

Ophir D Klein

List of Publications by Citations

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172
papers

7,552
citations

44
h-index

83
g-index

192
ext. papers

9,328
ext. citations

8.5
avg, IF

5.94
L-index

#	Paper	IF	Citations
172	A reserve stem cell population in small intestine renders Lgr5-positive cells dispensable. <i>Nature</i> , 2011 , 478, 255-9	50.4	820
171	The branching programme of mouse lung development. <i>Nature</i> , 2008 , 453, 745-50	50.4	568
170	In vitro generation of human pluripotent stem cell derived lung organoids. <i>ELife</i> , 2015 , 4,	8.9	442
169	Secretion of shh by a neurovascular bundle niche supports mesenchymal stem cell homeostasis in the adult mouse incisor. <i>Cell Stem Cell</i> , 2014 , 14, 160-73	18	264
168	Sprouty genes control diastema tooth development via bidirectional antagonism of epithelial-mesenchymal FGF signaling. <i>Developmental Cell</i> , 2006 , 11, 181-90	10.2	229
167	Sox2+ stem cells contribute to all epithelial lineages of the tooth via Sfrp5+ progenitors. <i>Developmental Cell</i> , 2012 , 23, 317-28	10.2	171
166	Inhibition of Wnt signaling by Wise (Sostdc1) and negative feedback from Shh controls tooth number and patterning. <i>Development (Cambridge)</i> , 2010 , 137, 3221-31	6.6	163
165	Lgr5-expressing cells are sufficient and necessary for postnatal mammary gland organogenesis. <i>Cell Reports</i> , 2013 , 3, 70-8	10.6	157
164	Transcriptome-wide Analysis Reveals Hallmarks of Human Intestine Development and Maturation In Vitro and In Vivo. <i>Stem Cell Reports</i> , 2015 ,	8	155
163	An FGF signaling loop sustains the generation of differentiated progeny from stem cells in mouse incisors. <i>Development (Cambridge)</i> , 2008 , 135, 377-85	6.6	137
162	Opposing activities of Notch and Wnt signaling regulate intestinal stem cells and gut homeostasis. <i>Cell Reports</i> , 2015 , 11, 33-42	10.6	128
161	Hedgehog signaling regulates the generation of ameloblast progenitors in the continuously growing mouse incisor. <i>Development (Cambridge)</i> , 2010 , 137, 3753-61	6.6	126
160	Sox2 marks epithelial competence to generate teeth in mammals and reptiles. <i>Development (Cambridge)</i> , 2013 , 140, 1424-32	6.6	124
159	Assessment of endometrial volume by three-dimensional ultrasound prior to embryo transfer: clues to endometrial receptivity. <i>Human Reproduction</i> , 1999 , 14, 2851-4	5.7	123
158	An FAK-YAP-mTOR Signaling Axis Regulates Stem Cell-Based Tissue Renewal in Mice. <i>Cell Stem Cell</i> , 2017 , 21, 91-106.e6	18	118
157	Parasitic helminths induce fetal-like reversion in the intestinal stem cell niche. <i>Nature</i> , 2018 , 559, 109-113	30.4	116
156	BMI1 represses Ink4a/Arf and Hox genes to regulate stem cells in the rodent incisor. <i>Nature Cell Biology</i> , 2013 , 15, 846-52	23.4	106

155	Engineered Tissue Folding by Mechanical Compaction of the Mesenchyme. <i>Developmental Cell</i> , 2018 , 44, 165-178.e6	10.2	95
154	A genome-wide association study identifies susceptibility loci for nonsyndromic sagittal craniosynostosis near BMP2 and within BBS9. <i>Nature Genetics</i> , 2012 , 44, 1360-4	36.3	93
153	Replaying evolutionary transitions from the dental fossil record. <i>Nature</i> , 2014 , 512, 44-8	50.4	83
152	Genome-Wide Association Study Reveals Multiple Loci Influencing Normal Human Facial Morphology. <i>PLoS Genetics</i> , 2016 , 12, e1006149	6	80
151	Mechanoresponsive stem cells acquire neural crest fate in jaw regeneration. <i>Nature</i> , 2018 , 563, 514-521	50.4	77
150	The Pitx2:miR-200c/141:noggin pathway regulates Bmp signaling and ameloblast differentiation. <i>Development (Cambridge)</i> , 2013 , 140, 3348-59	6.6	74
149	Patterning by heritage in mouse molar row development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 15497-502	11.5	73
148	Developmental disorders of the dentition: an update. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2013 , 163C, 318-32	3.1	72
147	Injectable bone tissue engineering using expanded mesenchymal stem cells. <i>Stem Cells</i> , 2013 , 31, 572-80	5.8	67
146	Oral epithelial stem cells in tissue maintenance and disease: the first steps in a long journey. <i>International Journal of Oral Science</i> , 2013 , 5, 121-9	27.9	64
145	Nuclear to cytoplasmic shuttling of ERK promotes differentiation of muscle stem/progenitor cells. <i>Development (Cambridge)</i> , 2014 , 141, 2611-20	6.6	59
144	The FaceBase Consortium: a comprehensive program to facilitate craniofacial research. <i>Developmental Biology</i> , 2011 , 355, 175-82	3.1	59
143	Signaling by FGFR2b controls the regenerative capacity of adult mouse incisors. <i>Development (Cambridge)</i> , 2010 , 137, 3743-52	6.6	59
142	Mutations of CXorf6 are associated with a range of severities of hypospadias. <i>European Journal of Endocrinology</i> , 2008 , 159, 453-8	6.5	59
141	From molecules to mastication: the development and evolution of teeth. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2013 , 2, 165-82	5.9	55
140	Genomewide Association Study of African Children Identifies Association of SCHIP1 and PDE8A with Facial Size and Shape. <i>PLoS Genetics</i> , 2016 , 12, e1006174	6	53
139	Induction of ectopic taste buds by SHH reveals the competency and plasticity of adult lingual epithelium. <i>Development (Cambridge)</i> , 2014 , 141, 2993-3002	6.6	51
138	Molecular and cellular mechanisms of tooth development, homeostasis and repair. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	49

137	Role of glutamine 17 of the bovine papillomavirus E5 protein in platelet-derived growth factor beta receptor activation and cell transformation. <i>Journal of Virology</i> , 1998 , 72, 8921-32	6.6	49
136	Developing and regenerating a sense of taste. <i>Current Topics in Developmental Biology</i> , 2015 , 111, 401-193	3.3	48
135	E-cadherin regulates the behavior and fate of epithelial stem cells and their progeny in the mouse incisor. <i>Developmental Biology</i> , 2012 , 366, 357-66	3.1	47
134	Regulation of tooth number by fine-tuning levels of receptor-tyrosine kinase signaling. <i>Development (Cambridge)</i> , 2011 , 138, 4063-73	6.6	47
133	Modulation of Fgf3 dosage in mouse and men mirrors evolution of mammalian dentition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 22364-8	11.5	46
132	FGF signaling regulates the number of posterior taste papillae by controlling progenitor field size. <i>PLoS Genetics</i> , 2011 , 7, e1002098	6	46
131	Stem cell and biomaterials research in dental tissue engineering and regeneration. <i>Dental Clinics of North America</i> , 2012 , 56, 495-520	3.3	45
130	Enamel-free teeth: Tbx1 deletion affects amelogenesis in rodent incisors. <i>Developmental Biology</i> , 2009 , 328, 493-505	3.1	45
129	On the cutting edge of organ renewal: Identification, regulation, and evolution of incisor stem cells. <i>Genesis</i> , 2014 , 52, 79-92	1.9	44
128	Genotype-phenotype analysis of the branchio-oculo-facial syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2011 , 155A, 22-32	2.5	44
127	Lgr5+IELocytes are a signaling source at the intestinal villus tip. <i>Nature Communications</i> , 2020 , 11, 1936	17.4	43
126	Dental cell type atlas reveals stem and differentiated cell types in mouse and human teeth. <i>Nature Communications</i> , 2020 , 11, 4816	17.4	42
125	Revitalization of a diastemal tooth primordium in Spry2 null mice results from increased proliferation and decreased apoptosis. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2009 , 312B, 292-308	1.8	41
124	Genomic variants of ATF3 in patients with hypospadias. <i>Journal of Urology</i> , 2008 , 180, 2183-8; discussion 2188	2.5	41
123	Sox2 and Lef-1 interact with Pitx2 to regulate incisor development and stem cell renewal. <i>Development (Cambridge)</i> , 2016 , 143, 4115-4126	6.6	41
122	Structural models of the bovine papillomavirus E5 protein		39
121	Fibroblast growth factor signaling in mammalian tooth development. <i>Odontology / the Society of the Nippon Dental University</i> , 2014 , 102, 1-13	3.6	37
120	Virocrine transformation: the intersection between viral transforming proteins and cellular signal transduction pathways. <i>Annual Review of Microbiology</i> , 1998 , 52, 397-421	17.5	37

119	Fgf8 dosage determines midfacial integration and polarity within the nasal and optic capsules. <i>Developmental Biology</i> , 2013 , 374, 185-97	3.1	36
118	Cellular aspect ratio and cell division mechanics underlie the patterning of cell progeny in diverse mammalian epithelia. <i>ELife</i> , 2018 , 7,	8.9	36
117	The FaceBase Consortium: a comprehensive resource for craniofacial researchers. <i>Development (Cambridge)</i> , 2016 , 143, 2677-88	6.6	35
116	Intrinsically disordered proteins drive enamel formation via an evolutionarily conserved self-assembly motif. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E1641-E1650	11.5	34
115	Feedback regulation of RTK signaling in development. <i>Developmental Biology</i> , 2019 , 447, 71-89	3.1	34
114	Human Facial Shape and Size Heritability and Genetic Correlations. <i>Genetics</i> , 2017 , 205, 967-978	4	33
113	Epithelial WNT Ligands Are Essential Drivers of Intestinal Stem Cell Activation. <i>Cell Reports</i> , 2018 , 22, 1003-1015	10.6	33
112	LRH-1 mitigates intestinal inflammatory disease by maintaining epithelial homeostasis and cell survival. <i>Nature Communications</i> , 2018 , 9, 4055	17.4	33
111	Atoh1 secretory progenitors possess renewal capacity independent of Lgr5 cells during colonic regeneration. <i>EMBO Journal</i> , 2019 , 38,	13	32
110	A large pool of actively cycling progenitors orchestrates self-renewal and injury repair of an ectodermal appendage. <i>Nature Cell Biology</i> , 2019 , 21, 1102-1112	23.4	32
109	SPRY1 regulates mammary epithelial morphogenesis by modulating EGFR-dependent stromal paracrine signaling and ECM remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5731-40	11.5	31
108	Abnormal Ras signaling in Costello syndrome (CS) negatively regulates enamel formation. <i>Human Molecular Genetics</i> , 2014 , 23, 682-92	5.6	31
107	Engineering synthetic morphogen systems that can program multicellular patterning. <i>Science</i> , 2020 , 370, 327-331	33.3	31
106	E-catenin inhibits YAP/TAZ activity to regulate signalling centre formation during tooth development. <i>Nature Communications</i> , 2016 , 7, 12133	17.4	30
105	Quantitative Clonal Analysis and Single-Cell Transcriptomics Reveal Division Kinetics, Hierarchy, and Fate of Oral Epithelial Progenitor Cells. <i>Cell Stem Cell</i> , 2019 , 24, 183-192.e8	18	30
104	PERP regulates enamel formation via effects on cell-cell adhesion and gene expression. <i>Journal of Cell Science</i> , 2011 , 124, 745-54	5.3	29
103	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, 60-9	2.1	29
102	The bovine papillomavirus E5 protein requires a juxtamembrane negative charge for activation of the platelet-derived growth factor beta receptor and transformation of C127 cells. <i>Journal of Virology</i> , 1999 , 73, 3264-72	6.6	29

101	Expression of microRNAs in the stem cell niche of the adult mouse incisor. <i>PLoS ONE</i> , 2011 , 6, e24536	3.7	29
100	Resolving stem and progenitor cells in the adult mouse incisor through gene co-expression analysis. <i>ELife</i> , 2017 , 6,	8.9	29
99	DLX4 is associated with orofacial clefting and abnormal jaw development. <i>Human Molecular Genetics</i> , 2015 , 24, 4340-52	5.6	28
98	Sprouty genes regulate proliferation and survival of human embryonic stem cells. <i>Scientific Reports</i> , 2013 , 3, 2277	4.9	27
97	Prominin-1 controls stem cell activation by orchestrating ciliary dynamics. <i>EMBO Journal</i> , 2019 , 38,	13	26
96	Human iPS Cell-Derived Neurons Uncover the Impact of Increased Ras Signaling in Costello Syndrome. <i>Journal of Neuroscience</i> , 2016 , 36, 142-52	6.6	25
95	Automatic recognition of the XLHED phenotype from facial images. <i>American Journal of Medical Genetics, Part A</i> , 2017 , 173, 2408-2414	2.5	24
94	Acute fatal presentation of ornithine transcarbamylase deficiency in a previously healthy male. <i>Hepatology International</i> , 2008 , 2, 390-4	8.8	24
93	Shh expression in a rudimentary tooth offers new insights into development of the mouse incisor. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2011 , 316, 347-58	1.8	22
92	microRNA miR-34a regulates cytodifferentiation and targets multi-signaling pathways in human dental papilla cells. <i>PLoS ONE</i> , 2012 , 7, e50090	3.7	22
91	Characterization of dental epithelial stem cells from the mouse incisor with two-dimensional and three-dimensional platforms. <i>Tissue Engineering - Part C: Methods</i> , 2013 , 19, 15-24	2.9	21
90	Migration of Founder Epithelial Cells Drives Proper Molar Tooth Positioning and Morphogenesis. <i>Developmental Cell</i> , 2015 , 35, 713-24	10.2	21
89	Continuously growing rodent molars result from a predictable quantitative evolutionary change over 50 million years. <i>Cell Reports</i> , 2015 , 11, 673-80	10.6	21
88	Coordinated activity of Spry1 and Spry2 is required for normal development of the external genitalia. <i>Developmental Biology</i> , 2014 , 386, 1-11	3.1	21
87	BCL11B regulates epithelial proliferation and asymmetric development of the mouse mandibular incisor. <i>PLoS ONE</i> , 2012 , 7, e37670	3.7	21
86	Structural models of the bovine papillomavirus E5 protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 1998 , 33, 601-12	4.2	20
85	Plasticity within the niche ensures the maintenance of a stem cell population in the mouse incisor. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	19
84	Craniofacial and dental development in Costello syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2014 , 164A, 1425-30	2.5	19

83	The dynamics of supernumerary tooth development are differentially regulated by Sprouty genes. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2013 , 320, 307-20	1.8	19
82	Intestinal renewal across the animal kingdom: comparing stem cell activity in mouse and <i>Drosophila</i> . <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 316, G313-G322	5.1	19
81	Automated syndrome diagnosis by three-dimensional facial imaging. <i>Genetics in Medicine</i> , 2020 , 22, 1682-1693	2.1693	17
80	FGF signalling controls the specification of hair placode-derived SOX9 positive progenitors to Merkel cells. <i>Nature Communications</i> , 2018 , 9, 2333	17.4	17
79	Heterogeneity within Stratified Epithelial Stem Cell Populations Maintains the Oral Mucosa in Response to Physiological Stress. <i>Cell Stem Cell</i> , 2019 , 25, 814-829.e6	18	17
78	Phenotypic and evolutionary implications of modulating the ERK-MAPK cascade using the dentition as a model. <i>Scientific Reports</i> , 2015 , 5, 11658	4.9	15
77	An integrated clinical program and crowdsourcing strategy for genomic sequencing and Mendelian disease gene discovery. <i>Npj Genomic Medicine</i> , 2018 , 3, 21	6.2	15
76	Craniofacial morphometric analysis of individuals with X-linked hypohidrotic ectodermal dysplasia. <i>Molecular Genetics & Genomic Medicine</i> , 2014 , 2, 422-9	2.3	15
75	Lineage tracing of epithelial cells in developing teeth reveals two strategies for building signaling centers. <i>Journal of Biological Chemistry</i> , 2017 , 292, 15062-15069	5.4	15
74	Temporal analysis of ectopic enamel production in incisors from sprouty mutant mice. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2009 , 312B, 473-85	1.8	15
73	The Interaction of Genetic Background and Mutational Effects in Regulation of Mouse Craniofacial Shape. <i>G3: Genes, Genomes, Genetics</i> , 2017 , 7, 1439-1450	3.2	14
72	Tools and Concepts for Interrogating and Defining Cellular Identity. <i>Cell Stem Cell</i> , 2020 , 26, 632-656	18	14
71	Body size and allometric variation in facial shape in children. <i>American Journal of Physical Anthropology</i> , 2018 , 165, 327-342	2.5	14
70	Isolation and culture of dental epithelial stem cells from the adult mouse incisor. <i>Journal of Visualized Experiments</i> , 2014 ,	1.6	13
69	Bones, Glands, Ears and More: The Multiple Roles of FGF10 in Craniofacial Development. <i>Frontiers in Genetics</i> , 2018 , 9, 542	4.5	13
68	Cell fate specification in the lingual epithelium is controlled by antagonistic activities of Sonic hedgehog and retinoic acid. <i>PLoS Genetics</i> , 2017 , 13, e1006914	6	12
67	Tooth, hair and claw: comparing epithelial stem cell niches of ectodermal appendages. <i>Experimental Cell Research</i> , 2014 , 325, 96-103	4.2	12
66	Interstitial deletion of chromosome 12q: genotype-phenotype correlation of two patients utilizing array comparative genomic hybridization. <i>American Journal of Medical Genetics, Part A</i> , 2005 , 138, 349-54	2.5	12

65	Tissue Mechanical Forces and Evolutionary Developmental Changes Act Through Space and Time to Shape Tooth Morphology and Function. <i>BioEssays</i> , 2018 , 40, e1800140	4.1	12
64	The intestinal epithelial response to damage. <i>Science China Life Sciences</i> , 2018 , 61, 1205-1211	8.5	12
63	SOX2 regulation by hedgehog signaling controls adult lingual epithelium homeostasis. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	12
62	From snapshots to movies: Understanding early tooth development in four dimensions. <i>Developmental Dynamics</i> , 2017 , 246, 442-450	2.9	11
61	LGR5 in breast cancer and ductal carcinoma in situ: a diagnostic and prognostic biomarker and a therapeutic target. <i>BMC Cancer</i> , 2020 , 20, 542	4.8	11
60	Dact1-3 mRNAs exhibit distinct expression domains during tooth development. <i>Gene Expression Patterns</i> , 2010 , 10, 140-3	1.5	11
59	Inhibition of Notch Signaling During Mouse Incisor Renewal Leads to Enamel Defects. <i>Journal of Bone and Mineral Research</i> , 2016 , 31, 152-62	6.3	11
58	FGF signaling refines Wnt gradients to regulate the patterning of taste papillae. <i>Development (Cambridge)</i> , 2017 , 144, 2212-2221	6.6	10
57	Characterization of X-linked hypohidrotic ectodermal dysplasia (XL-HED) hair and sweat gland phenotypes using phototrichogram analysis and live confocal imaging. <i>American Journal of Medical Genetics, Part A</i> , 2013 , 161A, 1585-93	2.5	10
56	Inflation-collapse dynamics drive patterning and morphogenesis in intestinal organoids. <i>Cell Stem Cell</i> , 2021 , 28, 1516-1532.e14	18	10
55	Use of organoids to study regenerative responses to intestinal damage. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, G845-G852	5.1	9
54	Clefting in trisomy 9p patients: genotype-phenotype correlation using microarray comparative genomic hybridization. <i>Journal of Craniofacial Surgery</i> , 2010 , 21, 1376-9	1.2	9
53	Case report: Y;6 translocation with deletion of 6p. <i>Clinical Dysmorphology</i> , 2005 , 14, 93-96	0.9	9
52	Expression of FGFs during early mouse tongue development. <i>Gene Expression Patterns</i> , 2016 , 20, 81-7	1.5	9
51	Sprouty2 regulates endochondral bone formation by modulation of RTK and BMP signaling. <i>Bone</i> , 2016 , 88, 170-179	4.7	9
50	Bmi1+ Progenitor Cell Dynamics in Murine Cornea During Homeostasis and Wound Healing. <i>Stem Cells</i> , 2018 , 36, 562-573	5.8	8
49	From Bench to Bedside and Back: Improving Diagnosis and Treatment of Craniofacial Malformations Utilizing Animal Models. <i>Current Topics in Developmental Biology</i> , 2015 , 115, 459-92	5.3	8
48	FaceBase 3: analytical tools and FAIR resources for craniofacial and dental research. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	8

47	EPHRIN-B1 Mosaicism Drives Cell Segregation in Craniofrontonasal Syndrome hiPSC-Derived Neuroepithelial Cells. <i>Stem Cell Reports</i> , 2017 , 8, 529-537	8	7
46	Embryonic Versus Adult Stem Cells 2015 , 249-262		7
45	Isl1 Controls Patterning and Mineralization of Enamel in the Continuously Renewing Mouse Incisor. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 2219-2231	6.3	7
44	Sonic Hedgehog Signaling Is Required for Cyp26 Expression during Embryonic Development. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
43	Modeling craniofacial and skeletal congenital birth defects to advance therapies. <i>Human Molecular Genetics</i> , 2016 , 25, R86-R93	5.6	6
42	Identification of novel Fgf enhancers and their role in dental evolution. <i>Evolution & Development</i> , 2016 , 18, 31-40	2.6	6
41	Transit-Amplifying Cells Coordinate Changes in Intestinal Epithelial Cell-Type Composition. <i>Developmental Cell</i> , 2021 , 56, 356-365.e9	10.2	6
40	From gut to glutes: The critical role of niche signals in the maintenance and renewal of adult stem cells. <i>Current Opinion in Cell Biology</i> , 2020 , 63, 88-101	9	5
39	Inductive ability of human developing and differentiated dental mesenchyme. <i>Cells Tissues Organs</i> , 2013 , 198, 99-110	2.1	5
38	Hyperplasia of interstitial cells of cajal in sprouty homolog 4 deficient mice. <i>PLoS ONE</i> , 2015 , 10, e0124867	5.7	5
37	Case report: Y;6 translocation with deletion of 6p. <i>Clinical Dysmorphology</i> , 2005 , 14, 93-96	0.9	5
36	Current trends in stem cell therapy for improvement of bone quality. <i>Histology and Histopathology</i> , 2014 , 29, 691-7	1.4	5
35	Spontaneous emergence of overgrown molar teeth in a colony of Prairie voles (<i>Microtus ochrogaster</i>). <i>International Journal of Oral Science</i> , 2015 , 7, 23-6	27.9	4
34	Fully Automatic Landmarking of Syndromic 3D Facial Surface Scans Using 2D Images. <i>Sensors</i> , 2020 , 20,	3.8	4
33	Developing physician-scientists in the fields of neonatology and pediatric critical care medicine: an effort to formulate a departmental policy. <i>Journal of Pediatrics</i> , 2013 , 163, 616-7.e1	3.6	4
32	The actin cytoskeleton governs apical mitosis and daughter cell dispersion in intestinal epithelia		4
31	Lgr5+ telocytes are a signaling hub at the intestinal villus tip		4
30	Asymmetric Stratification-Induced Polarity Loss and Coordinated Individual Cell Movements Drive Directional Migration of Vertebrate Epithelium. <i>Cell Reports</i> , 2020 , 33, 108246	10.6	4

29	MEK-inhibitor-mediated rescue of skeletal myopathy caused by activating Hras mutation in a Costello syndrome mouse model. <i>DMM Disease Models and Mechanisms</i> , 2022 , 15,	4.1	4
28	Watching a deep dive: Live imaging provides lessons about tooth invagination. <i>Journal of Cell Biology</i> , 2016 , 214, 645-7	7.3	3
27	If a stem cell dies in the crypt, and no one is around to see it <i>Cell Stem Cell</i> , 2013 , 12, 389-90	18	3
26	KrasP34R and KrasT58I mutations induce distinct RASopathy phenotypes in mice. <i>JCI Insight</i> , 2020 , 5,	9.9	3
25	FAM20B-catalyzed glycosaminoglycans control murine tooth number by restricting FGFR2b signaling. <i>BMC Biology</i> , 2020 , 18, 87	7.3	3
24	Brachydactylic multiple delta phalanges plus syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2005 , 138, 41-4	2.5	2
23	Microbial signals, MyD88, and lymphotoxin drive TNF-independent intestinal epithelial tissue damage.. <i>Journal of Clinical Investigation</i> , 2022 ,	15.9	2
22	Author response: Resolving stem and progenitor cells in the adult mouse incisor through gene co-expression analysis 2017 ,		2
21	Lactoferrin Reverses Methotrexate Driven Epithelial Barrier Defect by Inhibiting TGF- β Mediated Epithelial to Mesenchymal Transition		2
20	Large-scale open-source three-dimensional growth curves for clinical facial assessment and objective description of facial dysmorphism. <i>Scientific Reports</i> , 2021 , 11, 12175	4.9	2
19	Downregulation of FGF Signaling by Overexpression Leads to Shape Impairment, Enamel Irregularities, and Delayed Signaling Center Formation in the Mouse Molar. <i>JBMR Plus</i> , 2019 , 3, e10205	3.9	1
18	Generation of Knockout Gene-Edited Human Intestinal Organoids. <i>Methods in Molecular Biology</i> , 2020 , 2171, 215-230	1.4	1
17	Summary of the IADR Cariology Research, Craniofacial Biology, and Mineralized Tissue Groups Symposium, Igua \ddot{u} Falls, Brazil, June 2012: Gene-environment Interactions and Epigenetics in Oral Diseases: Enamel Formation and its Clinical Impact on Tooth Defects, Caries, and Erosion 2013 , 1,		1
16	Early perturbation of Wnt signaling reveals patterning and invagination-evagination control points in molar tooth development. <i>Development (Cambridge)</i> , 2021 , 148,	6.6	1
15	Case Report of Floating-Harbor Syndrome With Bilateral Cleft Lip. <i>Cleft Palate-Craniofacial Journal</i> , 2020 , 57, 132-136	1.9	1
14	LGL1 binds to Integrin β and inhibits downstream signaling to promote epithelial branching in the mammary gland.. <i>Cell Reports</i> , 2022 , 38, 110375	10.6	1
13	SRSF1 governs progenitor-specific alternative splicing to maintain adult epithelial tissue homeostasis and renewal.. <i>Developmental Cell</i> , 2022 ,	10.2	1
12	CNPY4 inhibits the Hedgehog pathway by modulating membrane sterol lipids.. <i>Nature Communications</i> , 2022 , 13, 2407	17.4	1

- 11 Application of full-genome analysis to diagnose rare monogenic disorders. *Npj Genomic Medicine*, **2021**, 6, 77 6.2 0
- 10 The society of craniofacial genetics and developmental biology 35th annual meeting **2013**, 161, 2938-2952
- 9 An Incisive Look at Stem Cells: The Mouse Incisor as an Emerging Model for Tooth Renewal **2013**, 315-327
- 8 Congenital Millerian anomalies: a review of currently available imaging modalities. *Ultrasound Review of Obstetrics and Gynecology*, **2002**, 2, 56-67
- 7 Inbred Background Effects On Craniofacial Shape Dymorphology In Mice With Spry Deletions. *FASEB Journal*, **2015**, 29, 697.2 0.9
- 6 Adult Stem Cells in Teeth. *Pancreatic Islet Biology*, **2014**, 199-216 0.4
- 5 The Pitx2:miR-200 Family Axis Regulates WNT and BMP Signaling During Tooth Morphogenesis and Renewal. *FASEB Journal*, **2013**, 27, 193.1 0.9
- 4 The UCSF Mouse Inventory Database Application, an Open Source Web App for Sharing Mutant Mice Within a Research Community. *G3: Genes, Genomes, Genetics*, **2020**, 10, 1503-1510 3.2
- 3 Enamel evolution: Back in time by a molecular manipulation **2016**, 201-202
- 2 Salivary gland: A budding genius. *Developmental Cell*, **2021**, 56, 2271-2272 10.2
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