

David M Ornitz

List of Publications by Year in descending order

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218
papers

33,051
citations

5126

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docs citations

231
times ranked

29624
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell surface, heparin-like molecules are required for binding of basic fibroblast growth factor to its high affinity receptor. <i>Cell</i> , 1991, 64, 841-848.	13.5	2,430
2	Fibroblast growth factors. <i>Genome Biology</i> , 2001, 2, reviews3005.1.	13.9	1,562
3	The Fibroblast Growth Factor signaling pathway. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2015, 4, 215-266.	5.9	1,492
4	Receptor Specificity of the Fibroblast Growth Factor Family. <i>Journal of Biological Chemistry</i> , 1996, 271, 15292-15297.	1.6	1,491
5	Receptor Specificity of the Fibroblast Growth Factor Family. <i>Journal of Biological Chemistry</i> , 2006, 281, 15694-15700.	1.6	986
6	Evolution of the Fgf and Fgfr gene families. <i>Trends in Genetics</i> , 2004, 20, 563-569.	2.9	941
7	Skeletal overgrowth and deafness in mice lacking fibroblast growth factor receptor 3. <i>Nature Genetics</i> , 1996, 12, 390-397.	9.4	828
8	FGF signaling pathways in endochondral and intramembranous bone development and human genetic disease. <i>Genes and Development</i> , 2002, 16, 1446-1465.	2.7	786
9	FGFs, heparan sulfate and FGFRs: complex interactions essential for development. <i>BioEssays</i> , 2000, 22, 108-112.	1.2	646
10	A Twist Code Determines the Onset of Osteoblast Differentiation. <i>Developmental Cell</i> , 2004, 6, 423-435.	3.1	619
11	Sequential roles of Hedgehog and Wnt signaling in osteoblast development. <i>Development (Cambridge)</i> , 2005, 132, 49-60.	1.2	593
12	Distinct macrophage lineages contribute to disparate patterns of cardiac recovery and remodeling in the neonatal and adult heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16029-16034.	3.3	576
13	Conditional inactivation of FGF receptor 2 reveals an essential role for FGF signaling in the regulation of osteoblast function and bone growth. <i>Development (Cambridge)</i> , 2003, 130, 3063-3074.	1.2	568
14	Fibroblast growth factors: from molecular evolution to roles in development, metabolism and disease. <i>Journal of Biochemistry</i> , 2011, 149, 121-130.	0.9	546
15	Male-to-Female Sex Reversal in Mice Lacking Fibroblast Growth Factor 9. <i>Cell</i> , 2001, 104, 875-889.	13.5	526
16	Graded activation of fibroblast growth factor receptor 3 by mutations causing achondroplasia and thanatophoric dysplasia. <i>Nature Genetics</i> , 1996, 13, 233-237.	9.4	482
17	Development of the Endochondral Skeleton. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a008334-a008334.	2.3	477
18	Vertebrate Slit, a Secreted Ligand for the Transmembrane Protein Roundabout, Is a Repellent for Olfactory Bulb Axons. <i>Cell</i> , 1999, 96, 807-818.	13.5	431

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19	Coordination of chondrogenesis and osteogenesis by fibroblast growth factor 18. <i>Genes and Development</i> , 2002, 16, 859-869.	2.7	421
20	Twist Regulates Cytokine Gene Expression through a Negative Feedback Loop that Represses NF- κ B Activity. <i>Cell</i> , 2003, 112, 169-180.	13.5	417
21	Interaction of FGF, Ihh/Pthlh, and BMP Signaling Integrates Chondrocyte Proliferation and Hypertrophic Differentiation. <i>Developmental Cell</i> , 2002, 3, 439-449.	3.1	414
22	Conserved Roles for Slit and Robo Proteins in Midline Commissural Axon Guidance. <i>Neuron</i> , 2004, 42, 213-223.	3.8	402
23	Functional evolutionary history of the mouse <i>Fgf</i> gene family. <i>Developmental Dynamics</i> , 2008, 237, 18-27.	0.8	352
24	Endocardial and Epicardial Derived FGF Signals Regulate Myocardial Proliferation and Differentiation In Vivo. <i>Developmental Cell</i> , 2005, 8, 85-95.	3.1	341
25	FGF signaling in the developing endochondral skeleton. <i>Cytokine and Growth Factor Reviews</i> , 2005, 16, 205-213.	3.2	323
26	Physiological degradation converts the soluble syndecan-1 ectodomain from an inhibitor to a potent activator of FGF-2. <i>Nature Medicine</i> , 1998, 4, 691-697.	15.2	322
27	Fibroblast growth factor signaling in skeletal development and disease. <i>Genes and Development</i> , 2015, 29, 1463-1486.	2.7	299
28	Mutations that Cause Osteoglophonic Dysplasia Define Novel Roles for FGFR1 in Bone Elongation. <i>American Journal of Human Genetics</i> , 2005, 76, 361-367.	2.6	295
29	Lung hypoplasia and neonatal death in <i>Fgf9</i> -null mice identify this gene as an essential regulator of lung mesenchyme. <i>Development (Cambridge)</i> , 2001, 128, 2095-2106.	1.2	285
30	The Mouse SLIT Family: Secreted Ligands for ROBO Expressed in Patterns That Suggest a Role in Morphogenesis and Axon Guidance. <i>Developmental Biology</i> , 1999, 212, 290-306.	0.9	278
31	Pancreatic neoplasia induced by ras expression in acinar cells of transgenic mice. <i>Cell</i> , 1987, 48, 1023-1034.	13.5	273
32	Fgf9 from dermal β 1 T cells induces hair follicle neogenesis after wounding. <i>Nature Medicine</i> , 2013, 19, 916-923.	15.2	272
33	FGF9 and FGF20 Maintain the Stemness of Nephron Progenitors in Mice and Man. <i>Developmental Cell</i> , 2012, 22, 1191-1207.	3.1	268
34	Specific expression of an elastase-human growth hormone fusion gene in pancreatic acinar cells of transgenic mice. <i>Nature</i> , 1985, 313, 600-602.	13.7	253
35	FGF22 and Its Close Relatives Are Presynaptic Organizing Molecules in the Mammalian Brain. <i>Cell</i> , 2004, 118, 257-270.	13.5	251
36	Fgf9 induces proliferation and nuclear localization of FGFR2 in Sertoli precursors during male sex determination. <i>Development (Cambridge)</i> , 2004, 131, 3627-3636.	1.2	236

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37	FGF21 Regulates Metabolism Through Adipose-Dependent and -Independent Mechanisms. <i>Cell Metabolism</i> , 2017, 25, 935-944.e4.	7.2	229
38	Fibroblast Growth Factor (FGF) Homologous Factors Share Structural but Not Functional Homology with FGFs. <i>Journal of Biological Chemistry</i> , 2003, 278, 34226-34236.	1.6	221
39	Fibroblast Growth Factor Homologous Factors Control Neuronal Excitability through Modulation of Voltage-Gated Sodium Channels. <i>Neuron</i> , 2007, 55, 449-463.	3.8	220
40	Fibroblast growth factor signals regulate a wave of Hedgehog activation that is essential for coronary vascular development. <i>Genes and Development</i> , 2006, 20, 1651-1666.	2.7	214
41	Genomic organization and embryonic expression of the mouse fibroblast growth factor 9 gene. <i>Developmental Dynamics</i> , 1999, 216, 72-88.	0.8	203
42	FGF9 and SHH signaling coordinate lung growth and development through regulation of distinct mesenchymal domains. <i>Development (Cambridge)</i> , 2006, 133, 1507-1517.	1.2	198
43	Analysis of the Biochemical Mechanisms for the Endocrine Actions of Fibroblast Growth Factor-23. <i>Endocrinology</i> , 2005, 146, 4647-4656.	1.4	192
44	FGF signaling in skeletal development. <i>Frontiers in Bioscience - Landmark</i> , 1998, 3, d781-794.	3.0	188
45	FGF18 is required for early chondrocyte proliferation, hypertrophy and vascular invasion of the growth plate. <i>Developmental Biology</i> , 2007, 302, 80-91.	0.9	178
46	Ataxia and Paroxysmal Dyskinesia in Mice Lacking Axonally Transported FGF14. <i>Neuron</i> , 2002, 35, 25-38.	3.8	173
47	Abnormalities in cartilage and bone development in the Apert syndrome <i>FGFR2+/S252W</i> mouse. <i>Development (Cambridge)</i> , 2005, 132, 3537-3548.	1.2	172
48	Fibroblast growth factor 14 is an intracellular modulator of voltage-gated sodium channels. <i>Journal of Physiology</i> , 2005, 569, 179-193.	1.3	169
49	Fibroblast growth factor receptor 1 signaling in the osteo-chondrogenic cell lineage regulates sequential steps of osteoblast maturation. <i>Developmental Biology</i> , 2006, 296, 315-328.	0.9	167
50	Achondroplasia: Development, pathogenesis, and therapy. <i>Developmental Dynamics</i> , 2017, 246, 291-309.	0.8	160
51	<i>Osx-Cre</i> Targets Multiple Cell Types besides Osteoblast Lineage in Postnatal Mice. <i>PLoS ONE</i> , 2014, 9, e85161.	1.1	158
52	Fibroblast growth factor receptor signaling is essential for lens fiber cell differentiation. <i>Developmental Biology</i> , 2008, 318, 276-288.	0.9	149
53	<i>Fgfr3</i> expression by astrocytes and their precursors: evidence that astrocytes and oligodendrocytes originate in distinct neuroepithelial domains. <i>Development (Cambridge)</i> , 2003, 130, 93-102.	1.2	148
54	<i>Runx2</i> inhibits chondrocyte proliferation and hypertrophy through its expression in the perichondrium. <i>Genes and Development</i> , 2006, 20, 2937-2942.	2.7	145

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55	FGF9 regulates early hypertrophic chondrocyte differentiation and skeletal vascularization in the developing stylopod. <i>Developmental Biology</i> , 2007, 307, 300-313.	0.9	133
56	FGF signalling generates ventral telencephalic cells independently of SHH. <i>Development (Cambridge)</i> , 2006, 133, 2937-2946.	1.2	132
57	The <i>FGF14^{F145S}</i> Mutation Disrupts the Interaction of FGF14 with Voltage-Gated Na ⁺ Channels and Impairs Neuronal Excitability. <i>Journal of Neuroscience</i> , 2007, 27, 12033-12044.	1.7	131
58	FGF9 and SHH regulate mesenchymal <i>Vegfa</i> expression and development of the pulmonary capillary network. <i>Development (Cambridge)</i> , 2007, 134, 3743-3752.	1.2	131
59	A genetic model for a central (septum transversum) congenital diaphragmatic hernia in mice lacking <i>Slit3</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5217-5222.	3.3	127
60	An FGF-WNT gene regulatory network controls lung mesenchyme development. <i>Developmental Biology</i> , 2008, 319, 426-436.	0.9	127
61	<i>Fgf20</i> governs formation of primary and secondary dermal condensations in developing hair follicles. <i>Genes and Development</i> , 2013, 27, 450-458.	2.7	126
62	Crystal Structure of a Fibroblast Growth Factor Homologous Factor (FHF) Defines a Conserved Surface on FHFs for Binding and Modulation of Voltage-gated Sodium Channels. <i>Journal of Biological Chemistry</i> , 2009, 284, 17883-17896.	1.6	121
63	Defective bone mineralization and osteopenia in young adult <i>FGFR3</i> ^{-/-} mice. <i>Human Molecular Genetics</i> , 2003, 13, 271-284.	1.4	118
64	FGF14 N-terminal splice variants differentially modulate Nav1.2 and Nav1.6-encoded sodium channels. <i>Molecular and Cellular Neurosciences</i> , 2009, 42, 90-101.	1.0	117
65	Fibroblast growth factor receptors 1 and 2 in keratinocytes control the epidermal barrier and cutaneous homeostasis. <i>Journal of Cell Biology</i> , 2010, 188, 935-952.	2.3	116
66	Patterning the optic neuroepithelium by FGF signaling and Ras activation. <i>Development (Cambridge)</i> , 2001, 128, 5051-5060.	1.2	115
67	Development and Maintenance of Otoconia. <i>Annals of the New York Academy of Sciences</i> , 2001, 942, 162-178.	1.8	112
68	FGF14 regulates the intrinsic excitability of cerebellar Purkinje neurons. <i>Neurobiology of Disease</i> , 2009, 33, 81-88.	2.1	112
69	Non-syndromic vestibular disorder with otoconial agenesis in tilted/mergulhador mice caused by mutations in <i>otopetrin 1</i> . <i>Human Molecular Genetics</i> , 2003, 12, 777-789.	1.4	111
70	FGF signaling regulates mesenchymal differentiation and skeletal patterning along the limb bud proximodistal axis. <i>Development (Cambridge)</i> , 2008, 135, 483-491.	1.2	111
71	Endothelial cell FGF signaling is required for injury response but not for vascular homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13379-13384.	3.3	111
72	Differential regulation of endochondral bone growth and joint development by <i>FGFR1</i> and <i>FGFR3</i> tyrosine kinase domains. <i>Development (Cambridge)</i> , 2001, 128, 3867-3876.	1.2	105

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73	FGF9 monomer-dimer equilibrium regulates extracellular matrix affinity and tissue diffusion. <i>Nature Genetics</i> , 2009, 41, 289-298.	9.4	104
74	Mesothelial- and epithelial-derived FGF9 have distinct functions in the regulation of lung development. <i>Development (Cambridge)</i> , 2011, 138, 3169-3177.	1.2	103
75	Stromal-Initiated Changes in the Bone Promote Metastatic Niche Development. <i>Cell Reports</i> , 2016, 14, 82-92.	2.9	103
76	Otopetrin 1 is required for otolith formation in the zebrafish <i>Danio rerio</i> . <i>Developmental Biology</i> , 2004, 276, 391-402.	0.9	100
77	Genomic structure, mapping, activity and expression of fibroblast growth factor 17. <i>Mechanisms of Development</i> , 1999, 83, 165-178.	1.7	98
78	Fibroblast growth factor receptor 2 tyrosine kinase is required for prostatic morphogenesis and the acquisition of strict androgen dependency for adult tissue homeostasis. <i>Development (Cambridge)</i> , 2007, 134, 723-734.	1.2	98
79	Heparin-induced Self-association of Fibroblast Growth Factor-2. <i>Journal of Biological Chemistry</i> , 1997, 272, 16382-16389.	1.6	97
80	Differentiation of the Lateral Compartment of the Cochlea Requires a Temporally Restricted FGF20 Signal. <i>PLoS Biology</i> , 2012, 10, e1001231.	2.6	97
81	FGF receptors 1 and 2 are key regulators of keratinocyte migration <i>in vitro</i> and in wounded skin. <i>Journal of Cell Science</i> , 2012, 125, 5690-5701.	1.2	96
82	Fibroblast Growth Factor Receptor 3 Signaling Regulates the Onset of Oligodendrocyte Terminal Differentiation. <i>Journal of Neuroscience</i> , 2003, 23, 883-894.	1.7	93
83	FGF10/FGFR2b signaling is essential for cardiac fibroblast development and growth of the myocardium. <i>Development (Cambridge)</i> , 2011, 138, 3331-3340.	1.2	93
84	Otoconial agenesis in tilted mutant mice. <i>Hearing Research</i> , 1998, 122, 60-70.	0.9	92
85	Stat1 Controls Postnatal Bone Formation by Regulating Fibroblast Growth Factor Signaling in Osteoblasts. <i>Journal of Biological Chemistry</i> , 2004, 279, 27743-27752.	1.6	92
86	Fibroblast growth factor expression during skeletal fracture healing in mice. <i>Developmental Dynamics</i> , 2009, 238, 766-774.	0.8	92
87	Dermal Condensate Niche Fate Specification Occurs Prior to Formation and Is Placode Progenitor Dependent. <i>Developmental Cell</i> , 2019, 48, 32-48.e5.	3.1	91
88	Mixing model systems: Using zebrafish and mouse inner ear mutants and other organ systems to unravel the mystery of otoconial development. <i>Brain Research</i> , 2006, 1091, 58-74.	1.1	90
89	Bone morphogenetic protein receptor 1A signaling is dispensable for hematopoietic development but essential for vessel and atrioventricular endocardial cushion formation. <i>Development (Cambridge)</i> , 2006, 133, 3473-3484.	1.2	89
90	Hedgehog signaling is critical for maintenance of the adult coronary vasculature in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 2404-14.	3.9	89

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91	Expression and Biological Activity of Mouse Fibroblast Growth Factor-9. <i>Journal of Biological Chemistry</i> , 1996, 271, 1726-1731.	1.6	87
92	Subcellular and developmental expression of alternatively spliced forms of fibroblast growth factor 14. <i>Mechanisms of Development</i> , 2000, 90, 283-287.	1.7	85
93	Fibroblast Growth Factor Receptors Cooperate to Regulate Neural Progenitor Properties in the Developing Midbrain and Hindbrain. <i>Journal of Neuroscience</i> , 2007, 27, 8581-8592.	1.7	85
94	Impaired spatial learning and defective theta burst induced LTP in mice lacking fibroblast growth factor 14. <i>Neurobiology of Disease</i> , 2007, 26, 14-26.	2.1	81
95	Ectodysplasin regulates activator-inhibitor balance in murine tooth development through Fgf20 signaling. <i>Development (Cambridge)</i> , 2012, 139, 3189-3199.	1.2	81
96	Fgf9 signaling regulates inner ear morphogenesis through epithelial-mesenchymal interactions. <i>Developmental Biology</i> , 2004, 273, 350-360.	0.9	78
97	Regulation of Osteocalcin Gene Expression by a Novel Ku Antigen Transcription Factor Complex. <i>Journal of Biological Chemistry</i> , 2002, 277, 37280-37291.	1.6	75
98	Fibroblast Growth Factor 2 Is Required for Epithelial Recovery, but Not for Pulmonary Fibrosis, in Response to Bleomycin. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 52, 116-128.	1.4	75
99	Impaired hippocampal synaptic transmission and plasticity in mice lacking fibroblast growth factor 14. <i>Molecular and Cellular Neurosciences</i> , 2007, 34, 366-377.	1.0	74
100	Hedgehog signaling to distinct cell types differentially regulates coronary artery and vein development. <i>Development (Cambridge)</i> , 2008, 135, 3161-3171.	1.2	74
101	Reciprocal epithelial-mesenchymal FGF signaling is required for cecal development. <i>Development (Cambridge)</i> , 2006, 133, 173-180.	1.2	73
102	Fgf9 signaling regulates small intestinal elongation and mesenchymal development. <i>Development (Cambridge)</i> , 2008, 135, 2959-2968.	1.2	73
103	Analysis of a gain-of-function FGFR2 Crouzon mutation provides evidence of loss of function activity in the etiology of cleft palate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2515-2520.	3.3	70
104	Mapping Ligand Binding Domains in Chimeric Fibroblast Growth Factor Receptor Molecules. <i>Journal of Biological Chemistry</i> , 1999, 274, 34785-34794.	1.6	68
105	Sulfated Hydrogel Matrices Direct Mitogenicity and Maintenance of Chondrocyte Phenotype through Activation of FGF Signaling. <i>Advanced Functional Materials</i> , 2016, 26, 3649-3662.	7.8	68
106	Transplanted Oligodendrocyte Progenitor Cells Expressing a Dominant-Negative FGF Receptor Transgene Fail to Migrate <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 1997, 17, 9122-9132.	1.7	67
107	Expression of FGFR3 with the G380R Achondroplasia Mutation Inhibits Proliferation and Maturation of CFK2 Chondrocytic Cells. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 155-165.	3.1	67
108	Signaling through FGF receptor-2 is required for lens cell survival and for withdrawal from the cell cycle during lens fiber cell differentiation. <i>Developmental Dynamics</i> , 2005, 233, 516-527.	0.8	67

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109	Heparan and chondroitin sulfate on growth plate perlecan mediate binding and delivery of FGF-2 to FGF receptors. <i>Matrix Biology</i> , 2007, 26, 175-184.	1.5	67
110	Fibroblast growth factor 2 decreases bleomycin-induced pulmonary fibrosis and inhibits fibroblast collagen production and myofibroblast differentiation. <i>Journal of Pathology</i> , 2018, 246, 54-66.	2.1	65
111	Signaling Networks Regulating Development of the Lower Respiratory Tract. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a008318-a008318.	2.3	64
112	Cochlear progenitor number is controlled through mesenchymal FGF receptor signaling. <i>ELife</i> , 2015, 4, .	2.8	63
113	Overlapping Expression and Redundant Activation of Mesenchymal Fibroblast Growth Factor (FGF) Receptors by Alternatively Spliced FGF-8 Ligands. <i>Journal of Biological Chemistry</i> , 1997, 272, 3733-3738.	1.6	62
114	Signalling by fibroblast growth factor receptor 3 and parathyroid hormone-related peptide coordinate cartilage and bone development. <i>Bone</i> , 2004, 34, 13-25.	1.4	61
115	Intracellular FGF14 (iFGF14) Is Required for Spontaneous and Evoked Firing in Cerebellar Purkinje Neurons and for Motor Coordination and Balance. <i>Journal of Neuroscience</i> , 2015, 35, 6752-6769.	1.7	61
116	Identification of the Cytoplasmic Regions of Fibroblast Growth Factor (FGF) Receptor 1 Which Play Important Roles in Induction of Neurite Outgrowth in PC12 Cells by FGF-1. <i>Molecular and Cellular Biology</i> , 1998, 18, 3762-3770.	1.1	60
117	Histomorphological study of palatal shelf elevation during murine secondary palate formation. <i>Developmental Dynamics</i> , 2011, 240, 1737-1744.	0.8	59
118	FGF signaling in the osteoprogenitor lineage non-autonomously regulates postnatal chondrocyte proliferation and skeletal growth. <i>Development (Cambridge)</i> , 2016, 143, 1811-22.	1.2	56
119	Delineating a Conserved Genetic Cassette Promoting Outgrowth of Body Appendages. <i>PLoS Genetics</i> , 2013, 9, e1003231.	1.5	55
120	Injury-Mediated Vascular Regeneration Requires Endothelial ER71/ETV2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 86-96.	1.1	54
121	A combined series of Fgf9 and Fgf18 mutant alleles identifies unique and redundant roles in skeletal development. <i>Developmental Biology</i> , 2016, 411, 72-84.	0.9	52
122	New developments in the biology of fibroblast growth factors. <i>WIREs Mechanisms of Disease</i> , 2022, 14, e1549.	1.5	52
123	Shared Circuitry. <i>Circulation Research</i> , 2009, 104, 159-169.	2.0	51
124	Fibroblast growth factors and Hedgehogs: at the heart of the epicardial signaling center. <i>Trends in Genetics</i> , 2008, 24, 33-40.	2.9	50
125	Pulmonary fibrosis requires cell-autonomous mesenchymal fibroblast growth factor (FGF) signaling. <i>Journal of Biological Chemistry</i> , 2017, 292, 10364-10378.	1.6	50
126	Model for the Pharmacologic Treatment of Crouzon Syndrome. <i>Neurosurgery</i> , 2006, 59, 210-215.	0.6	49

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127	Rapid Induction of Lung Adenocarcinoma by Fibroblast Growth Factor 9 Signaling through FGF Receptor 3. <i>Cancer Research</i> , 2013, 73, 5730-5741.	0.4	49
128	Regulation of the Fibroblast Growth Factor Receptor 3 Promoter and Intron I Enhancer by Sp1 Family Transcription Factors. <i>Journal of Biological Chemistry</i> , 1998, 273, 5349-5357.	1.6	48
129	FGF14 localization and organization of the axon initial segment. <i>Molecular and Cellular Neurosciences</i> , 2013, 56, 393-403.	1.0	48
130	FGF Receptors 1 and 2 Control Chemically Induced Injury and Compound Detoxification in Regenerating Livers of Mice. <i>Gastroenterology</i> , 2010, 139, 1385-1396.e8.	0.6	47
131	Effect of FGF/FGFR pathway blocking on lung adenocarcinoma and its cancer-associated fibroblasts. <i>Journal of Pathology</i> , 2019, 249, 193-205.	2.1	47
132	Microscale analysis of proteins in inner ear tissues and fluids with emphasis on endolymphatic sac, otoconia, and organ of Corti. <i>Electrophoresis</i> , 2006, 27, 1598-1608.	1.3	46
133	Fibroblast growth factors in skeletal development. <i>Current Topics in Developmental Biology</i> , 2019, 133, 195-234.	1.0	46
134	β -catenin deficiency causes DiGeorge syndrome-like phenotypes through regulation of Tbx1. <i>Development (Cambridge)</i> , 2010, 137, 1137-1147.	1.2	45
135	Healing of non-displaced fractures produced by fatigue loading of the mouse ulna. <i>Bone</i> , 2010, 46, 1604-1612.	1.4	45
136	Inhibition or Activation of Apert Syndrome FGFR2 (S252W) Signaling by Specific Glycosaminoglycans. <i>Journal of Biological Chemistry</i> , 2006, 281, 6924-6930.	1.6	44
137	Homodimerization Controls the Fibroblast Growth Factor 9 Subfamily's Receptor Binding and Heparan Sulfate-Dependent Diffusion in the Extracellular Matrix. <i>Molecular and Cellular Biology</i> , 2009, 29, 4663-4678.	1.1	44
138	FGFR2 Is Required for AEC2 Homeostasis and Survival after Bleomycin-induced Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 62, 608-621.	1.4	44
139	FGF9 and FGF10 activate distinct signaling pathways to direct lung epithelial specification and branching. <i>Science Signaling</i> , 2020, 13, .	1.6	43
140	Endothelial fibroblast growth factor receptor signaling is required for vascular remodeling following cardiac ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H559-H571.	1.5	41
141	Regulation of Cellular Calcium in Vestibular Supporting Cells by Otopetrin 1. <i>Journal of Neurophysiology</i> , 2010, 104, 3439-3450.	0.9	40
142	Fibroblast Growth Factor 9 Regulation by MicroRNAs Controls Lung Development and Links DICER1 Loss to the Pathogenesis of Pleuropulmonary Blastoma. <i>PLoS Genetics</i> , 2015, 11, e1005242.	1.5	38
143	Otopetrin 1 activation by purinergic nucleotides regulates intracellular calcium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12023-12028.	3.3	37
144	Regulation of Chondrocyte Growth and Differentiation by Fibroblast Growth Factor Receptor 3. <i>Novartis Foundation Symposium</i> , 2008, 232, 63-80.	1.2	36

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145	Fibroblast Growth Factor Receptor 1 Signaling in Adult Cardiomyocytes Increases Contractility and Results in a Hypertrophic Cardiomyopathy. <i>PLoS ONE</i> , 2013, 8, e82979.	1.1	36
146	Missense mutations in Otopetrin 1 affect subcellular localization and inhibition of purinergic signaling in vestibular supporting cells. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 655-661.	1.0	34
147	The Fibroblast Growth Factor Receptor-1 Is Necessary for the Induction of Neurite Outgrowth in PC12 Cells by aFGF. <i>Journal of Neuroscience</i> , 1996, 16, 4579-4587.	1.7	33
148	Clec16a is Critical for Autolysosome Function and Purkinje Cell Survival. <i>Scientific Reports</i> , 2016, 6, 23326.	1.6	31
149	Identification of the Otopetrin Domain, a conserved domain in vertebrate otopetrins and invertebrate otopetrin-like family members. <i>BMC Evolutionary Biology</i> , 2008, 8, 41.	3.2	30
150	Region-specific regulation of cell proliferation by FGF receptor signaling during the Wolffian duct development. <i>Developmental Biology</i> , 2015, 400, 139-147.	0.9	30
151	Identification of an FGF18-expressing alveolar myofibroblast that is developmentally cleared during alveologenesis. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	30
152	In Vitro Calcite Crystal Morphology Is Modulated by Otoconial Proteins Otolin-1 and Otoconin-90. <i>PLoS ONE</i> , 2014, 9, e95333.	1.1	28
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