferentiated Fat (DFAT) cells: A cell source for oral and maxillofacial tissue engineering. <i>Oral Diseases</i> , 2018 , 24, 1161-1167	3.5	14
68	Scaffolds for epithelial tissue engineering customized in elastomeric molds. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 880-890	3.5	4
67	Optimal timing and frequency of bone marrow soup therapy for functional restoration of salivary glands injured by single-dose or fractionated irradiation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e1195-e1205	4.4	11
66	Broccoli extract improves chemotherapeutic drug efficacy against head-neck squamous cell carcinomas. <i>Medical Oncology</i> , 2018 , 35, 124	3.7	10
65	Cross-contamination of the human salivary gland HSG cell line with HeLa cells: A STR analysis study. <i>Oral Diseases</i> , 2018 , 24, 1477-1483	3.5	13
64	Association between metabolic syndrome and gingival inflammation in obese children. <i>International Journal of Dental Hygiene</i> , 2018 , 16, 397-403	2.6	
63	Saliva [A Promising Tool for Diagnosing Oral Diseases. <i>Current Oral Health Reports</i> , 2018 , 5, 242-249	1.2	1
62	The role of human fibronectin- or placenta basement membrane extract-based gels in favouring the formation of polarized salivary acinar-like structures. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 2643-2657	4.4	12
61	A Simplified and Systematic Method to Isolate, Culture, and Characterize Multiple Types of Human Dental Stem Cells from a Single Tooth. <i>Methods in Molecular Biology</i> , 2017 , 1553, 191-207	1.4	17

60	Three-Dimensional Printed Scaffolds with Multipotent Mesenchymal Stromal Cells for Rabbit Mandibular Reconstruction and Engineering. <i>Methods in Molecular Biology</i> , 2017 , 1553, 273-291	1.4	11
59	Compact Bone-Derived Multipotent Mesenchymal Stromal Cells (MSCs) for the Treatment of Sjogren's-like Disease in NOD Mice. <i>Methods in Molecular Biology</i> , 2017 , 1553, 25-39	1.4	5
58	Biomaterial surface proteomic signature determines interaction with epithelial cells. <i>Acta Biomaterialia</i> , 2017 , 54, 150-163	10.8	37
57	Overexpression of CD109 in the Epidermis Differentially Regulates ALK1 Versus ALK5 Signaling and Modulates Extracellular Matrix Synthesis in the Skin. <i>Journal of Investigative Dermatology</i> , 2017 , 137, 641-649	4.3	10
56	Three-dimensionally printed polyetherketoneketone scaffolds with mesenchymal stem cells for the reconstruction of critical-sized mandibular defects. <i>Laryngoscope</i> , 2017 , 127, E392-E398	3.6	24
55	Human umbilical cord blood hematopoietic stem cell expansion by the RNA-binding protein Musashi-2. <i>Oral Diseases</i> , 2017 , 23, 548-550	3.5	
54	Adult Stem Cell Therapy for Salivary Glands, with a Special Emphasis on Mesenchymal Stem Cells 2017 , 93-102		3
53	Saliva as a diagnostic tool for oral and systemic diseases. <i>Journal of Oral Biology and Craniofacial Research</i> , 2016 , 6, 66-75	2.6	168
52	Improving PEEK bioactivity for craniofacial reconstruction using a 3D printed scaffold embedded with mesenchymal stem cells. <i>Journal of Biomaterials Applications</i> , 2016 , 31, 132-9	2.9	69
51	Three-dimensional organotypic culture of human salivary glands: the slice culture model. <i>Oral Diseases</i> , 2016 , 22, 639-48	3.5	9
50	Natural extracellular matrix scaffolds recycled from human salivary digests: a morphometric study. <i>Oral Diseases</i> , 2016 , 22, 313-23	3.5	12
49	Oral-Facial Tissue Reconstruction in the Regenerative Axolotl. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2016 , 326, 489-502	1.8	8
48	Quality of supervision: postgraduate dental research trainees Perspectives. <i>European Journal of Dental Education</i> , 2016 , 20, 32-8	2.5	6
47	Periodontal associations in cardiovascular diseases: The latest evidence and understanding. <i>Journal of Oral Biology and Craniofacial Research</i> , 2015 , 5, 203-6	2.6	33
46	Graphene and hydroxyapatite self-assemble into homogeneous, free standing nanocomposite hydrogels for bone tissue engineering. <i>Nanoscale</i> , 2015 , 7, 7992-8002	7.7	105
45	Transient Exposure to Hypoxic and Anoxic Oxygen Concentrations Promotes Either Osteogenic or Ligamentogenic Characteristics of PDL Cells. <i>BioResearch Open Access</i> , 2015 , 4, 175-87	2.4	6
44	Identification of the active components in Bone Marrow Soup: a mitigator against irradiation-injury to salivary glands. <i>Scientific Reports</i> , 2015 , 5, 16017	4.9	22
43	Osteogenic Potential of Dental Mesenchymal Stem Cells in Preclinical Studies: A Systematic Review Using Modified ARRIVE and CONSORT Guidelines. <i>Stem Cells International</i> , 2015 , 2015, 378368	5	31

42	Histological characteristics following a long-term nitrate-rich diet in miniature pigs with parotid atrophy. <i>International Journal of Clinical and Experimental Pathology</i> , 2015 , 8, 6225-34	1.4	4
41	Circulating undercarboxylated osteocalcin and gingival crevicular fluid tumour necrosis factor- α in children. <i>Journal of Clinical Periodontology</i> , 2014 , 41, 467-72	7.7	2
40	Bone Marrow-derived Cell Therapy for Oral Mucosal Repair after Irradiation. <i>Journal of Dental Research</i> , 2014 , 93, 813-20	8.1	11
39	Treatment for salivary gland hypofunction at both initial and advanced stages of Sjögren-like disease: a comparative study of bone marrow therapy versus spleen cell therapy with a 1-year monitoring period. <i>Cytotherapy</i> , 2014 , 16, 412-23	4.8	15
38	Quantitative analysis of protein and gene expression in salivary glands of Sjögren-like disease NOD mice treated by bone marrow soup. <i>PLoS ONE</i> , 2014 , 9, e87158	3.7	12
37	Interferon- γ induces immunoproteasomes and the presentation of MHC I-associated peptides on human salivary gland cells. <i>PLoS ONE</i> , 2014 , 9, e102878	3.7	15
36	Effects of double ligation of Stensen's duct on the rabbit parotid gland. <i>Biotechnic and Histochemistry</i> , 2014 , 89, 181-98	1.8	15
35	GDFs promote tenogenic characteristics on human periodontal ligament-derived cells in culture at late passages. <i>Growth Factors</i> , 2013 , 31, 165-73	1.6	10
34	Metabolic syndrome and gingival inflammation in Caucasian children with a family history of obesity. <i>Journal of Clinical Periodontology</i> , 2013 , 40, 986-93	7.7	12
33	Axolotl as a Model to Study Scarless Wound Healing in Vertebrates: Role of the Transforming Growth Factor Beta Signaling Pathway. <i>Advances in Wound Care</i> , 2013 , 2, 250-260	4.8	35
32	Paracrine effects of bone marrow soup restore organ function, regeneration, and repair in salivary glands damaged by irradiation. <i>PLoS ONE</i> , 2013 , 8, e61632	3.7	51
31	Perfluorodecalin and bone regeneration. <i>European Cells and Materials</i> , 2013 , 25, 22-36	4.3	14
30	Regeneration of tissues of the oral complex: current clinical trends and research advances. <i>Journal of the Canadian Dental Association</i> , 2013 , 79, d1	2.1	10
29	Cell surface markers CD44 and CD166 localized specific populations of salivary acinar cells. <i>Oral Diseases</i> , 2012 , 18, 162-8	3.5	29
28	Intraoral electrostimulator for xerostomia relief: a long-term, multicenter, open-label, uncontrolled, clinical trial. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2012 , 113, 773-81	3.81	33
27	Mesenchymal stromal cells improve salivary function and reduce lymphocytic infiltrates in mice with Sjögren-like disease. <i>PLoS ONE</i> , 2012 , 7, e38615	3.7	58
26	Bone marrow-derived cells rescue salivary gland function in mice with head and neck irradiation. <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 80-7	5.6	103
25	Bone marrow-derived cells: A potential approach for the treatment of xerostomia. <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 5-9	5.6	41

24	Matrigel improves functional properties of human submandibular salivary gland cell line. <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 622-31	5.6	52
23	Microchimerism in salivary glands after blood- and marrow-derived stem cell transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2011 , 17, 429-33	4.7	22
22	Cannulation of the mouse submandibular salivary gland via the Wharton's duct. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	9
21	Matrigel improves functional properties of primary human salivary gland cells. <i>Tissue Engineering - Part A</i> , 2011 , 17, 1229-38	3.9	53
20	Efficacy and safety of an intraoral electrostimulation device for xerostomia relief: a multicenter, randomized trial. <i>Arthritis and Rheumatism</i> , 2011 , 63, 180-90		51
19	Human mesenchymal stem cells cultured with salivary gland biopsies adopt an epithelial phenotype. <i>Stem Cells and Development</i> , 2011 , 20, 959-67	4.4	38
18	Bone marrow cells are a source of undifferentiated cells to prevent Sjögren's syndrome and to preserve salivary glands function in the non-obese diabetic mice. <i>International Journal of Biochemistry and Cell Biology</i> , 2010 , 42, 1893-9	5.6	19
17	Adiposity and gingival crevicular fluid tumour necrosis factor-alpha levels in children. <i>Journal of Clinical Periodontology</i> , 2009 , 36, 301-7	7.7	16
16	Distribution of tight junction proteins in adult human salivary glands. <i>Journal of Histochemistry and Cytochemistry</i> , 2008 , 56, 1093-8	3.4	33
15	Cells from bone marrow that evolve into oral tissues and their clinical applications. <i>Oral Diseases</i> , 2007 , 13, 11-6	3.5	34
14	Reversal of Sjogren's-like syndrome in non-obese diabetic mice. <i>Annals of the Rheumatic Diseases</i> , 2007 , 66, 812-4	2.4	30
13	Comment on papers by Chong et al., Nishio et al., and Suri et al. on diabetes reversal in NOD mice. <i>Science</i> , 2006 , 314, 1243; author reply 1243	33.3	5
12	Re-engineering primary epithelial cells from rhesus monkey parotid glands for use in developing an artificial salivary gland. <i>Tissue Engineering</i> , 2006 , 12, 2939-48		36
11	Synergy between genetic and tissue engineering: creating an artificial salivary gland. <i>Periodontology 2000</i> , 2006 , 41, 218-23	12.9	26
10	Primary culture of polarized human salivary epithelial cells for use in developing an artificial salivary gland. <i>Tissue Engineering</i> , 2005 , 11, 172-81		67
9	Transplanted human bone marrow cells generate new brain cells. <i>Journal of the Neurological Sciences</i> , 2005 , 233, 121-3	3.2	57
8	Immune responses following salivary gland administration of recombinant adeno-associated virus serotype 2 vectors. <i>Journal of Gene Medicine</i> , 2005 , 7, 432-41	3.5	22
7	Differentiation of human bone marrow-derived cells into buccal epithelial cells in vivo: a molecular analytical study. <i>Lancet, The</i> , 2003 , 361, 1084-8	4.0	148

6	Absence of tight junction formation in an allogeneic graft cell line used for developing an engineered artificial salivary gland. <i>Tissue Engineering</i> , 2002 , 8, 871-8		46
5	The impact of gene therapy on dentistry: a revisiting after six years. <i>Journal of the American Dental Association</i> , 2002 , 133, 35-44	1.9	30
4	Integrin clustering induces kinectin accumulation. <i>Journal of Cell Science</i> , 2002 , 115, 2031-40	5.3	43
3	Persistent presence of <i>Bacteroides forsythus</i> as a risk factor for attachment loss in a population with low prevalence and severity of adult periodontitis. <i>Journal of Periodontology</i> , 2001 , 72, 1-10	4.6	62
2	Improved multiplex PCR using conserved and species-specific 16S rRNA gene primers for simultaneous detection of <i>Actinobacillus actinomycetemcomitans</i> , <i>Bacteroides forsythus</i> , and <i>Porphyromonas gingivalis</i> . <i>Journal of Clinical Microbiology</i> , 1999 , 37, 3504-8	9.7	106
1	Risk indicators for periodontal disease in a racially diverse urban population. <i>Journal of Clinical Periodontology</i> , 1996 , 23, 982-8	7.7	87