# Randall T Moon

List of Publications by Year
in descending order

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| | | 1238 | 1715 |
|---|---|---|---|
| 288 | 48,381 | 110 | 213 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 398 | 398 | 398 | 43287 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | WNT and Î²-catenin signalling: diseases and therapies. Nature Reviews Genetics, 2004, 5, 691-701. | 16.3 | 1,675 |
| 2 | WNT signalling pathways as therapeutic targets in cancer. Nature Reviews Cancer, 2013, 13, 11-26. | 28.4 | 1,665 |
| 3 | A Second Canon. Developmental Cell, 2003, 5, 367-377. | 7.0 | 1,294 |
| 4 | The axis-inducing activity, stability, and subcellular distribution of beta-catenin is regulated in Xenopus embryos by glycogen synthase kinase 3.. Genes and Development, 1996, 10, 1443-1454. | 5.9 | 1,051 |
| 5 | Proximal events in Wnt signal transduction. Nature Reviews Molecular Cell Biology, 2009, 10, 468-477. | 37.0 | 982 |
| 6 | The Promise and Perils of Wnt Signaling Through beta -Catenin. Science, 2002, 296, 1644-1646. | 12.6 | 937 |
| 7 | Zebrafish Prickle, a Modulator of Noncanonical Wnt/Fz Signaling, Regulates Gastrulation Movements. Current Biology, 2003, 13, 680-685. | 3.9 | 841 |
| 8 | The Wnt/Ca2+ pathway. Trends in Genetics, 2000, 16, 279-283. | 6.7 | 820 |
| 9 | A small molecule inhibitor of Î²-catenin/cyclic AMP response element-binding protein transcription. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12682-12687. | 7.1 | 815 |
| 10 | Disrupted in Schizophrenia 1 Regulates Neuronal Progenitor Proliferation via Modulation of GSK3Î²/Î²-Catenin Signaling. Cell, 2009, 136, 1017-1031. | 28.9 | 703 |
| 11 | Mechanism and function of signal transduction by the Wnt/Î²-catenin and Wnt/Ca2+ pathways. Oncogene, 1999, 18, 7860-7872. | 5.9 | 660 |
| 12 | Wnt and calcium signaling: Î²-Catenin-independent pathways. Cell Calcium, 2005, 38, 439-446. | 2.4 | 647 |
| 13 | Disruptive CHD8 Mutations Define a Subtype of Autism Early in Development. Cell, 2014, 158, 263-276. | 28.9 | 637 |
| 14 | Genetic Interaction of PGE2 and Wnt Signaling Regulates Developmental Specification of Stem Cells and Regeneration. Cell, 2009, 136, 1136-1147. | 28.9 | 628 |
| 15 | Interaction of Wnt and a Frizzled homologue triggers G-protein-linked phosphatidylinositol signalling. Nature, 1997, 390, 410-413. | 27.8 | 622 |
| 16 | Signal transduction through beta-catenin and specification of cell fate during embryogenesis.. Genes and Development, 1996, 10, 2527-2539. | 5.9 | 613 |
| 17 | Molecular architecture and assembly of the DDB1â€“CUL4A ubiquitin ligase machinery. Nature, 2006, 443, 590-593. | 27.8 | 580 |
| 18 | Biphasic role for Wnt/beta-catenin signaling in cardiac specification in zebrafish and embryonic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9685-9690. | 7.1 | 579 |

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| 19 | Differential recruitment of Dishevelled provides signaling specificity in the planar cell polarity and Wingless signaling pathways. Genes and Development, 1998, 12, 2610-2622. | 5.9 | 572 |
| 20 | Patterning activities of vertebrate hedgehog proteins in the developing eye and brain. Current Biology, 1995, 5, 944-955. | 3.9 | 548 |
| 21 | The TAK1-NLK Mitogen-Activated Protein Kinase Cascade Functions in the Wnt-5a/Ca<sup>2+</sup> Pathway To Antagonize Wnt/Î²-Catenin Signaling. Molecular and Cellular Biology, 2003, 23, 131-139. | 2.3 | 503 |
| 22 | A Î²-catenin/XTcf-3 complex binds to thesiamois promoter to regulate dorsal axis specification inâ€‰Xenopus. Genes and Development, 1997, 11, 2359-2370. | 5.9 | 494 |
| 23 | Injected Wnt RNA induces a complete body axis in Xenopus embryos. Cell, 1991, 67, 741-752. | 28.9 | 487 |
| 24 | Ectopic expression of the proto-oncogene int-1 in Xenopus embryos leads to duplication of the embryonic axis. Cell, 1989, 58, 1075-1084. | 28.9 | 482 |
| 25 | Distinct Wnt signaling pathways have opposing roles in appendage regeneration. Development (Cambridge), 2007, 134, 479-489. | 2.5 | 480 |
| 26 | Control of neural crest cell fate by the Wnt signalling pathway. Nature, 1998, 396, 370-373. | 27.8 | 452 |
| 27 | Protein kinase C is differentially stimulated by Wnt and Frizzled homologs in aG-protein-dependent manner. Current Biology, 1999, 9, 695-S1. | 3.9 | 445 |
| 28 | The Transcriptional Coactivator Cbp Interacts with Î²-Catenin to Activate Gene Expression. Journal of Cell Biology, 2000, 149, 249-254. | 5.2 | 436 |
| 29 | A frizzled homolog functions in a vertebrate Wnt signaling pathway. Current Biology, 1996, 6, 1302-1306. | 3.9 | 430 |
| 30 | Interactions between Xwnt-8 and Spemann organizer signaling pathways generate dorsoventral pattern in the embryonic mesoderm of Xenopus.. Genes and Development, 1993, 7, 13-28. | 5.9 | 423 |
| 31 | Ca2+/Calmodulin-dependent Protein Kinase II Is Stimulated by Wnt and Frizzled Homologs and Promotes Ventral Cell Fates in Xenopus. Journal of Biological Chemistry, 2000, 275, 12701-12711. | 3.4 | 423 |
| 32 | Actin-Dependent Propulsion of Endosomes and Lysosomes by Recruitment of N-Waspâœª. Journal of Cell Biology, 2000, 148, 519-530. | 5.2 | 410 |
| 33 | Mutant frizzled-4 disrupts retinal angiogenesis in familial exudative vitreoretinopathy. Nature Genetics, 2002, 32, 326-330. | 21.4 | 409 |
| 34 | Regulation of -Catenin Signaling by the B56 Subunit of Protein Phosphatase 2A. Science, 1999, 283, 2089-2091. | 12.6 | 407 |
| 35 | Establishment of the Dorso-ventral Axis in Xenopus Embryos Is Presaged by Early Asymmetries in Î²-Catenin That Are Modulated by the Wnt Signaling Pathway. Journal of Cell Biology, 1997, 136, 1123-1136. | 5.2 | 380 |
| 36 | Wilms Tumor Suppressor WTX Negatively Regulates WNT/ÃŸ-Catenin Signaling. Science, 2007, 316, 1043-1046. | 12.6 | 379 |

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| 37 | Modulation of Embryonic Intracellular Ca2+Signaling byWnt-5A. Developmental Biology, 1997, 182, 114-120. | 2.0 | 363 |
| 38 | The metabolome regulates the epigenetic landscape during naive-to-primed human embryonic stem cellÂtransition. Nature Cell Biology, 2015, 17, 1523-1535. | 10.3 | 360 |
| 39 | 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, 1123-1137. | 5.2 | 358 |
| 40 | The KLHL12â€“Cullin-3 ubiquitin ligase negatively regulates the Wntâ€“Î²-catenin pathway by targeting Dishevelled for degradation. Nature Cell Biology, 2006, 8, 348-357. | 10.3 | 346 |
| 41 | The planar cell-polarity gene stbm regulates cell behaviour and cell fate in vertebrate embryos. Nature Cell Biology, 2002, 4, 20-25. | 10.3 | 344 |
| 42 | High-Throughput Screening Enhances Kidney Organoid Differentiation from Human Pluripotent Stem Cells and Enables Automated Multidimensional Phenotyping. Cell Stem Cell, 2018, 22, 929-940.e4. | 11.1 | 328 |
| 43 | A Wnt Survival Guide: From Flies to Human Disease. Journal of Investigative Dermatology, 2009, 129, 1614-1627. | 0.7 | 327 |
| 44 | Functional Genomic Analysis of the Wnt-Wingless Signaling Pathway. Science, 2005, 308, 826-833. | 12.6 | 325 |
| 45 | Porous Implants Modulate Healing and Induce Shifts in Local Macrophage Polarization in the Foreign Body Reaction. Annals of Biomedical Engineering, 2014, 42, 1508-1516. | 2.5 | 325 |
| 46 | Disruption ofacvrl1increases endothelial cell number in zebrafish cranial vessels. Development (Cambridge), 2002, 129, 3009-3019. | 2.5 | 325 |
| 47 | Macrophages modulate adult zebrafish tail fin regeneration. Development (Cambridge), 2014, 141, 2581-2591. | 2.5 | 320 |
| 48 | Expression of a dominant-negative Wnt blocks induction of MyoD in Xenopus embryos.. Genes and Development, 1996, 10, 2805-2817. | 5.9 | 319 |
| 49 | Zebrafish wnt8 Encodes Two Wnt8 Proteins on a Bicistronic Transcript and Is Required for Mesoderm and Neurectoderm Patterning. Developmental Cell, 2001, 1, 103-114. | 7.0 | 313 |
| 50 | Activated Wnt/ÃŸ-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, 1193-1198. | 7.1 | 313 |
| 51 | Wnt/Î²-catenin signaling promotes differentiation, not self-renewal, of human embryonic stem cells and is repressed by Oct4. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4485-4490. | 7.1 | 313 |
| 52 | 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, 17259-17271. | 3.4 | 310 |
| 53 | A Temporal Chromatin Signature in Human Embryonic Stem Cells Identifies Regulators of Cardiac Development. Cell, 2012, 151, 221-232. | 28.9 | 306 |
| 54 | The Renewal and Differentiation of Isl1+ Cardiovascular Progenitors Are Controlled by a Wnt/Î²-Catenin Pathway. Cell Stem Cell, 2007, 1, 165-179. | 11.1 | 300 |

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| 55 | From cortical rotation to organizer gene expression: toward a molecular explanation of axis specification in Xenopus. BioEssays, 1998, 20, 536-546. | 2.5 | 292 |
| 56 | 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, 2625-2634. | 2.3 | 288 |
| 57 | Dishevelled activates Ca2+ flux, PKC, and CamKII in vertebrate embryos. Journal of Cell Biology, 2003, 161, 769-777. | 5.2 | 288 |
| 58 | A Transgenic Lef1/Î²-Catenin-Dependent Reporter Is Expressed in Spatially Restricted Domains throughout Zebrafish Development. Developmental Biology, 2002, 241, 229-237. | 2.0 | 284 |
| 59 | Advances in signaling in vertebrate regeneration as a prelude to regenerative medicine. Genes and Development, 2007, 21, 1292-1315. | 5.9 | 270 |
| 60 | A new nomenclature for int-1 and related genes: The Wnt gene family. Cell, 1991, 64, 231. | 28.9 | 268 |
| 61 | Chibby, a nuclear Î²-catenin-associated antagonist of the Wnt/Wingless pathway. Nature, 2003, 422, 905-909. | 27.8 | 260 |
| 62 | Common genetic variation within the Low-Density Lipoprotein Receptor-Related Protein 6 and late-onset Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9434-9439. | 7.1 | 252 |
| 63 | G Protein Signaling from Activated Rat Frizzled-1 to the Î²-Catenin-Lef-Tcf Pathway. Science, 2001, 292, 1718-1722. | 12.6 | 248 |
| 64 | Reiterated Wnt signaling during zebrafish neural crest development. Development (Cambridge), 2004, 131, 1299-1308. | 2.5 | 241 |
| 65 | Dapper, a Dishevelled-Associated Antagonist of Î²-Catenin and JNK Signaling, Is Required for Notochord Formation. Developmental Cell, 2002, 2, 449-461. | 7.0 | 238 |
| 66 | Establishment of the Dorsalâ€“Ventral Axis inXenopus Embryos Coincides with the Dorsal Enrichment of Dishevelled That Is Dependent on Cortical Rotation. Journal of Cell Biology, 1999, 146, 427-438. | 5.2 | 236 |
| 67 | Glycogen synthase kinase-3 is an in vivo regulator of hematopoietic stem cell repopulation. Nature Medicine, 2006, 12, 89-98. | 30.7 | 235 |
| 68 | Microenvironmental protection of CML stem and progenitor cells from tyrosine kinase inhibitors through N-cadherin and Wntâ€“Î²-catenin signaling. Blood, 2013, 121, 1824-1838. | 1.4 | 234 |
| 69 | Wnt5a Control of Cell Polarity and Directional Movement by Polarized Redistribution of Adhesion Receptors. Science, 2008, 320, 365-369. | 12.6 | 229 |
| 70 | The Integrin-linked Kinase Regulates the Cyclin D1 Gene through Glycogen Synthase Kinase 3Î² and cAMP-responsive Element-binding Protein-dependent Pathways. Journal of Biological Chemistry, 2000, 275, 32649-32657. | 3.4 | 225 |
| 71 | Differential requirement for the dual functions of Î²-catenin in embryonic stem cell self-renewal and germ layer formation. Nature Cell Biology, 2011, 13, 753-761. | 10.3 | 224 |
| 72 | Direct regulation of nacre, a zebrafish MITF homolog required for pigment cell formation, by the Wnt pathway. Genes and Development, 2000, 14, 158-162. | 5.9 | 221 |

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| 73 | Specification of the Anteroposterior Neural Axis through Synergistic Interaction of the Wnt Signaling Cascade withnogginandfollistatin. Developmental Biology, 1995, 172, 337-342. | 2.0 | 210 |
| 74 | Wnt-5A augments repopulating capacity and primitive hematopoietic development of human blood stem cellsinvivo. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3422-3427. | 7.1 | 208 |
| 75 | Antagonistic regulation of convergent extension movements in Xenopus by Wnt/Î²-catenin and Wnt/Ca2+ signaling. Mechanisms of Development, 2001, 106, 61-76. | 1.7 | 206 |
| 76 | Kaiso/p120-Catenin and TCF/Î²-Catenin Complexes Coordinately Regulate Canonical Wnt Gene Targets. Developmental Cell, 2005, 8, 843-854. | 7.0 | 206 |
| 77 | Wnt and FGF pathways cooperatively pattern anteroposterior neural ectoderm in Xenopus. Mechanisms of Development, 1997, 69, 105-114. | 1.7 | 202 |
| 78 | Positive and Negative Regulation of Muscle Cell Identity by Members of the hedgehog and TGF-Î² Gene Families. Journal of Cell Biology, 1997, 139, 145-156. | 5.2 | 200 |
| 79 | The ups and downs of Wnt signaling in prevalent neurological disorders. Oncogene, 2006, 25, 7545-7553. | 5.9 | 196 |
| 80 | Hypoxia-Inducible Factors Have Distinct and Stage-Specific Roles during Reprogramming of Human Cells to Pluripotency. Cell Stem Cell, 2014, 14, 592-605. | 11.1 | 193 |
| 81 | The Sp1-Related Transcription Factors sp5 and sp5-like Act Downstream of Wnt/Î²-Catenin Signaling in Mesoderm and Neuroectoderm Patterning. Current Biology, 2005, 15, 489-500. | 3.9 | 189 |
| 82 | Overlapping Expression of Xwnt-3A and Xwnt-1 in Neural Tissue of Xenopus laevis Embryos. Developmental Biology, 1993, 155, 46-57. | 2.0 | 187 |
| 83 | Analysis of the Signaling Activities of Localization Mutants of Î²-Catenin during Axis Specification in Xenopus. Journal of Cell Biology, 1997, 139, 229-243. | 5.2 | 175 |
| 84 | APC mutant zebrafish uncover a changing temporal requirement for wnt signaling in liver development. Developmental Biology, 2008, 320, 161-174. | 2.0 | 173 |
| 85 | BMP-2/-4 and Wnt-8 cooperatively pattern the Xenopus mesoderm. Mechanisms of Development, 1998, 71, 119-129. | 1.7 | 172 |
| 86 | LRP-6 is a coreceptor for multiple fibrogenic signaling pathways in pericytes and myofibroblasts that are inhibited by DKK-1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1440-1445. | 7.1 | 167 |
| 87 | Crystal structures of the extracellular domain of LRP6 and its complex with DKK1. Nature Structural and Molecular Biology, 2011, 18, 1204-1210. | 8.2 | 166 |
| 88 | A disease-associated PTPN22 variant promotes systemic autoimmunity in murine models. Journal of Clinical Investigation, 2013, 123, 2024-2036. | 8.2 | 162 |
| 89 | Wnt signaling promotes hematoendothelial cell development from human embryonic stem cells. Blood, 2008, 111, 122-131. | 1.4 | 161 |
| 90 | Signaling of Rat Frizzled-2 Through Phosphodiesterase and Cyclic GMP. Science, 2002, 298, 2006-2010. | 12.6 | 160 |

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| 91 | Crystal Structure of a Full-Length Î²-Catenin. Structure, 2008, 16, 478-487. | 3.3 | 158 |
| 92 | Microtubule-mediated transport of organelles and localization of Â-catenin to the future dorsal side of Xenopus eggs. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 1224-1229. | 7.1 | 153 |
| 93 | Transforming Growth Factor Î² Receptor Type II Inactivation Induces the Malignant Transformation of Intestinal Neoplasms Initiated by Apc Mutation. Cancer Research, 2006, 66, 9837-9844. | 0.9 | 153 |
| 94 | Mutant Frizzled 4 associated with vitreoretinopathy traps wild-type Frizzled in the endoplasmic reticulum by oligomerization. Nature Cell Biology, 2004, 6, 52-58. | 10.3 | 152 |
| 95 | Wnt/Î²-Catenin Signaling and AXIN1 Regulate Apoptosis Triggered by Inhibition of the Mutant Kinase BRAF <sup>V600E</sup> in Human Melanoma. Science Signaling, 2012, 5, ra3. | 3.6 | 150 |
| 96 | Wnt/Â-Catenin Pathway. Science Signaling, 2005, 2005, cm1-cm1. | 3.6 | 147 |
| 97 | WNT5A enhances resistance of melanoma cells to targeted BRAF inhibitors. Journal of Clinical Investigation, 2014, 124, 2877-2890. | 8.2 | 144 |
| 98 | Wnt-Î²-catenin signaling initiates taste papilla development. Nature Genetics, 2007, 39, 106-112. | 21.4 | 139 |
| 99 | Twotcf3genes cooperate to pattern the zebrafish brain. Development (Cambridge), 2003, 130, 1937-1947. | 2.5 | 137 |
| 100 | New Regulators of Wnt/Î²-Catenin Signaling Revealed by Integrative Molecular Screening. Science Signaling, 2008, 1, ra12. | 3.6 | 135 |
| 101 | Wnt5a and Wnt11 are essential for second heart field progenitor development. Development (Cambridge), 2012, 139, 1931-1940. | 2.5 | 135 |
| 102 | Induction of a secondary embryonic axis in zebrafish occurs following the overexpression of Î²-catenin. Mechanisms of Development, 1995, 53, 261-273. | 1.7 | 134 |
| 103 | Wnt/Fz signaling and the cytoskeleton: potential roles in tumorigenesis. Cell Research, 2009, 19, 532-545. | 12.0 | 134 |
| 104 | Effect of wnt-1 and related proteins on gap junctional communication in Xenopus embryos. Science, 1991, 252, 1173-1176. | 12.6 | 128 |
| 105 | Wnt signaling induces epithelial differentiation during cutaneous wound healing. BMC Cell Biology, 2006, 7, 4. | 3.0 | 128 |
| 106 | Activation of a Frizzled-2/beta -adrenergic receptor chimera promotes Wnt signaling and differentiation of mouse F9 teratocarcinoma cells via Galpha o and Galpha t. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 14383-14388. | 7.1 | 127 |
| 107 | Wnt4 affects morphogenesis when misexpressed in the zebrafish embryo. Mechanisms of Development, 1995, 52, 153-164. | 1.7 | 124 |
| 108 | Structurally Related Receptors and Antagonists Compete for Secreted Wnt Ligands. Cell, 1997, 88, 725-728. | 28.9 | 122 |

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| 109 | The fragilis interferon-inducible gene family of transmembrane proteins is associated with germ cell specification in mice. BMC Developmental Biology, 2003, 3, 1. | 2.1 | 121 |
| 110 | Small-molecule synergist of the Wnt/Î²-catenin signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7444-7448. | 7.1 | 118 |
| 111 | Altered splicing of ATP6AP2 causes X-linked parkinsonism with spasticity (XPDS). Human Molecular Genetics, 2013, 22, 3259-3268. | 2.9 | 113 |
| 112 | Direct regulation of the Xenopus 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 Xenopus. Mechanisms of Development, 1999, 87, 21-32. | 1.7 | 112 |
| 113 | Synthesis and assembly of spectrin during avian erythropoiesis: Stoichiometric assembly but unequal synthesis of Î± and Î² spectrin. Cell, 1983, 32, 1081-1091. | 28.9 | 111 |
| 114 | Wnt signaling: why is everything so negative?. Current Opinion in Cell Biology, 1998, 10, 182-187. | 5.4 | 110 |
| 115 | Wnt/Î²-catenin signaling has an essential role in the initiation of limb regeneration. Developmental Biology, 2007, 306, 170-178. | 2.0 | 110 |
| 116 | A Re-evaluation of the â€œOncogenicâ€•Nature of Wnt/Î²-catenin Signaling in Melanoma and Other Cancers. Current Oncology Reports, 2010, 12, 314-318. | 4.0 | 110 |
| 117 | Wilms Tumor Gene on X Chromosome (WTX) Inhibits Degradation of NRF2 Protein through Competitive Binding to KEAP1 Protein. Journal of Biological Chemistry, 2012, 287, 6539-6550. | 3.4 | 110 |
| 118 | A protein complex of SCRIB, NOS1AP and VANGL1 regulates cell polarity and migration, and is associated with breast cancer progression. Oncogene, 2012, 31, 3696-3708. | 5.9 | 109 |
| 119 | Protein kinase C isozymes have distinct roles in neural induction and competence in Xenopus. Cell, 1992, 68, 1021-1029. | 28.9 | 105 |
| 120 | WNT7B mediates autocrine Wnt/Î²-catenin signaling and anchorage-independent growth in pancreatic adenocarcinoma. Oncogene, 2014, 33, 899-908. | 5.9 | 105 |
| 121 | Assaying Î²-Catenin/TCF Transcription with Î²-Catenin/TCF Transcription-Based Reporter Constructs. Methods in Molecular Biology, 2008, 468, 99-110. | 0.9 | 103 |
| 122 | Environmental signals and cell fate specification in premigratory neural crest. BioEssays, 2000, 22, 708-716. | 2.5 | 100 |
| 123 | AKT Kinase Activity Is Required for Lithium to Modulate Mood-Related Behaviors in Mice. Neuropsychopharmacology, 2011, 36, 1397-1411. | 5.4 | 98 |
| 124 | Wnt/Î²-catenin signaling promotes self-renewal and inhibits the primed state transition in naÃ¯ve human embryonic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6382-E6390. | 7.1 | 98 |
| 125 | The Tuberin-Hamartin Complex Negatively Regulates Î²-Catenin Signaling Activity. Journal of Biological Chemistry, 2003, 278, 5947-5951. | 3.4 | 95 |
| 126 | When Wnts antagonize Wnts. Journal of Cell Biology, 2003, 162, 753-756. | 5.2 | 94 |

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| 127 | Crystal structure of a Tankyrase-Axin complex and its implications for Axin turnover and Tankyrase substrate recruitment. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1500-1505. | 7.1 | 93 |
| 128 | Targeting Wnt Pathways in Disease. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008086-a008086. | 5.5 | 93 |
| 129 | Wnt/Î²-catenin signaling suppresses DUX4 expression and prevents apoptosis of FSHD muscle cells. Human Molecular Genetics, 2013, 22, 4661-4672. | 2.9 | 92 |
| 130 | In pursuit of the functions of theWnt family of developmental regulators: Insights fromXenopus laevis. BioEssays, 1993, 15, 91-97. | 2.5 | 91 |
| 131 | Wnt Signaling and Heterotrimeric G-Proteins: Strange Bedfellows or a Classic Romance?. Biochemical and Biophysical Research Communications, 2001, 287, 589-593. | 2.1 | 91 |
| 132 | Mindbomb 1, an E3 ubiquitin ligase, forms a complex with RYK to activate Wnt/Î²-catenin signaling. Journal of Cell Biology, 2011, 194, 737-750. | 5.2 | 90 |
| 133 | Activation of Rat Frizzled-1 Promotes Wnt Signaling and Differentiation of Mouse F9 Teratocarcinoma Cells via Pathways That Require GÎ±q and GÎ±o Function. Journal of Biological Chemistry, 1999, 274, 33539-33544. | 3.4 | 89 |
| 134 | WIKI4, a Novel Inhibitor of Tankyrase and Wnt/ÃŸ-Catenin Signaling. PLoS ONE, 2012, 7, e50457. | 2.5 | 89 |
| 135 | Wnt/Î²-catenin regulation of the Sp1-related transcription factor sp5l promotes tail development in zebrafish. Development (Cambridge), 2005, 132, 1763-1772. | 2.5 | 86 |
| 136 | Wnt1 and wnt10b function redundantly at the zebrafish midbrainâ€“hindbrain boundary. Developmental Biology, 2003, 254, 172-187. | 2.0 | 85 |
| 137 | Wnt Signaling Exerts an Antiproliferative Effect on Adult Cardiac Progenitor Cells Through IGFBP3. Circulation Research, 2011, 109, 1363-1374. | 4.5 | 84 |
| 138 | USP6 oncogene promotes Wnt signaling by deubiquitylating Frizzleds. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2945-54. | 7.1 | 84 |
| 139 | The cytoskeletal framework of sea urchin eggs and embryos: Developmental changes in the association of messenger RNA. Developmental Biology, 1983, 95, 447-458. | 2.0 | 83 |
| 140 | Noncanonical Wnt Signaling Orchestrates Early Developmental Events toward Hematopoietic Cell Fate from Human Embryonic Stem Cells. Cell Stem Cell, 2009, 4, 248-262. | 11.1 | 83 |
| 141 | Inactivation of Chibby affects function of motile airway cilia. Journal of Cell Biology, 2009, 185, 225-233. | 5.2 | 81 |
| 142 | Microfluidic device generating stable concentration gradients for long term cell culture: application to Wnt3a regulation of Î²-catenin signaling. Lab on A Chip, 2010, 10, 3277. | 6.0 | 81 |
| 143 | Transcriptomic, proteomic, and metabolomic landscape of positional memory in the caudal fin of zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E717-E726. | 7.1 | 81 |
| 144 | Antisence RNA inhibits expression of membrane skeleton protein 4.1 during embryonic development of xenopus. Cell, 1988, 53, 601-615. | 28.9 | 78 |

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| 145 | Active Î²-Catenin Signaling Is an Inhibitory Pathway for Human Immunodeficiency Virus Replication in Peripheral Blood Mononuclear Cells. Journal of Virology, 2008, 82, 2813-2820. | 3.4 | 78 |
| 146 | Activation of Wnt/Î²-Catenin Signaling Increases Apoptosis in Melanoma Cells Treated with Trail. PLoS ONE, 2013, 8, e69593. | 2.5 | 78 |
| 147 | Stromelysin-1 and mesothelin are differentially regulated by Wnt-5a and Wnt-1 in C57mg mouse mammary epithelial cells. , 2003, 3, 2. | | 77 |
| 148 | Isolation of cDNAs partially encoding four Xenopus proteins and characterization of their transient expression during embryonic development. Developmental Biology, 1991, 143, 230-234. | 2.0 | 76 |
| 149 | Adiponectin Haploinsufficiency Promotes Mammary Tumor Development in MMTV-PyVT Mice by Modulation of Phosphatase and Tensin Homolog Activities. PLoS ONE, 2009, 4, e4968. | 2.5 | 75 |
| 150 | The CCN family member Wisp3, mutant in progressive pseudorheumatoid dysplasia, modulates BMP and Wnt signaling. Journal of Clinical Investigation, 2007, 117, 3075-3086. | 8.2 | 75 |
| 151 | Zebrafish Dapper1 and Dapper2 play distinct roles in Wnt-mediated developmental processes. Development (Cambridge), 2004, 131, 5909-5921. | 2.5 | 74 |
| 152 | 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. Endocrinology, 2007, 148, 4226-4237. | 2.8 | 74 |
| 153 | Endothelium and NOTCH specify and amplify aorta-gonad-mesonephrosâ€“derived hematopoietic stem cells. Journal of Clinical Investigation, 2015, 125, 2032-2045. | 8.2 | 74 |
| 154 | Î²-Catenin Signaling Increases in Proliferating NG2+ Progenitors and Astrocytes during Post-Traumatic Gliogenesis in the Adult Brain. Stem Cells, 2010, 28, 297-307. | 3.2 | 71 |
| 155 | Wnt/Î²-catenin signaling promotes regeneration after adult zebrafish spinal cord injury. Biochemical and Biophysical Research Communications, 2016, 477, 952-956. | 2.1 | 70 |
| 156 | nemo-like kinase is an essential co-activator of Wnt signaling during early zebrafish development. Development (Cambridge), 2004, 131, 2899-2909. | 2.5 | 69 |
| 157 | Posterior malformations in Dact1 mutant mice arise through misregulated Vangl2 at the primitive streak. Nature Genetics, 2009, 41, 977-985. | 21.4 | 69 |
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