

Randall T Moon

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309
papers

42,390
citations

108
h-index

203
g-index

395
ext. papers

45,579
ext. citations

11.7
avg, IF

7.37
L-index

#	Paper	IF	Citations
309	WNT and beta-catenin signalling: diseases and therapies. <i>Nature Reviews Genetics</i> , 2004 , 5, 691-701	30.1	1524
308	WNT signalling pathways as therapeutic targets in cancer. <i>Nature Reviews Cancer</i> , 2013 , 13, 11-26	31.3	1435
307	A second canon. Functions and mechanisms of beta-catenin-independent Wnt signaling. <i>Developmental Cell</i> , 2003 , 5, 367-77	10.2	1138
306	The axis-inducing activity, stability, and subcellular distribution of beta-catenin is regulated in <i>Xenopus</i> embryos by glycogen synthase kinase 3. <i>Genes and Development</i> , 1996 , 10, 1443-54	12.6	936
305	The promise and perils of Wnt signaling through beta-catenin. <i>Science</i> , 2002 , 296, 1644-6	33.3	862
304	Proximal events in Wnt signal transduction. <i>Nature Reviews Molecular Cell Biology</i> , 2009 , 10, 468-77	48.7	846
303	The Wnt/Ca ²⁺ pathway: a new vertebrate Wnt signaling pathway takes shape. <i>Trends in Genetics</i> , 2000 , 16, 279-83	8.5	757
302	Zebrafish prickles, a modulator of noncanonical Wnt/Fz signaling, regulates gastrulation movements. <i>Current Biology</i> , 2003 , 13, 680-5	6.3	719
301	A small molecule inhibitor of beta-catenin/CREB-binding protein transcription [corrected]. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 12682-7	11.5	707
300	Disrupted in schizophrenia 1 regulates neuronal progenitor proliferation via modulation of GSK3beta/beta-catenin signaling. <i>Cell</i> , 2009 , 136, 1017-31	56.2	618
299	Mechanism and function of signal transduction by the Wnt/beta-catenin and Wnt/Ca ²⁺ pathways. <i>Oncogene</i> , 1999 , 18, 7860-72	9.2	604
298	Interaction of Wnt and a Frizzled homologue triggers G-protein-linked phosphatidylinositol signalling. <i>Nature</i> , 1997 , 390, 410-3	50.4	569
297	Wnt and calcium signaling: beta-catenin-independent pathways. <i>Cell Calcium</i> , 2005 , 38, 439-46	4	563
296	Genetic interaction of PGE2 and Wnt signaling regulates developmental specification of stem cells and regeneration. <i>Cell</i> , 2009 , 136, 1136-47	56.2	551
295	Signal transduction through beta-catenin and specification of cell fate during embryogenesis. <i>Genes and Development</i> , 1996 , 10, 2527-39	12.6	543
294	Differential recruitment of Dishevelled provides signaling specificity in the planar cell polarity and Wingless signaling pathways. <i>Genes and Development</i> , 1998 , 12, 2610-22	12.6	510
293	Patterning activities of vertebrate hedgehog proteins in the developing eye and brain. <i>Current Biology</i> , 1995 , 5, 944-55	6.3	507

292	Molecular architecture and assembly of the DDB1-CUL4A ubiquitin ligase machinery. <i>Nature</i> , 2006 , 443, 590-3	50.4	497
291	Disruptive CHD8 mutations define a subtype of autism early in development. <i>Cell</i> , 2014 , 158, 263-276	56.2	467
290	Biphasic role for Wnt/beta-catenin signaling in cardiac specification in zebrafish and embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9685-90	11.5	464
289	Injected Wnt RNA induces a complete body axis in <i>Xenopus</i> embryos. <i>Cell</i> , 1991 , 67, 741-52	56.2	459
288	The TAK1-NLK mitogen-activated protein kinase cascade functions in the Wnt-5a/Ca(2+) pathway to antagonize Wnt/beta-catenin signaling. <i>Molecular and Cellular Biology</i> , 2003 , 23, 131-9	4.8	452
287	A beta-catenin/XTcf-3 complex binds to the siamois promoter to regulate dorsal axis specification in <i>Xenopus</i> . <i>Genes and Development</i> , 1997 , 11, 2359-70	12.6	449
286	Ectopic expression of the proto-oncogene int-1 in <i>Xenopus</i> embryos leads to duplication of the embryonic axis. <i>Cell</i> , 1989 , 58, 1075-84	56.2	439
285	Protein kinase C is differentially stimulated by Wnt and Frizzled homologs in a G-protein-dependent manner. <i>Current Biology</i> , 1999 , 9, 695-8	6.3	420
284	Distinct Wnt signaling pathways have opposing roles in appendage regeneration. <i>Development (Cambridge)</i> , 2007 , 134, 479-89	6.6	415
283	Control of neural crest cell fate by the Wnt signalling pathway. <i>Nature</i> , 1998 , 396, 370-3	50.4	404
282	The transcriptional coactivator CBP interacts with beta-catenin to activate gene expression. <i>Journal of Cell Biology</i> , 2000 , 149, 249-54	7.3	402
281	A frizzled homolog functions in a vertebrate Wnt signaling pathway. <i>Current Biology</i> , 1996 , 6, 1302-6	6.3	399
280	Interactions between Xwnt-8 and Spemann organizer signaling pathways generate dorsoventral pattern in the embryonic mesoderm of <i>Xenopus</i> . <i>Genes and Development</i> , 1993 , 7, 13-28	12.6	379
279	Regulation of beta-catenin signaling by the B56 subunit of protein phosphatase 2A. <i>Science</i> , 1999 , 283, 2089-91	33.3	375
278	Ca(2+)/calmodulin-dependent protein kinase II is stimulated by Wnt and Frizzled homologs and promotes ventral cell fates in <i>Xenopus</i> . <i>Journal of Biological Chemistry</i> , 2000 , 275, 12701-11	5.4	374
277	Mutant frizzled-4 disrupts retinal angiogenesis in familial exudative vitreoretinopathy. <i>Nature Genetics</i> , 2002 , 32, 326-30	36.3	368
276	Actin-dependent propulsion of endosomes and lysosomes by recruitment of N-WASP. <i>Journal of Cell Biology</i> , 2000 , 148, 519-30	7.3	363
275	Establishment of the dorso-ventral axis in <i>Xenopus</i> embryos is presaged by early asymmetries in beta-catenin that are modulated by the Wnt signaling pathway. <i>Journal of Cell Biology</i> , 1997 , 136, 1123-36 ³	35.4	354

- 274 Wilms tumor suppressor WTX negatively regulates WNT/beta-catenin signaling. *Science*, **2007**, 316, 1043-63 341
- 273 Modulation of embryonic intracellular Ca²⁺ signaling by Wnt-5A. *Developmental Biology*, **1997**, 182, 114-20 339
- 272 Activities of the Wnt-1 class of secreted signaling factors are antagonized by the Wnt-5A class and by a dominant negative cadherin in early *Xenopus* development. *Journal of Cell Biology*, **1996**, 133, 1123-37 334
- 271 The planar cell-polarity gene *stbm* regulates cell behaviour and cell fate in vertebrate embryos. *Nature Cell Biology*, **2002**, 4, 20-5 23.4 307
- 270 The KLHL12-Cullin-3 ubiquitin ligase negatively regulates the Wnt-beta-catenin pathway by targeting Dishevelled for degradation. *Nature Cell Biology*, **2006**, 8, 348-57 23.4 304
- 269 Functional genomic analysis of the Wnt-wingless signaling pathway. *Science*, **2005**, 308, 826-33 33.3 294
- 268 Expression of a dominant-negative Wnt blocks induction of MyoD in *Xenopus* embryos. *Genes and Development*, **1996**, 10, 2805-17 12.6 292
- 267 A Wnt survival guide: from flies to human disease. *Journal of Investigative Dermatology*, **2009**, 129, 1614-23 27 291
- 266 Zebrafish *wnt8* encodes two *wnt8* proteins on a bicistronic transcript and is required for mesoderm and neurectoderm patterning. *Developmental Cell*, **2001**, 1, 103-14 10.2 291
- 265 Activated Wnt/beta-catenin signaling in melanoma is associated with decreased proliferation in patient tumors and a murine melanoma model. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 1193-8 11.5 272
- 264 Identification of distinct classes and functional domains of Wnts through expression of wild-type and chimeric proteins in *Xenopus* embryos. *Molecular and Cellular Biology*, **1995**, 15, 2625-34 4.8 269
- 263 The Wnt5A/protein kinase C pathway mediates motility in melanoma cells via the inhibition of metastasis suppressors and initiation of an epithelial to mesenchymal transition. *Journal of Biological Chemistry*, **2007**, 282, 17259-71 5.4 268
- 262 The renewal and differentiation of Isl1+ cardiovascular progenitors are controlled by a Wnt/beta-catenin pathway. *Cell Stem Cell*, **2007**, 1, 165-79 18 268
- 261 From cortical rotation to organizer gene expression: toward a molecular explanation of axis specification in *Xenopus*. *BioEssays*, **1998**, 20, 536-45 4.1 264
- 260 Dishevelled activates Ca²⁺ flux, PKC, and CamKII in vertebrate embryos. *Journal of Cell Biology*, **2003**, 161, 769-77 7.3 261
- 259 A transgenic Lef1/beta-catenin-dependent reporter is expressed in spatially restricted domains throughout zebrafish development. *Developmental Biology*, **2002**, 241, 229-37 3.1 260
- 258 Disruption of *facvrl1* increases endothelial cell number in zebrafish cranial vessels. *Development (Cambridge)*, **2002**, 129, 3009-3019 6.6 260
- 257 A temporal chromatin signature in human embryonic stem cells identifies regulators of cardiac development. *Cell*, **2012**, 151, 221-32 56.2 254

256	Porous implants modulate healing and induce shifts in local macrophage polarization in the foreign body reaction. <i>Annals of Biomedical Engineering</i> , 2014 , 42, 1508-16	4.7	253
255	The metabolome regulates the epigenetic landscape during naive-to-primed human embryonic stem cell transition. <i>Nature Cell Biology</i> , 2015 , 17, 1523-35	23.4	249
254	Wnt/ β catenin signaling promotes differentiation, not self-renewal, of human embryonic stem cells and is repressed by Oct4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4485-90	11.5	249
253	Chibby, a nuclear beta-catenin-associated antagonist of the Wnt/Wingless pathway. <i>Nature</i> , 2003 , 422, 905-9	50.4	240
252	Advances in signaling in vertebrate regeneration as a prelude to regenerative medicine. <i>Genes and Development</i> , 2007 , 21, 1292-315	12.6	227
251	G protein signaling from activated rat frizzled-1 to the beta-catenin-Lef-Tcf pathway. <i>Science</i> , 2001 , 292, 1718-22	33.3	226
250	Common genetic variation within the low-density lipoprotein receptor-related protein 6 and late-onset Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9434-9	11.5	220
249	Dapper, a Dishevelled-associated antagonist of beta-catenin and JNK signaling, is required for notochord formation. <i>Developmental Cell</i> , 2002 , 2, 449-61	10.2	219
248	A new nomenclature for int-1 and related genes: the Wnt gene family. <i>Cell</i> , 1991 , 64, 231	56.2	217
247	Reiterated Wnt signaling during zebrafish neural crest development. <i>Development (Cambridge)</i> , 2004 , 131, 1299-308	6.6	216
246	Glycogen synthase kinase-3 is an in vivo regulator of hematopoietic stem cell repopulation. <i>Nature Medicine</i> , 2006 , 12, 89-98	50.5	213
245	Establishment of the dorsal-ventral axis in <i>Xenopus</i> embryos coincides with the dorsal enrichment of dishevelled that is dependent on cortical rotation. <i>Journal of Cell Biology</i> , 1999 , 146, 427-37	7.3	209
244	High-Throughput Screening Enhances Kidney Organoid Differentiation from Human Pluripotent Stem Cells and Enables Automated Multidimensional Phenotyping. <i>Cell Stem Cell</i> , 2018 , 22, 929-940.e4	18	209
243	Specification of the anteroposterior neural axis through synergistic interaction of the Wnt signaling cascade with noggin and follistatin. <i>Developmental Biology</i> , 1995 , 172, 337-42	3.1	203
242	Macrophages modulate adult zebrafish tail fin regeneration. <i>Development (Cambridge)</i> , 2014 , 141, 2581-86	19.6	199
241	The integrin-linked kinase regulates the cyclin D1 gene through glycogen synthase kinase 3beta and cAMP-responsive element-binding protein-dependent pathways. <i>Journal of Biological Chemistry</i> , 2000 , 275, 32649-57	5.4	196
240	Microenvironmental protection of CML stem and progenitor cells from tyrosine kinase inhibitors through N-cadherin and Wnt/ β catenin signaling. <i>Blood</i> , 2013 , 121, 1824-38	2.2	192
239	Wnt and FGF pathways cooperatively pattern anteroposterior neural ectoderm in <i>Xenopus</i> . <i>Mechanisms of Development</i> , 1997 , 69, 105-14	1.7	192

238	Wnt5a control of cell polarity and directional movement by polarized redistribution of adhesion receptors. <i>Science</i> , 2008 , 320, 365-9	33.3	192
237	Wnt-5A augments repopulating capacity and primitive hematopoietic development of human blood stem cells in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 3422-7	11.5	191
236	Differential requirement for the dual functions of β -catenin in embryonic stem cell self-renewal and germ layer formation. <i>Nature Cell Biology</i> , 2011 , 13, 753-61	23.4	190
235	Antagonistic regulation of convergent extension movements in <i>Xenopus</i> by Wnt/ β -catenin and Wnt/ Ca^{2+} signaling. <i>Mechanisms of Development</i> , 2001 , 106, 61-76	1.7	189
234	Kaiso/ β -catenin and TCF/ β -catenin complexes coordinately regulate canonical Wnt gene targets. <i>Developmental Cell</i> , 2005 , 8, 843-54	10.2	185
233	Overlapping expression of Xwnt-3A and Xwnt-1 in neural tissue of <i>Xenopus laevis</i> embryos. <i>Developmental Biology</i> , 1993 , 155, 46-57	3.1	181
232	The ups and downs of Wnt signaling in prevalent neurological disorders. <i>Oncogene</i> , 2006 , 25, 7545-53	9.2	180
231	Positive and negative regulation of muscle cell identity by members of the hedgehog and TGF- β gene families. <i>Journal of Cell Biology</i> , 1997 , 139, 145-56	7.3	179
230	Hypoxia-inducible factors have distinct and stage-specific roles during reprogramming of human cells to pluripotency. <i>Cell Stem Cell</i> , 2014 , 14, 592-605	18	163
229	The Sp1-related transcription factors sp5 and sp5-like act downstream of Wnt/ β -catenin signaling in mesoderm and neuroectoderm patterning. <i>Current Biology</i> , 2005 , 15, 489-500	6.3	163
228	Analysis of the signaling activities of localization mutants of β -catenin during axis specification in <i>Xenopus</i> . <i>Journal of Cell Biology</i> , 1997 , 139, 229-43	7.3	160
227	BMP-2/-4 and Wnt-8 cooperatively pattern the <i>Xenopus</i> mesoderm. <i>Mechanisms of Development</i> , 1998 , 71, 119-29	1.7	153
226	APC mutant zebrafish uncover a changing temporal requirement for wnt signaling in liver development. <i>Developmental Biology</i> , 2008 , 320, 161-74	3.1	152
225	Mutant Frizzled 4 associated with vitreoretinopathy traps wild-type Frizzled in the endoplasmic reticulum by oligomerization. <i>Nature Cell Biology</i> , 2004 , 6, 52-8	23.4	148
224	Signaling of rat Frizzled-2 through phosphodiesterase and cyclic GMP. <i>Science</i> , 2002 , 298, 2006-10	33.3	147
223	Wnt signaling promotes hematoendothelial cell development from human embryonic stem cells. <i>Blood</i> , 2008 , 111, 122-31	2.2	144
222	LRP-6 is a coreceptor for multiple fibrogenic signaling pathways in pericytes and myofibroblasts that are inhibited by DKK-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 1440-5	11.5	142
221	Microtubule-mediated transport of organelles and localization of β -catenin to the future dorsal side of <i>Xenopus</i> eggs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 1224-9	11.5	141

220	Transforming growth factor beta receptor type II inactivation induces the malignant transformation of intestinal neoplasms initiated by Apc mutation. <i>Cancer Research</i> , 2006 , 66, 9837-44	10.1	139
219	A disease-associated PTPN22 variant promotes systemic autoimmunity in murine models. <i>Journal of Clinical Investigation</i> , 2013 , 123, 2024-36	15.9	137
218	Crystal structure of a full-length beta-catenin. <i>Structure</i> , 2008 , 16, 478-87	5.2	135
217	Crystal structures of the extracellular domain of LRP6 and its complex with DKK1. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 1204-10	17.6	125
216	Wnt/ β -catenin signaling and AXIN1 regulate apoptosis triggered by inhibition of the mutant kinase BRAFV600E in human melanoma. <i>Science Signaling</i> , 2012 , 5, ra3	8.8	124
215	Two tcf3 genes cooperate to pattern the zebrafish brain. <i>Development (Cambridge)</i> , 2003 , 130, 1937-47	6.6	124
214	Direct regulation of nacre, a zebrafish MITF homolog required for pigment cell formation, by the Wnt pathway. <i>Genes and Development</i> , 2000 , 14, 158-162	12.6	124
213	Induction of a secondary embryonic axis in zebrafish occurs following the overexpression of beta-catenin. <i>Mechanisms of Development</i> , 1995 , 53, 261-73	1.7	123
212	Activation of a frizzled-2/beta-adrenergic receptor chimera promotes Wnt signaling and differentiation of mouse F9 teratocarcinoma cells via Galphao and Galphat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 14383-8	11.5	122
211	Effect of wnt-1 and related proteins on gap junctional communication in <i>Xenopus</i> embryos. <i>Science</i> , 1991 , 252, 1173-6	33.3	122
210	New regulators of Wnt/beta-catenin signaling revealed by integrative molecular screening. <i>Science Signaling</i> , 2008 , 1, ra12	8.8	121
209	Wnt-beta-catenin signaling initiates taste papilla development. <i>Nature Genetics</i> , 2007 , 39, 106-12	36.3	121
208	Wnt/beta-catenin pathway. <i>Science Signaling</i> , 2005 , 2005, cm1	8.8	119
207	Wnt4 affects morphogenesis when misexpressed in the zebrafish embryo. <i>Mechanisms of Development</i> , 1995 , 52, 153-64	1.7	115
206	WNT5A enhances resistance of melanoma cells to targeted BRAF inhibitors. <i>Journal of Clinical Investigation</i> , 2014 , 124, 2877-90	15.9	114
205	Wnt/Fz signaling and the cytoskeleton: potential roles in tumorigenesis. <i>Cell Research</i> , 2009 , 19, 532-45	24.7	113
204	Structurally related receptors and antagonists compete for secreted Wnt ligands. <i>Cell</i> , 1997 , 88, 725-8	56.2	111
203	Wnt5a and Wnt11 are essential for second heart field progenitor development. <i>Development (Cambridge)</i> , 2012 , 139, 1931-40	6.6	109

202	Direct regulation of the <i>Xenopus</i> engrailed-2 promoter by the Wnt signaling pathway, and a molecular screen for Wnt-responsive genes, confirm a role for Wnt signaling during neural patterning in <i>Xenopus</i> . <i>Mechanisms of Development</i> , 1999 , 87, 21-32	1.7	109
201	Wnt signaling induces epithelial differentiation during cutaneous wound healing. <i>BMC Cell Biology</i> , 2006 , 7, 4		107
200	The fragilis interferon-inducible gene family of transmembrane proteins is associated with germ cell specification in mice. <i>BMC Developmental Biology</i> , 2003 , 3, 1	3.1	104
199	Small-molecule synergist of the Wnt/beta-catenin signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 7444-8	11.5	103
198	Wnt signaling: why is everything so negative?. <i>Current Opinion in Cell Biology</i> , 1998 , 10, 182-7	9	102
197	Synthesis and assembly of spectrin during avian erythropoiesis: stoichiometric assembly but unequal synthesis of alpha and beta spectrin. <i>Cell</i> , 1983 , 32, 1081-91	56.2	102
196	A re-evaluation of the "oncogenic" nature of Wnt/beta-catenin signaling in melanoma and other cancers. <i>Current Oncology Reports</i> , 2010 , 12, 314-8	6.3	101
195	Protein kinase C isozymes have distinct roles in neural induction and competence in <i>Xenopus</i> . <i>Cell</i> , 1992 , 68, 1021-9	56.2	100
194	Wnt/beta-catenin signaling has an essential role in the initiation of limb regeneration. <i>Developmental Biology</i> , 2007 , 306, 170-8	3.1	98
193	Environmental signals and cell fate specification in premigratory neural crest. <i>BioEssays</i> , 2000 , 22, 708-16	4.1	91
192	Altered splicing of ATP6AP2 causes X-linked parkinsonism with spasticity (XPDS). <i>Human Molecular Genetics</i> , 2013 , 22, 3259-68	5.6	89
191	In pursuit of the functions of the Wnt family of developmental regulators: insights from <i>Xenopus laevis</i> . <i>BioEssays</i> , 1993 , 15, 91-7	4.1	88
190	The tuberin-hamartin complex negatively regulates beta-catenin signaling activity. <i>Journal of Biological Chemistry</i> , 2003 , 278, 5947-51	5.4	86
189	Wilms tumor gene on X chromosome (WTX) inhibits degradation of NRF2 protein through competitive binding to KEAP1 protein. <i>Journal of Biological Chemistry</i> , 2012 , 287, 6539-50	5.4	85
188	Assaying beta-catenin/TCF transcription with beta-catenin/TCF transcription-based reporter constructs. <i>Methods in Molecular Biology</i> , 2008 , 468, 99-110	1.4	85
187	WNT7B mediates autocrine Wnt/beta-catenin signaling and anchorage-independent growth in pancreatic adenocarcinoma. <i>Oncogene</i> , 2014 , 33, 899-908	9.2	84
186	Wnt signaling and heterotrimeric G-proteins: strange bedfellows or a classic romance?. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 287, 589-93	3.4	83
185	Activation of rat frizzled-1 promotes Wnt signaling and differentiation of mouse F9 teratocarcinoma cells via pathways that require Galpha(q) and Galpha(o) function. <i>Journal of Biological Chemistry</i> , 1999 , 274, 33539-44	5.4	83

184	AKT kinase activity is required for lithium to modulate mood-related behaviors in mice. <i>Neuropsychopharmacology</i> , 2011 , 36, 1397-411	8.7	82
183	Wnt1 and wnt10b function redundantly at the zebrafish midbrain-hindbrain boundary. <i>Developmental Biology</i> , 2003 , 254, 172-87	3.1	82
182	A protein complex of SCRIB, NOS1AP and VANGL1 regulates cell polarity and migration, and is associated with breast cancer progression. <i>Oncogene</i> , 2012 , 31, 3696-708	9.2	81
181	When Wnts antagonize Wnts. <i>Journal of Cell Biology</i> , 2003 , 162, 753-5	7.3	80
180	Mindbomb 1, an E3 ubiquitin ligase, forms a complex with RYK to activate Wnt/ β -catenin signaling. <i>Journal of Cell Biology</i> , 2011 , 194, 737-50	7.3	79
179	Microfluidic device generating stable concentration gradients for long term cell culture: application to Wnt3a regulation of β -catenin signaling. <i>Lab on A Chip</i> , 2010 , 10, 3277-83	7.2	77
178	The cytoskeletal framework of sea urchin eggs and embryos: developmental changes in the association of messenger RNA. <i>Developmental Biology</i> , 1983 , 95, 447-58	3.1	77
177	Wnt/ β -catenin regulation of the Sp1-related transcription factor sp5l promotes tail development in zebrafish. <i>Development (Cambridge)</i> , 2005 , 132, 1763-72	6.6	76
176	Wnt/ β -catenin signaling suppresses DUX4 expression and prevents apoptosis of FSHD muscle cells. <i>Human Molecular Genetics</i> , 2013 , 22, 4661-72	5.6	75
175	Targeting Wnt pathways in disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012 , 4,	10.2	74
174	Inactivation of Chibby affects function of motile airway cilia. <i>Journal of Cell Biology</i> , 2009 , 185, 225-33	7.3	72
173	Antisense RNA inhibits expression of membrane skeleton protein 4.1 during embryonic development of <i>Xenopus</i> . <i>Cell</i> , 1988 , 53, 601-15	56.2	72
172	Wnt signaling exerts an antiproliferative effect on adult cardiac progenitor cells through IGFBP3. <i>Circulation Research</i> , 2011 , 109, 1363-74	15.7	71
171	Noncanonical Wnt signaling orchestrates early developmental events toward hematopoietic cell fate from human embryonic stem cells. <i>Cell Stem Cell</i> , 2009 , 4, 248-62	18	71
170	Crystal structure of a Tankyrase-Axin complex and its implications for Axin turnover and Tankyrase substrate recruitment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1500-5	11.5	71
169	Active β -catenin signaling is an inhibitory pathway for human immunodeficiency virus replication in peripheral blood mononuclear cells. <i>Journal of Virology</i> , 2008 , 82, 2813-20	6.6	71
168	WIK14, a novel inhibitor of tankyrase and Wnt/ β -catenin signaling. <i>PLoS ONE</i> , 2012 , 7, e50457	3.7	70
167	Isolation of cDNAs partially encoding four <i>Xenopus</i> Wnt-1/int-1-related proteins and characterization of their transient expression during embryonic development. <i>Developmental Biology</i> , 1991 , 143, 230-4	3.1	70

166	Zebrafish Dapper1 and Dapper2 play distinct roles in Wnt-mediated developmental processes. <i>Development (Cambridge)</i> , 2004 , 131, 5909-21	6.6	69
165	Wnt/ β catenin signaling promotes self-renewal and inhibits the primed state transition in naïve human embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E6382-E6390	11.5	67
164	High basal levels of functional toll-like receptor 3 (TLR3) and noncanonical Wnt5a are expressed in papillary thyroid cancer and are coordinately decreased by phenylmethimazole together with cell proliferation and migration. <i>Endocrinology</i> , 2007 , 148, 4226-37	4.8	63
163	The CCN family member Wisp3, mutant in progressive pseudorheumatoid dysplasia, modulates BMP and Wnt signaling. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3075-86	15.9	63
162	Adiponectin haploinsufficiency promotes mammary tumor development in MMTV-PyVT mice by modulation of phosphatase and tensin homolog activities. <i>PLoS ONE</i> , 2009 , 4, e4968	3.7	62
161	Posterior malformations in Dact1 mutant mice arise through misregulated Vangl2 at the primitive streak. <i>Nature Genetics</i> , 2009 , 41, 977-85	36.3	62
160	Stromelysin-1 and mesothelin are differentially regulated by Wnt-5a and Wnt-1 in C57mg mouse mammary epithelial cells. <i>BMC Developmental Biology</i> , 2003 , 3, 2	3.1	62
159	cDNA cloning, sequencing and chromosome mapping of a non-erythroid spectrin, human alpha-fodrin. <i>Differentiation</i> , 1987 , 34, 68-78	3.5	62
158	USP6 oncogene promotes Wnt signaling by deubiquitylating Frizzleds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E2945-54	11.5	62
157	nemo-like kinase is an essential co-activator of Wnt signaling during early zebrafish development. <i>Development (Cambridge)</i> , 2004 , 131, 2899-909	6.6	60
156	Activation of Wnt/ β catenin signaling increases apoptosis in melanoma cells treated with trail. <i>PLoS ONE</i> , 2013 , 8, e69593	3.7	60
155	The armadillo homologs beta-catenin and plakoglobin are differentially expressed during early development of <i>Xenopus laevis</i> . <i>Developmental Biology</i> , 1992 , 153, 337-46	3.1	59
154	Beta-catenin signaling increases in proliferating NG2+ progenitors and astrocytes during post-traumatic gliogenesis in the adult brain. <i>Stem Cells</i> , 2010 , 28, 297-307	5.8	58
153	Anion transporter: highly cell-type-specific expression of distinct polypeptides and transcripts in erythroid and nonerythroid cells. <i>Journal of Cell Biology</i> , 1985 , 100, 1548-57	7.3	58
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