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List of Publications by Year
in descending order

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37 papers	2,514 citations	331670 21 h-index	330143 37 g-index
53 all docs	53 docs citations	53 times ranked	4242 citing authors

#	Article	IF	Citations
1	ECM microenvironment regulates collective migration and local dissemination in normal and malignant mammary epithelium. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2595-604.	7.1	369
2	Planar Cell Polarity Acts Through Septins to Control Collective Cell Movement and Ciliogenesis. Science, 2010, 329, 1337-1340.	12.6	309
3	Planar Cell Polarity: Coordinating Morphogenetic Cell Behaviors with Embryonic Polarity. Developmental Cell, 2011, 21, 120-133.	7.0	265
4	The planar cell polarity effector Fuz is essential for targeted membrane trafficking, ciliogenesis and mouse embryonic development. Nature Cell Biology, 2009, 11, 1225-1232.	10.3	196
5	A temporal requirement for Hippo signaling in mammary gland differentiation, growth, and tumorigenesis. Genes and Development, 2014, 28, 432-437.	5.9	187
6	Subcellular Localization and Signaling Properties of Dishevelled in Developing Vertebrate Embryos. Current Biology, 2005, 15, 1039-1044.	3.9	98
7	Loss of col8a1a function during zebrafish embryogenesis results in congenital vertebral malformations. Developmental Biology, 2014, 386, 72-85.	2.0	84
8	The relationship between terminal functionalization and molecular weight of a gene delivery polymer and transfection efficacy in mammary epithelial 2-D cultures and 3-D organotypic cultures. Biomaterials, 2010, 31, 8088-8096.	11.4	83
9	Gpr126/Adgrg6deletion in cartilage models idiopathic scoliosis and pectus excavatum in mice. Human Molecular Genetics, 2015, 24, 4365-4373.	2.9	82
10	Kinesin family member 6 (kif6) is necessary for spine development in zebrafish. Developmental Dynamics, 2014, 243, 1646-1657.	1.8	70
11	Cellular mechanisms regulating epithelial morphogenesis and cancer invasion. Current Opinion in Cell Biology, 2010, 22, 640-650.	5.4	60
12	A missense variant in SLC39A8 is associated with severe idiopathic scoliosis. Nature Communications, 2018, 9, 4171.	12.8	59
13	The Reissner Fiber Is Highly Dynamic InÂVivo and Controls Morphogenesis of the Spine. Current Biology, 2020, 30, 2353-2362.e3.	3.9	57
14	Zebrafish: An Emerging Model for Orthopedic Research. Journal of Orthopaedic Research, 2020, 38, 925-936.	2.3	52
15	Whole-Mount Fluorescence Immunocytochemistry on Xenopus Embryos. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot4957.	0.3	51
16	Dynein/dynactin is necessary for anterograde transport of Mbp mRNA in oligodendrocytes and for myelination in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9153-E9162.	7.1	47
17	Mutations in Kinesin family member 6 reveal specific role in ependymal cell ciliogenesis and human neurological development. PLoS Genetics, 2018, 14, e1007817.	3.5	45
18	Development of a straight vertebrate body axis. Development (Cambridge), 2020, 147, .	2.5	43

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19	High-Magnification In Vivo Imaging of Xenopus Embryos for Cell and Developmental Biology. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5427.	0.3	42
20	Diversification of the expression patterns and developmental functions of the dishevelled gene family during chordate evolution. Developmental Dynamics, 2009, 238, 2044-2057.	1.8	36
21	The developmental biology of kinesins. Developmental Biology, 2021, 469, 26-36.	2.0	33
22	The cartilage matrisome in adolescent idiopathic scoliosis. Bone Research, 2020, 8, 13.	11.4	31
23	Dysregulation of STAT3 signaling is associated with endplate-oriented herniations of the intervertebral disc in Adgrg6 mutant mice. PLoS Genetics, 2019, 15, e1008096.	3.5	24
24	Postembryonic screen for mutations affecting spine development in zebrafish. Developmental Biology, 2021, 471, 18-33.	2.0	24
25	Biomechanical interplay between anisotropic re-organization of cells and the surrounding matrix underlies transition to invasive cancer spread. Scientific Reports, 2018, 8, 14210.	3.3	19
26	Mutations in KIF7 implicated in idiopathic scoliosis in humans and axial curvatures in zebrafish. Human Mutation, 2021, 42, 392-407.	2.5	17
27	The expanding functional roles and signaling mechanisms of adhesion G proteinâ€“coupled receptors. Annals of the New York Academy of Sciences, 2019, 1456, 5-25.	3.8	16
28	Regulation of terminal hypertrophic chondrocyte differentiation in Prmt5 mutant mice modeling infantile idiopathic scoliosis. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	16
29	An adhesion G protein-coupled receptor is required in cartilaginous and dense connective tissues to maintain spine alignment. ELife, 2021, 10, .	6.0	15
30	Coding Variants Coupled With Rapid Modeling in Zebrafish Implicate Dynein Genes, dnaaf1 and zmynd10, as Adolescent Idiopathic Scoliosis Candidate Genes. Frontiers in Cell and Developmental Biology, 2020, 8, 582255.	3.7	12
31	Genomic characterization of the adolescent idiopathic scoliosis-associated transcriptome and regulome. Human Molecular Genetics, 2021, 29, 3606-3615.	2.9	12
32	A comparative study of the turnover of multiciliated cells in the mouse trachea, oviduct, and brain. Developmental Dynamics, 2020, 249, 898-905.	1.8	11
33	PRMT5 is necessary to form distinct cartilage identities in the knee and long bone. Developmental Biology, 2019, 456, 154-163.	2.0	10
34	Whole Genome Sequencing-Based Mapping and Candidate Identification of Mutations from Fixed Zebrafish Tissue. G3: Genes, Genomes, Genetics, 2017, 7, 3415-3425.	1.8	9
35	The axonemal dynein heavy chain 10 gene is essential for monocilia motility and spine alignment in zebrafish. Developmental Biology, 2022, 482, 82-90.	2.0	8
36	Kif9 is an active kinesin motor required for ciliary beating and proximodistal patterning of motile axonemes. Journal of Cell Science, 2023, 136, .	2.0	6

#	Article	IF	Citations
37	Genetic animal modeling for idiopathic scoliosis research: history and considerations. Spine Deformity, 2022, 10, 1003-1016.	1.5	3