

Rena N D'souza

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3116236/publications.pdf>

Version: 2024-02-01

64
papers

4,161
citations

136740

32
h-index

114278

63
g-index

65
all docs

65
docs citations

65
times ranked

4456
citing authors

#	ARTICLE	IF	CITATIONS
1	The decades ahead for dental education. <i>Journal of Dental Education</i> , 2022, 86, 635-636.	0.7	2
2	Innovative Molecular and Cellular Therapeutics in Cleft Palate Tissue Engineering. <i>Tissue Engineering - Part B: Reviews</i> , 2021, 27, 215-237.	2.5	17
3	FAM20B-catalyzed glycosaminoglycans control murine tooth number by restricting FGFR2b signaling. <i>BMC Biology</i> , 2020, 18, 87.	1.7	13
4	Modeling Hypoxia Induced Factors to Treat Pulpal Inflammation and Drive Regeneration. <i>Journal of Endodontics</i> , 2020, 46, S19-S25.	1.4	11
5	Pax9's Interaction With the Ectodysplasin Signaling Pathway During the Patterning of Dentition. <i>Frontiers in Physiology</i> , 2020, 11, 581843.	1.3	6
6	Pax9's dual roles in modulating Wnt signaling during murine palatogenesis. <i>Developmental Dynamics</i> , 2020, 249, 1274-1284.	0.8	9
7	Molecular Diagnostics and In Utero Therapeutics for Orofacial Clefts. <i>Journal of Dental Research</i> , 2020, 99, 1221-1227.	2.5	8
8	Expanded Differentiation Capability of Human Wharton's Jelly Stem Cells Toward Pluripotency: A Systematic Review. <i>Tissue Engineering - Part B: Reviews</i> , 2020, 26, 301-312.	2.5	10
9	A Single-Step Self-Assembly Approach for the Fabrication of Aligned and Multilayered Three-Dimensional Tissue Constructs Using Multidomain Peptide Hydrogel. <i>SLAS Technology</i> , 2019, 24, 55-65.	1.0	6
10	Small-molecule Wnt agonists correct cleft palates in Pax9 mutant mice in utero. <i>Development (Cambridge)</i> , 2017, 144, 3819-3828.	1.2	50
11	How Research Training Will Shape the Future of Dental, Oral, and Craniofacial Research. <i>Journal of Dental Education</i> , 2017, 81, eS73-eS82.	0.7	14
12	Twist1 Is Essential for Tooth Morphogenesis and Odontoblast Differentiation. <i>Journal of Biological Chemistry</i> , 2015, 290, 29593-29602.	1.6	28
13	Self-assembling multidomain peptides tailor biological responses through biphasic release. <i>Biomaterials</i> , 2015, 52, 71-78.	5.7	102
14	Twist1- and Twist2-Haploinsufficiency Results in Reduced Bone Formation. <i>PLoS ONE</i> , 2014, 9, e99331.	1.1	23
15	The WNT10A gene in ectodermal dysplasias and selective tooth agenesis. <i>American Journal of Medical Genetics, Part A</i> , 2014, 164, 2455-2460.	0.7	40
16	Is there a link between ovarian cancer and tooth agenesis?. <i>European Journal of Medical Genetics</i> , 2014, 57, 235-239.	0.7	31
17	Scaffolds to Control Inflammation and Facilitate Dental Pulp Regeneration. <i>Journal of Endodontics</i> , 2014, 40, S6-S12.	1.4	63
18	Sequence Effects of Self-Assembling MultiDomain Peptide Hydrogels on Encapsulated SHED Cells. <i>Biomacromolecules</i> , 2014, 15, 2004-2011.	2.6	48

#	ARTICLE	IF	CITATIONS
19	Biomaterials—Mesenchymal Stem Cell Constructs for Immunomodulation in Composite Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2014, 20, 2162-2168.	1.6	58
20	Self-renewal and multilineage differentiation of mouse dental epithelial stem cells. <i>Stem Cell Research</i> , 2013, 11, 990-1002.	0.3	34
21	Evolving strategies for preventing biofilm on implantable materials. <i>Materials Today</i> , 2013, 16, 177-182.	8.3	87
22	Biomimetic Engineering of Nanofibrous Gelatin Scaffolds with Noncollagenous Proteins for Enhanced Bone Regeneration. <i>Tissue Engineering - Part A</i> , 2013, 19, 1754-1763.	1.6	43
23	The Rescue of Dentin Matrix Protein 1 (DMP1)-deficient Tooth Defects by the Transgenic Expression of Dentin Sialophosphoprotein (DSPP) Indicates That DSPP Is a Downstream Effector Molecule of DMP1 in Dentinogenesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 7204-7214.	1.6	76
24	Functional evaluation of a novel tooth agenesis-associated bone morphogenetic protein 4 prodomain mutation. <i>European Journal of Oral Sciences</i> , 2013, 121, 313-318.	0.7	19
25	Fibroblast Growth Factor Signaling Is Essential for Self-renewal of Dental Epithelial Stem Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 28952-28961.	1.6	22
26	Nuclear localization of DMP1 proteins suggests a role in intracellular signaling. <i>Biochemical and Biophysical Research Communications</i> , 2012, 424, 641-646.	1.0	32
27	A Customized Self-Assembling Peptide Hydrogel for Dental Pulp Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2012, 18, 176-184.	1.6	233
28	Molecular studies on the roles of Runx2 and Twist1 in regulating FGF signaling. <i>Developmental Dynamics</i> , 2012, 241, 1708-1715.	0.8	18
29	Transcriptional repression of the <i>Dspp</i> gene leads to dentinogenesis imperfecta phenotype in <i>Col1a1-Trps1</i> transgenic mice. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 1735-1745.	3.1	16
30	Bioengineering of dental stem cells in a PEGylated fibrin gel. <i>Regenerative Medicine</i> , 2011, 6, 191-200.	0.8	130
31	Tissue engineering approaches for regenerative dentistry. <i>Regenerative Medicine</i> , 2011, 6, 111-124.	0.8	44
32	Dentin Conditioning Codetermines Cell Fate in Regenerative Endodontics. <i>Journal of Endodontics</i> , 2011, 37, 1536-1541.	1.4	244
33	Regulation of Bmp4 Expression in Odontogenic Mesenchyme: From Simple to Complex. <i>Cells Tissues Organs</i> , 2011, 194, 156-160.	1.3	11
34	Biomaterials and their potential applications for dental tissue engineering. <i>Journal of Materials Chemistry</i> , 2010, 20, 8730.	6.7	46
35	Functional analysis of Ectodysplasin-A mutations causing selective tooth agenesis. <i>European Journal of Human Genetics</i> , 2010, 18, 19-25.	1.4	60
36	Failure to Process Dentin Matrix Protein 1 (DMP1) into Fragments Leads to Its Loss of Function in Osteogenesis. <i>Journal of Biological Chemistry</i> , 2010, 285, 31713-31722.	1.6	42

#	ARTICLE	IF	CITATIONS
37	Self-Assembling Multidomain Peptide Hydrogels: Designed Susceptibility to Enzymatic Cleavage Allows Enhanced Cell Migration and Spreading. <i>Journal of the American Chemical Society</i> , 2010, 132, 3217-3223.	6.6	310
38	Blocking of Proteolytic Processing and Deletion of Glycosaminoglycan Side Chain of Mouse DMP1 by Substituting Critical Amino Acid Residues. <i>Cells Tissues Organs</i> , 2009, 189, 192-197.	1.3	17
39	Identification and Functional Analysis of Two Novel <i>PAX9</i> Mutations. <i>Cells Tissues Organs</i> , 2009, 189, 80-87.	1.3	32
40	The NH ₂ -terminal and COOH-terminal Fragments of Dentin Matrix Protein 1 (DMP1) Localize Differently in the Compartments of Dentin and Growth Plate of Bone. <i>Journal of Histochemistry and Cytochemistry</i> , 2009, 57, 155-166.	1.3	38
41	Pathogenic mechanisms of tooth agenesis linked to paired domain mutations in human <i>PAX9</i> . <i>Human Molecular Genetics</i> , 2009, 18, 2863-2874.	1.4	42
42	From ectodermal dysplasia to selective tooth agenesis. <i>American Journal of Medical Genetics, Part A</i> , 2009, 149A, 2037-2041.	0.7	25
43	Classifying ectodermal dysplasias: Incorporating the molecular basis and pathways (Workshop II). <i>American Journal of Medical Genetics, Part A</i> , 2009, 149A, 2062-2067.	0.7	16
44	FGFR2 in the dental epithelium is essential for development and maintenance of the maxillary cervical loop, a stem cell niche in mouse incisors. <i>Developmental Dynamics</i> , 2009, 238, 324-330.	0.8	30
45	Particle Size and Shape of Calcium Hydroxide. <i>Journal of Endodontics</i> , 2009, 35, 284-287.	1.4	36
46	Genetics and Human Malformations. <i>Journal of Craniofacial Surgery</i> , 2009, 20, 1652-1654.	0.3	8
47	Self-Assembling Peptide Amphiphile Nanofibers as a Scaffold for Dental Stem Cells. <i>Tissue Engineering - Part A</i> , 2008, 14, 2051-2058.	1.6	167
48	Novel expression and transcriptional regulation of <i>Foxj1</i> during oro-facial morphogenesis. <i>Human Molecular Genetics</i> , 2008, 17, 3643-3654.	1.4	27
49	Unraveling the Molecular Mechanisms That Lead to Supernumerary Teeth in Mice and Men: Current Concepts and Novel Approaches. <i>Cells Tissues Organs</i> , 2007, 186, 60-69.	1.3	36
50	Extracellular matrix expression and periodontal wound-healing dynamics following guided tissue regeneration therapy in canine furcation defects. <i>Journal of Clinical Periodontology</i> , 2007, 34, 691-708.	2.3	29
51	Human pulp-derived cells immortalized with Simian Virus 40 T-antigen. <i>European Journal of Oral Sciences</i> , 2006, 114, 138-146.	0.7	50
52	Molecular characterization of a novel <i>PAX9</i> missense mutation causing posterior tooth agenesis. <i>European Journal of Human Genetics</i> , 2006, 14, 403-409.	1.4	63
53	Functional Consequences of Interactions between <i>Pax9</i> and <i>Msx1</i> Genes in Normal and Abnormal Tooth Development. <i>Journal of Biological Chemistry</i> , 2006, 281, 18363-18369.	1.6	107
54	Studies on <i>Pax9</i> – <i>Msx1</i> protein interactions. <i>Archives of Oral Biology</i> , 2005, 50, 141-145.	0.8	55

#	ARTICLE	IF	CITATIONS
55	Functional Analysis of a Mutation in PAX9 Associated with Familial Tooth Agenesis in Humans. <i>Journal of Biological Chemistry</i> , 2004, 279, 5924-5933.	1.6	48
56	Expression of Runx2/Cbfa1/Pebp2±A During Angiogenesis in Postnatal Rodent and Fetal Human Orofacial Tissues. <i>Journal of Bone and Mineral Research</i> , 2004, 20, 428-437.	3.1	24
57	Dentin Sialophosphoprotein Knockout Mouse Teeth Display Widened Predentin Zone and Develop Defective Dentin Mineralization Similar to Human Dentinogenesis Imperfecta Type III. <i>Journal of Biological Chemistry</i> , 2003, 278, 24874-24880.	1.6	366
58	Haploinsufficiency of PAX9 is associated with autosomal dominant hypodontia. <i>Human Genetics</i> , 2002, 110, 371-376.	1.8	130
59	Identification of tooth-specific downstream targets of Runx2. <i>Gene</i> , 2001, 279, 91-97.	1.0	16
60	Mutation of PAX9 is associated with oligodontia. <i>Nature Genetics</i> , 2000, 24, 18-19.	9.4	462
61	Genomic Organization, Chromosomal Mapping, and Promoter Analysis of the Mouse Dentin Sialophosphoprotein (Dspp) Gene, Which Codes for Both Dentin Sialoprotein and Dentin Phosphoprotein. <i>Journal of Biological Chemistry</i> , 1998, 273, 9457-9464.	1.6	194
62	Analysis of Tooth Development in Mice Bearing a TGF-β1 Null Mutation. <i>Connective Tissue Research</i> , 1995, 32, 41-46.	1.1	21
63	Dentin sialoprotein: biosynthesis and developmental appearance in rat tooth germs in comparison with amelogenins, osteocalcin and collagen type-I. <i>Cell and Tissue Research</i> , 1993, 272, 237-247.	1.5	84
64	Osteoblast-Specific Expression of the α2(I) Collagen Promoter in Transgenic Mice: Correlation with the Distribution of TGF-β1. <i>Journal of Bone and Mineral Research</i> , 1993, 8, 1127-1136.	3.1	32