Simon D Tran

List of Publications by Citations

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	Smart Hydrogels in Tissue Engineering and Regenerative Medicine. *Materials*, **2019**, 12,	3.5	200
112	Saliva as a diagnostic tool for oral and systemic diseases. *Journal of Oral Biology and Craniofacial Research*, **2016**, 6, 66-75	2.6	168
111	Differentiation of human bone marrow-derived cells into buccal epithelial cells in vivo: a molecular analytical study. *Lancet, The*, **2003**, 361, 1084-8	40	148
110	Improved multiplex PCR using conserved and species-specific 16S rRNA gene primers for simultaneous detection of Actinobacillus actinomycetemcomitans, Bacteroides forsythus, and Porphyromonas gingivalis. *Journal of Clinical Microbiology*, **1999**, 37, 3504-8	9.7	106
109	Graphene and hydroxyapatite self-assemble into homogeneous, free standing nanocomposite hydrogels for bone tissue engineering. *Nanoscale*, **2015**, 7, 7992-8002	7.7	105
108	Bone marrow-derived cells rescue salivary gland function in mice with head and neck irradiation. *International Journal of Biochemistry and Cell Biology*, **2011**, 43, 80-7	5.6	103
107	Risk indicators for periodontal disease in a racially diverse urban population. *Journal of Clinical Periodontology*, **1996**, 23, 982-8	7.7	87
106	Improving PEEK bioactivity for craniofacial reconstruction using a 3D printed scaffold embedded with mesenchymal stem cells. *Journal of Biomaterials Applications*, **2016**, 31, 132-9	2.9	69
105	Primary culture of polarized human salivary epithelial cells for use in developing an artificial salivary gland. *Tissue Engineering*, **2005**, 11, 172-81		67
104	Persistent presence of Bacteroides forsythus as a risk factor for attachment loss in a population with low prevalence and severity of adult periodontitis. *Journal of Periodontology*, **2001**, 72, 1-10	4.6	62
103	Mesenchymal stromal cells improve salivary function and reduce lymphocytic infiltrates in mice with Sjögren's-like disease. *PLoS ONE*, **2012**, 7, e38615	3.7	58
102	Transplanted human bone marrow cells generate new brain cells. *Journal of the Neurological Sciences*, **2005**, 233, 121-3	3.2	57
101	Matrigel improves functional properties of primary human salivary gland cells. *Tissue Engineering - Part A*, **2011**, 17, 1229-38	3.9	53
100	Matrigel improves functional properties of human submandibular salivary gland cell line. *International Journal of Biochemistry and Cell Biology*, **2011**, 43, 622-31	5.6	52
99	Efficacy and safety of an intraoral electrostimulation device for xerostomia relief: a multicenter, randomized trial. *Arthritis and Rheumatism*, **2011**, 63, 180-90		51
98	Paracrine effects of bone marrow soup restore organ function, regeneration, and repair in salivary glands damaged by irradiation. *PLoS ONE*, **2013**, 8, e61632	3.7	51
97	Absence of tight junction formation in an allogeneic graft cell line used for developing an engineered artificial salivary gland. *Tissue Engineering*, **2002**, 8, 871-8		46

96	Integrin clustering induces kinectin accumulation. *Journal of Cell Science*, **2002**, 115, 2031-40	5.3	43
95	The Applications of 3D Printing for Craniofacial Tissue Engineering. *Micromachines*, **2019**, 10,	3.3	41
94	Bone marrow-derived cells: A potential approach for the treatment of xerostomia. *International Journal of Biochemistry and Cell Biology*, **2011**, 43, 5-9	5.6	41
93	Human mesenchymal stem cells cultured with salivary gland biopsies adopt an epithelial phenotype. *Stem Cells and Development*, **2011**, 20, 959-67	4.4	38
92	Biomaterial surface proteomic signature determines interaction with epithelial cells. *Acta Biomaterialia*, **2017**, 54, 150-163	10.8	37
91	Re-engineering primary epithelial cells from rhesus monkey parotid glands for use in developing an artificial salivary gland. *Tissue Engineering*, **2006**, 12, 2939-48		36
90	Axolotl as a Model to Study Scarless Wound Healing in Vertebrates: Role of the Transforming Growth Factor Beta Signaling Pathway. *Advances in Wound Care*, **2013**, 2, 250-260	4.8	35
89	Cells from bone marrow that evolve into oral tissues and their clinical applications. *Oral Diseases*, **2007**, 13, 11-6	3.5	34
88	Periodontal associations in cardiovascular diseases: The latest evidence and understanding. *Journal of Oral Biology and Craniofacial Research*, **2015**, 5, 203-6	2.6	33
87	Intraoral electrostimulator for xerostomia relief: a long-term, multicenter, open-label, uncontrolled, clinical trial. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, **2012**, 113, 773-81	2	33
86	Distribution of tight junction proteins in adult human salivary glands. *Journal of Histochemistry and Cytochemistry*, **2008**, 56, 1093-8	3.4	33
85	The impact of COVID-19 on dental education in North America-Where do we go next?. *European Journal of Dental Education*, **2020**, 24, 825-827	2.5	33
84	Osteogenic Potential of Dental Mesenchymal Stem Cells in Preclinical Studies: A Systematic Review Using Modified ARRIVE and CONSORT Guidelines. *Stem Cells International*, **2015**, 2015, 378368	5	31
83	Reversal of Sjogren's-like syndrome in non-obese diabetic mice. *Annals of the Rheumatic Diseases*, **2007**, 66, 812-4	2.4	30
82	The impact of gene therapy on dentistry: a revisiting after six years. *Journal of the American Dental Association*, **2002**, 133, 35-44	1.9	30
81	Cell surface markers CD44 and CD166 localized specific populations of salivary acinar cells. *Oral Diseases*, **2012**, 18, 162-8	3.5	29
80	Synergy between genetic and tissue engineering: creating an artificial salivary gland. *Periodontology 2000*, **2006**, 41, 218-23	12.9	26
79	Hydrogel Encapsulation of Mesenchymal Stem Cells and Their Derived Exosomes for Tissue Engineering. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	25

78	Three-dimensionally printed polyetherketoneketone scaffolds with mesenchymal stem cells for the reconstruction of critical-sized mandibular defects. *Laryngoscope*, **2017**, 127, E392-E398	3.6	24
77	Dental 3D-Printing: Transferring Art from the Laboratories to the Clinics. *Polymers*, **2021**, 13,	4.5	24
76	Identification of the active components in Bone Marrow Soup: a mitigator against irradiation-injury to salivary glands. *Scientific Reports*, **2015**, 5, 16017	4.9	22
75	Microchimerism in salivary glands after blood- and marrow-derived stem cell transplantation. *Biology of Blood and Marrow Transplantation*, **2011**, 17, 429-33	4.7	22
74	Immune responses following salivary gland administration of recombinant adeno-associated virus serotype 2 vectors. *Journal of Gene Medicine*, **2005**, 7, 432-41	3.5	22
73	Bone extracts immunomodulate and enhance the regenerative performance of dicalcium phosphates bioceramics. *Acta Biomaterialia*, **2019**, 89, 343-358	10.8	21
72	Head and neck cancer management and cancer stem cells implication. *Saudi Dental Journal*, **2019**, 31, 395-416	2.5	20
71	Combination of polyetherketoneketone scaffold and human mesenchymal stem cells from temporomandibular joint synovial fluid enhances bone regeneration. *Scientific Reports*, **2019**, 9, 472	4.9	19
70	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. *International Journal of Biochemistry and Cell Biology*, **2010**, 42, 1893-9	5.6	19
69	COVID-19's impact on private practice and academic dentistry in North America. *Oral Diseases*, **2021**, 27 Suppl 3, 684-687	3.5	19
68	Mesenchymal Stem Cells Extract (MSCsE)-Based Therapy Alleviates Xerostomia and Keratoconjunctivitis Sicca in Sjogren's Syndrome-Like Disease. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	18
67	A Simplified and Systematic Method to Isolate, Culture, and Characterize Multiple Types of Human Dental Stem Cells from a Single Tooth. *Methods in Molecular Biology*, **2017**, 1553, 191-207	1.4	17
66	Adiposity and gingival crevicular fluid tumour necrosis factor-alpha levels in children. *Journal of Clinical Periodontology*, **2009**, 36, 301-7	7.7	16
65	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. *Cytotherapy*, **2014**, 16, 412-23	4.8	15
64	Interferon- induces immunoproteasomes and the presentation of MHC I-associated peptides on human salivary gland cells. *PLoS ONE*, **2014**, 9, e102878	3.7	15
63	Effects of double ligation of Stensen's duct on the rabbit parotid gland. *Biotechnic and Histochemistry*, **2014**, 89, 181-98	1.8	15
62	Insight into Salivary Gland Aquaporins. *Cells*, **2020**, 9,	7.9	14
61	Dedifferentiated Fat (DFAT) cells: A cell source for oral and maxillofacial tissue engineering. *Oral Diseases*, **2018**, 24, 1161-1167	3.5	14

60	Perfluorodecalin and bone regeneration. *European Cells and Materials*, **2013**, 25, 22-36	4.3	14
59	Cross-contamination of the human salivary gland HSG cell line with HeLa cells: A STR analysis study. *Oral Diseases*, **2018**, 24, 1477-1483	3.5	13
58	The role of human fibronectin- or placenta basement membrane extract-based gels in favouring the formation of polarized salivary acinar-like structures. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 2643-2657	4.4	12
57	Lyophilized bone marrow cell extract functionally restores irradiation-injured salivary glands. *Oral Diseases*, **2018**, 24, 202-206	3.5	12
56	Quantitative analysis of protein and gene expression in salivary glands of Sjogrens-like disease NOD mice treated by bone marrow soup. *PLoS ONE*, **2014**, 9, e87158	3.7	12
55	Metabolic syndrome and gingival inflammation in Caucasian children with a family history of obesity. *Journal of Clinical Periodontology*, **2013**, 40, 986-93	7.7	12
54	Cancer stem cells enrichment with surface markers CD271 and CD44 in human head and neck squamous cell carcinomas. *Carcinogenesis*, **2020**, 41, 458-466	4.6	12
53	Natural extracellular matrix scaffolds recycled from human salivary digests: a morphometric study. *Oral Diseases*, **2016**, 22, 313-23	3.5	12
52	Three-Dimensional Printed Scaffolds with Multipotent Mesenchymal Stromal Cells for Rabbit Mandibular Reconstruction and Engineering. *Methods in Molecular Biology*, **2017**, 1553, 273-291	1.4	11
51	Optimal timing and frequency of bone marrow soup therapy for functional restoration of salivary glands injured by single-dose or fractionated irradiation. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, e1195-e1205	4.4	11
50	Bone Marrow-derived Cell Therapy for Oral Mucosal Repair after Irradiation. *Journal of Dental Research*, **2014**, 93, 813-20	8.1	11
49	Overexpression of CD109 in the Epidermis Differentially Regulates ALK1 Versus ALK5 Signaling and Modulates Extracellular Matrix Synthesis in the Skin. *Journal of Investigative Dermatology*, **2017**, 137, 641-649	4.3	10
48	Nanomaterials in Craniofacial Tissue Regeneration: A Review. *Applied Sciences (Switzerland)*, **2019**, 9, 317	2.6	10
47	Cell culture of differentiated human salivary epithelial cells in a serum-free and scalable suspension system: The salivary functional units model. *Journal of Tissue Engineering and Regenerative Medicine* , **2019**, 13, 1559-1570	4.4	10
46	Labial Stem Cell Extract Mitigates Injury to Irradiated Salivary Glands. *Journal of Dental Research*, **2020**, 99, 293-301	8.1	10
45	Broccoli extract improves chemotherapeutic drug efficacy against head-neck squamous cell carcinomas. *Medical Oncology*, **2018**, 35, 124	3.7	10
44	GDFs promote tenogenic characteristics on human periodontal ligament-derived cells in culture at late passages. *Growth Factors*, **2013**, 31, 165-73	1.6	10
43	Regeneration of tissues of the oral complex: current clinical trends and research advances. *Journal of the Canadian Dental Association*, **2013**, 79, d1	2.1	10

42	Cannulation of the mouse submandibular salivary gland via the WhartonS duct. *Journal of Visualized Experiments*, **2011**,	1.6	9
41	Biomimetic Aspects of Oral and Dentofacial Regeneration. *Biomimetics*, **2020**, 5,	3.7	9
40	Three-dimensional organotypic culture of human salivary glands: the slice culture model. *Oral Diseases*, **2016**, 22, 639-48	3.5	9
39	Anti-inflammatory and vasculogenic conditioning of peripheral blood mononuclear cells reinforces their therapeutic potential for radiation-injured salivary glands. *Stem Cell Research and Therapy*, **2019**, 10, 304	8.3	8
38	Decellularized Extracellular Matrix Composite Hydrogel Bioinks for the Development of 3D Bioprinted Head and Neck in Vitro Tumor Models. *ACS Biomaterials Science and Engineering*, **2021**, 7, 5288-5300	5.5	8
37	Broccoli extract increases drug-mediated cytotoxicity towards cancer stem cells of head and neck squamous cell carcinoma. *British Journal of Cancer*, **2020**, 123, 1395-1403	8.7	8
36	Oral-Facial Tissue Reconstruction in the Regenerative Axolotl. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2016**, 326, 489-502	1.8	8
35	Comparative adsorption profiles of basal lamina proteome and gingival cells onto dental and titanium surfaces. *Acta Biomaterialia*, **2018**, 73, 547-558	10.8	7
34	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. *Materials*, **2019**, 12,	3.5	7
33	Transient Exposure to Hypoxic and Anoxic Oxygen Concentrations Promotes Either Osteogenic or Ligamentogenic Characteristics of PDL Cells. *BioResearch Open Access*, **2015**, 4, 175-87	2.4	6
32	Quality of supervision: postgraduate dental research traineesSperspectives. *European Journal of Dental Education*, **2016**, 20, 32-8	2.5	6
31	Compact Bone-Derived Multipotent Mesenchymal Stromal Cells (MSCs) for the Treatment of SjogrenS-like Disease in NOD Mice. *Methods in Molecular Biology*, **2017**, 1553, 25-39	1.4	5
30	3D Culture Histology Cryosectioned Well Insert Technology Preserves the Structural Relationship between Cells and Biomaterials for Time-Lapse Analysis of 3D Cultures. *Biotechnology Journal*, **2019**, 14, e1900105	5.6	5
29	Comment on papers by Chong et al., Nishio et al., and Suri et al. on diabetes reversal in NOD mice. *Science*, **2006**, 314, 1243; author reply 1243	33.3	5
28	Postoperative Administration of the Acetylcholinesterase Inhibitor, Donepezil, Interferes with Bone Healing and Implant Osseointegration in a Rat Model. *Biomolecules*, **2020**, 10,	5.9	5
27	An Overview on the Histogenesis and Morphogenesis of Salivary Gland Neoplasms and Evolving Diagnostic Approaches. *Cancers*, **2021**, 13,	6.6	5
26	Cell extracts from spleen and adipose tissues restore function to irradiation-injured salivary glands. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, e1289-e1296	4.4	4
25	Scaffolds for epithelial tissue engineering customized in elastomeric molds. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2018**, 106, 880-890	3.5	4

24	Histological characteristics following a long-term nitrate-rich diet in miniature pigs with parotid atrophy. *International Journal of Clinical and Experimental Pathology*, **2015**, 8, 6225-34	1.4	4
23	Sulforaphane as a Promising Natural Molecule for Cancer Prevention and Treatment. *Current Medical Science*, **2021**, 41, 250-269	2.8	4
22	Advances in Medical Wearable Biosensors: Design, Fabrication and Materials Strategies in Healthcare Monitoring.. *Molecules*, **2021**, 27,	4.8	4
21	Adult Stem Cell Therapy for Salivary Glands, with a Special Emphasis on Mesenchymal Stem Cells **2017**, 93-102		3
20	The effect of aging on the bone healing properties of blood plasma. *Injury*, **2021**, 52, 1697-1708	2.5	3
19	Career pathways and professional skills of postgraduate students from a dental research-intensive programme. *European Journal of Dental Education*, **2019**, 23, 143-150	2.5	3
18	Cardiovascular Diseases and Periodontal Disease. *Current Oral Health Reports*, **2018**, 5, 13-18	1.2	2
17	Circulating undercarboxylated osteocalcin and gingival crevicular fluid tumour necrosis factor-□n children. *Journal of Clinical Periodontology*, **2014**, 41, 467-72	7.7	2
16	Tissue Engineering of Oral Mucosa and Salivary Gland: Disease Modeling and Clinical Applications. *Micromachines*, **2020**, 11,	3.3	2
15	3D Cell Culture of Human Salivary Glands Using Nature-Inspired Functional Biomaterials: The Egg Yolk Plasma and Egg White. *Materials*, **2020**, 13,	3.5	2
14	Acquired Facial, Maxillofacial, and Oral Asymmetries□A Review Highlighting Diagnosis and Management. *Symmetry*, **2021**, 13, 1661	2.7	2
13	Telesimulation training applying flipped classroom in the dental clinic for medical emergencies. *Journal of Dental Anesthesia and Pain Medicine*, **2021**, 21, 179-181	1.3	1
12	Saliva □A Promising Tool for Diagnosing Oral Diseases. *Current Oral Health Reports*, **2018**, 5, 242-249	1.2	1
11	Differences in platelet-rich plasma composition influence bone healing. *Journal of Clinical Periodontology*, **2021**, 48, 1613-1623	7.7	1
10	Characterization and functional analysis of the adipose tissue-derived stromal vascular fraction of pediatric patients with osteogenesis imperfecta.. *Scientific Reports*, **2022**, 12, 2414	4.9	1
9	Tracking of Oral and Craniofacial Stem Cells in Tissue Development, Regeneration, and Diseases. *Current Osteoporosis Reports*, **2021**, 1	5.4	0
8	Detection of Fusobacterium nucleatum subspecies in the saliva of pre-colorectal cancer patients, using tandem mass spectrometry.. *Archives of Oral Biology*, **2021**, 134, 105337	2.8	0
7	AxolotlsSand MicesSOral-Maxillofacial Trephining Wounds Heal Differently. *Cells Tissues Organs*, **2021**, 210, 260-274	2.1	0

6	Studying Sjögren's syndrome in mice: What is the best available model?. *Journal of Oral Biology and Craniofacial Research*, **2021**, 11, 245-255	2.6	0
5	Human umbilical cord blood hematopoietic stem cell expansion by the RNA-binding protein Musashi-2. *Oral Diseases*, **2017**, 23, 548-550	3.5	
4	Association between metabolic syndrome and gingival inflammation in obese children. *International Journal of Dental Hygiene*, **2018**, 16, 397-403	2.6	
3	Investigation of Fusobacterium Nucleatum in saliva and colorectal mucosa: a pilot study.. *Scientific Reports*, **2022**, 12, 5622	4.9	
2	Highly Concentrated Nitrogen-Doped Carbon Nanotubes in Alginate–Gelatin 3D Hydrogels Enable in Vitro Breast Cancer Spheroid Formation. *Advanced NanoBiomed Research*, **2022**, 2, 2100104	0	
1	Graphene Oxide/Elastin Nanostructure-Based Membranes for Bone Regeneration. *ACS Applied Nano Materials*, **2022**, 5, 6890-6900	5.6	