Joy M Richman

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3070395/publications.pdf

Version: 2024-02-01

82	4,975	117619	91872
papers	citations	34 h-index	69 g-index

89	89	89	5090
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Retinoid Signaling Determines Germ Cell Fate in Mice. Science, 2006, 312, 596-600.	12.6	888
2	Targeted disruption of the Huntington's disease gene results in embryonic lethality and behavioral and morphological changes in heterozygotes. Cell, 1995, 81, 811-823.	28.9	758
3	The western painted turtle genome, a model for the evolution of extreme physiological adaptations in a slowly evolving lineage. Genome Biology, 2013, 14, R28.	9.6	276
4	Noggin and retinoic acid transform the identity of avian facial prominences. Nature, 2001, 414, 909-912.	27.8	157
5	Sox2 marks epithelial competence to generate teeth in mammals and reptiles. Development (Cambridge), 2013, 140, 1424-1432.	2.5	148
6	Design of lipid nanoparticles for in vitro and in vivo delivery of plasmid DNA. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1377-1387.	3.3	122
7	Chicken Transcription Factor AP-2: Cloning, Expression and Its Role in Outgrowth of Facial Prominences and Limb Buds. Developmental Biology, 1997, 188, 248-266.	2.0	120
8	Endogenous bone morphogenetic proteins regulate outgrowth and epithelial survival during avian lip fusion. Development (Cambridge), 2002, 129, 4647-4660.	2.5	114
9	Expression of fibroblast growth factor receptors (FGFR1, FGFR2, FGFR3) in the developing head and face. Developmental Dynamics, 1997, 210, 41-52.	1.8	102
10	Epithelia are interchangeable between facial primordia of chick embryos and morphogenesis is controlled by the mesenchyme. Developmental Biology, 1989, 136, 201-210.	2.0	100
11	A new origin for the maxillary jaw. Developmental Biology, 2004, 276, 207-224.	2.0	94
12	Embryonic development of Python sebae â€“ I: Staging criteria and macroscopic skeletal morphogenesis of the head and limbs. Zoology, 2007, 110, 212-230.	1.2	94
13	Identification of putative dental epithelial stem cells in a lizard with life-long tooth replacement. Development (Cambridge), 2010, 137, 3545-3549.	2.5	94
14	FGF signals from the nasal pit are necessary for normal facial morphogenesis. Developmental Biology, 2008, 318, 289-302.	2.0	89
15	Initiation and patterning of the snake dentition are dependent on Sonic Hedgehog signaling. Developmental Biology, 2008, 319, 132-145.	2.0	87
16	Reptilian tooth development. Genesis, 2011, 49, 247-260.	1.6	84
17	About face: Signals and genes controlling jaw patterning and identity in vertebrates. BioEssays, 2003, 25, 554-568.	2.5	80
18	Epithelial-mesenchymal interactions in the outgrowth of limb buds and facial primordia in chick embryos. Developmental Biology, 1992, 154, 299-308.	2.0	79

#	Article	IF	Citations
19	Autocrine and paracrine Shh signaling are necessary for tooth morphogenesis, but not tooth replacement in snakes and lizards (Squamata). Developmental Biology, 2010, 337, 171-186.	2.0	78
20	A network of Wnt, hedgehog and BMP signaling pathways regulates tooth replacement in snakes. Developmental Biology, 2010, 348, 130-141.	2.0	74
21	Control of retinoic acid synthesis and FGF expression in the nasal pit is required to pattern the craniofacial skeleton. Developmental Biology, 2004, 276, 313-329.	2.0	73
22	Expression of WNT signalling pathway genes during chicken craniofacial development. Developmental Dynamics, 2009, 238, 1150-1165.	1.8	73
23	Signalling via type IA and type IB bone morphogenetic protein receptors (BMPR) regulates intramembranous bone formation, chondrogenesis and feather formation in the chicken embryo. International Journal of Developmental Biology, 2002, 46, 243-53.	0.6	70
24	Effect of Fibroblast Growth Factors on Outgrowth of Facial Mesenchyme. Developmental Biology, 1997, 189, 135-147.	2.0	64
25	Biology of tooth replacement in amniotes. International Journal of Oral Science, 2013, 5, 66-70.	8.6	58
26	Endogenous bone morphogenetic proteins regulate outgrowth and epithelial survival during avian lip fusion. Development (Cambridge), 2002, 129, 4647-60.	2.5	57
27	Dual functions for WNT5A during cartilage development and in disease. Matrix Biology, 2013, 32, 252-264.	3.6	55
28	Embryonic development of Python sebae â€“ II: Craniofacial microscopic anatomy, cell proliferation and apoptosis. Zoology, 2007, 110, 231-251.	1.2	49
29	The fate of Meckel's cartilage chondrocytes in ocular culture. Developmental Biology, 1988, 129, 48-60.	2.0	47
30	Upper beak truncation in chicken embryos with thecleft primary palate mutation is due to an epithelial defect in the frontonasal mass. Developmental Dynamics, 2004, 230, 335-349.	1.8	43
31	Novel skeletogenic patterning roles for the olfactory pit. Development (Cambridge), 2009, 136, 219-229.	2.5	42
32	Comparative ontogeny and phylogeny of the upper jaw skeleton in amniotes. Developmental Dynamics, 2006, 235, 1230-1243.	1.8	39
33	Recent insights into the morphological diversity in the amniote primary and secondary palates. Developmental Dynamics, 2015, 244, 1457-1468.	1.8	39
34	Locally released retinoic acid repatterns the first branchial arch cartilages in vivo. Developmental Biology, 2000, 222, 12-26.	2.0	35
35	Unicuspid and bicuspid tooth crown formation in squamates. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2011, 316B, 598-608.	1.3	29
36	Craniofacial development: discoveries made in the chicken embryo. International Journal of Developmental Biology, 2018, 62, 97-107.	0.6	29

#	Article	IF	Citations
37	The function and regulation of TBX22 in avian frontonasal morphogenesis. Developmental Dynamics, 2010, 239, 458-473.	1.8	27
38	Divergent palate morphology in turtles and birds correlates with differences in proliferation and BMP2 expression during embryonic development. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2014, 322, 73-85.	1.3	26
39	Avian Facial Morphogenesis Is Regulated by c-Jun N-terminal Kinase/Planar Cell Polarity (JNK/PCP) Wingless-related (WNT) Signaling. Journal of Biological Chemistry, 2014, 289, 24153-24167.	3.4	25
40	Analysis of human soft palate morphogenesis supports regional regulation of palatal fusion. Journal of Anatomy, 2015, 227, 474-486.	1.5	25
41	Epithelium is required for maintaining FGFR-2 expression levels in facial mesenchyme of the developing chick embryo. , 1997, 210, 407-416.		23
42	Expression of the NET family member Zfp503 is regulated by hedgehog and BMP signaling in the limb. Developmental Dynamics, 2008, 237, 1172-1182.	1.8	22
43	Abnormal WNT5A Signaling Causes Mandibular Hypoplasia in Robinow Syndrome. Journal of Dental Research, 2017, 96, 1265-1272.	5.2	21
44	Methyltransferase G9A Regulates Osteogenesis viaTwistGene Repression. Journal of Dental Research, 2017, 96, 1136-1144.	5.2	21
45	Shedding new light on the mysteries of tooth eruption. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 353-355.	7.1	21
46	Craniofacial development: Knockout mice take one on the chin. Current Biology, 1996, 6, 364-367.	3.9	20
47	Expression and regulation of the decoy bone morphogenetic protein receptor BAMBI in the developing avian face. Developmental Dynamics, 2008, 237, 1500-1508.	1.8	20
48	Diversity in primary palate ontogeny of amniotes revealed with 3D imaging. Journal of Anatomy, 2015, 226, 420-433.	1.5	20
49	Spatiotemporal Localization of Periostin and Its Potential Role in Epithelial-Mesenchymal Transition during Palatal Fusion. Cells Tissues Organs, 2011, 193, 53-63.	2.3	18
50	Identification and functional analysis of novel facial patterning genes in the duplicated beak chicken embryo. Developmental Biology, 2015, 407, 275-288.	2.0	18
51	Isolation and characterisation of the chick orthologue of the Opitz syndrome gene, Mid1, supports a conserved role in vertebrate development. International Journal of Developmental Biology, 2002, 46, 441-8.	0.6	18
52	Whole genome microarray analysis of chicken embryo facial prominences. Developmental Dynamics, 2010, 239, 574-591.	1.8	17
53	The metalloendopeptidase gene Pitrm1 is regulated by hedgehog signaling in the developing mouse limb and is expressed in muscle progenitors. Developmental Dynamics, 2009, 238, 3175-3184.	1.8	16
54	The Role of Retinoids in Normal and Abnormal Embryonic Craniofacial Morphogenesis. Critical Reviews in Oral Biology and Medicine, 1992, 4, 93-109.	4.4	15

#	Article	IF	Citations
55	Evolutionary conservation and murine embryonic expression of the gene encoding the SERTA domain-containing protein CDCA4 (HEPP). Gene, 2006, 374, 153-165.	2.2	15
56	Development of high-concentration lipoplexes for in vivo gene function studies in vertebrate embryos. Developmental Dynamics, 2011, 240, 2108-2119.	1.8	12
57	Head Development: Craniofacial genetics makes headway. Current Biology, 1995, 5, 345-348.	3.9	11
58	Gene discovery in craniofacial development and disease - cashing in your chips. Clinical Genetics, 2007, 71, 109-119.	2.0	11
59	BMP signaling regulates the fate of chondroâ€osteoprogenitor cells in facial mesenchyme in a stageâ€specific manner. Developmental Dynamics, 2016, 245, 947-962.	1.8	11
60	Coordination of bilateral tooth replacement in the juvenile gecko is continuous with in ovo patterning. Evolution & Development, 2018, 20, 51-64.	2.0	11
61	MORN5 Expression during Craniofacial Development and Its Interaction with the BMP and TGFÎ² Pathways. Frontiers in Physiology, 2016, 7, 378.	2.8	9
62	Getting out of an egg: Merging of tooth germs to create an egg tooth in the snake. Developmental Dynamics, 2020, 249, 199-208.	1.8	9
63	The Effects of Premature Tooth Extraction and Damage on Replacement Timing in the Green Iguana. Integrative and Comparative Biology, 2020, 60, 581-593.	2.0	9
64	An immunofluorescence study of chondrogenesis in murine mandibular ectomesenchyme. Cell Differentiation, 1987, 21, 161-173.	0.4	8
65	Pannexin 3 is required for late stage bone growth but not for initiation of ossification in avian embryos. Developmental Dynamics, 2016, 245, 913-924.	1.8	7
66	Symmetry and fluctuation of cell movements in neural crest-derived facial mesenchyme. Development (Cambridge), 2021, 148, .	2.5	7
67	Tmem26 Is Dynamically Expressed during Palate and Limb Development but Is Not Required for Embryonic Survival. PLoS ONE, 2011, 6, e25228.	2.5	6
68	Analysis of facial skeletal asymmetry during foetal development using Î¼CT imaging. Orthodontics and Craniofacial Research, 2019, 22, 199-206.	2.8	6
69	Tooth Removal in the Leopard Gecko and the de novo Formation of Replacement Teeth. Frontiers in Physiology, 2021, 12, 576816.	2.8	5
70	Robinow syndrome skeletal phenotypes caused by the WNT5AC83S variant are due to dominant interference with chondrogenesis. Human Molecular Genetics, 2019, 28, 2395-2414.	2.9	4
71	Cell dissociation experiments reveal that positional information operates in the chicken frontonasal mass. Genesis, 2006, 44, 105-114.	1.6	3
72	Expression, function and regulation of Evi-1 during embryonic avian development. Gene Expression Patterns, 2013, 13, 343-353.	0.8	3

#	Article	IF	Citations
73	Synaptic localization of neuroligin 2 in the rodent retina: Comparative study with the dystroglycanâ€containing complex. Journal of Neuroscience Research, 2010, 88, 837-849.	2.9	2
74	Face Forward: Gene Variants, Pathways, and Therapies for Craniofacial Anomalies. Journal of Dental Research, 2017, 96, 1181-1183.	5.2	1
75	JDR Historical Highlights #10. Journal of Dental Research, 2019, 98, 1063-1065.	5.2	0
76	Congenital Craniofacial Abnormalities in Olive Ridley Sea Turtle Hatchlings. FASEB Journal, 2021, 35, .	0.5	0
77	Investigating the Effects of Frizzed2 Mutations on Craniofacial Skeletal Development. FASEB Journal, 2021, 35, .	0.5	0
78	Effects of of diseaseâ€causing DVL1 mutations on chondrogenesis in chicken limb mesenchyme. FASEB Journal, 2021, 35, .	0.5	0
79	Rebooting the Zahnreihen: Analysis of the Jawâ€wide Patterning cues in the Adult Gecko Dentition. FASEB Journal, 2018, 32, 239.1.	0.5	0
80	Disruption of continuous tooth replacement in squamates: Implications for tooth evolution and development. FASEB Journal, 2019, 33, 613.10.	0.5	0
81	The effect of diseaseâ€causing DVL1 mutations on chondrogenesis in chicken limb mesenchyme. FASEB Journal, 2022, 36, .	0.5	0
82	The role of cytoskeleton regulators in embryonic facial morphogenesis. FASEB Journal, 2022, 36, .	0.5	0