# Bryan T Macdonald

List of Publications by Year
in descending order



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|---|---|---|---|
| 36 papers | 8,989 citations | 257101 24 h-index | 360668 35 g-index |
| 36 all docs | 36 docs citations | 36 times ranked | 14255 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Wnt/Î²-Catenin Signaling: Components, Mechanisms, and Diseases. Developmental Cell, 2009, 17, 9-26. | 3.1 | 4,757 |
| 2 | Mutations of SCN1A, encoding a neuronal sodium channel, in two families with GEFS+2. Nature Genetics, 2000, 24, 343-345. | 9.4 | 910 |
| 3 | Frizzled and LRP5/6 Receptors for Wnt/Â-Catenin Signaling. Cold Spring Harbor Perspectives in Biology, 2012, 4, a007880-a007880. | 2.3 | 472 |
| 4 | Lrp5 functions in bone to regulate bone mass. Nature Medicine, 2011, 17, 684-691. | 15.2 | 404 |
| 5 | SnapShot: Noncanonical Wnt Signaling Pathways. Cell, 2007, 131, 1378.e1-1378.e2. | 13.5 | 284 |
| 6 | A Novel SCN1A Mutation Associated with Generalized Epilepsy with Febrile Seizures Plusâ€"and Prevalence of Variants in Patients with Epilepsy. American Journal of Human Genetics, 2001, 68, 866-873. | 2.6 | 254 |
| 7 | Wnt Stabilization of Î²-Catenin Reveals Principles for Morphogen Receptor-Scaffold Assemblies. Science, 2013, 340, 867-870. | 6.0 | 222 |
| 8 | Bone mass is inversely proportional to Dkk1 levels in mice. Bone, 2007, 41, 331-339. | 1.4 | 162 |
| 9 | Structural and molecular basis of ZNRF3/RNF43 transmembrane ubiquitin ligase inhibition by the Wnt agonist R-spondin. Nature Communications, 2013, 4, 2787. | 5.8 | 161 |
| 10 | Notum Is Required for Neural and Head Induction via Wnt Deacylation, Oxidation, and Inactivation. Developmental Cell, 2015, 32, 719-730. | 3.1 | 155 |
| 11 | SnapShot: Wnt/Î²-Catenin Signaling. Cell, 2007, 131, 1204.e1-1204.e2. | 13.5 | 149 |
| 12 | Tiki1 Is Required for Head Formation via Wnt Cleavage-Oxidation and Inactivation. Cell, 2012, 149, 1565-1577. | 13.5 | 125 |
| 13 | Hypomorphic expression of Dkk1 in the doubleridgemouse: dose dependence and compensatory interactions with Lrp6. Development (Cambridge), 2004, 131, 2543-2552. | 1.2 | 114 |
| 14 | Structural and Functional Studies of LRP6 Ectodomain Reveal a Platform for Wnt Signaling. Developmental Cell, 2011, 21, 848-861. | 3.1 | 109 |
| 15 | Wnt Signal Amplification via Activity, Cooperativity, and Regulation of Multiple Intracellular PPPSP Motifs in the Wnt Co-receptor LRP6. Journal of Biological Chemistry, 2008, 283, 16115-16123. | 1.6 | 82 |
| 16 | Disulfide Bond Requirements for Active Wnt Ligands. Journal of Biological Chemistry, 2014, 289, 18122-18136. | 1.6 | 76 |
| 17 | En1 and Wnt7a interact with Dkk1 during limb development in the mouse. Developmental Biology, 2004, 272, 134-144. | 0.9 | 65 |
| 18 | Somatic mutation as a mechanism of Wnt/Î²-catenin pathway activation in CLL. Blood, 2014, 124, 1089-1098. | 0.6 | 65 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Dissecting Molecular Differences between Wnt Coreceptors LRP5 and LRP6. PLoS ONE, 2011, 6, e23537. | 1.1 | 60 |
| 20 | Sodium Channels and Neurological Disease: Insights from Scn8a Mutations in the Mouse. Neuroscientist, 2001, 7, 136-145. | 2.6 | 58 |
| 21 | Canonical Wnt signaling in megakaryocytes regulates proplatelet formation. Blood, 2013, 121, 188-196. | 0.6 | 42 |
| 22 | Characterization of Tiki, a New Family of Wnt-specific Metalloproteases. Journal of Biological Chemistry, 2016, 291, 2435-2443. | 1.6 | 38 |
| 23 | Doubleridge, a mouse mutant with defective compaction of the apical ectodermal ridge and normal dorsalâ€“ventral patterning of the limb. Developmental Biology, 2003, 255, 350-362. | 0.9 | 37 |
| 24 | Reply to Lrp5 regulation of bone mass and gut serotonin synthesis. Nature Medicine, 2014, 20, 1229-1230. | 15.2 | 26 |
| 25 | The TIKI/TraB/PrgY Family: A Common Protease Fold for Cell Signaling from Bacteria to Metazoa?. Developmental Cell, 2013, 25, 225-227. | 3.1 | 24 |
| 26 | Dkk1 in the peri-cloaca mesenchyme regulates formation of anorectal and genitourinary tracts. Developmental Biology, 2014, 385, 41-51. | 0.9 | 22 |
| 27 | Coronary Disease Association With ADAMTS7 Is Due to Protease Activity. Circulation Research, 2021, 129, 458-470. | 2.0 | 22 |
| 28 | Mutations of Voltage-gated Sodium Channels in Movement Disorders and Epilepsy. Novartis Foundation Symposium, 2008, , 72-86. | 1.2 | 20 |
| 29 | A finger on the pulse of Wnt receptor signaling. Cell Research, 2012, 22, 1410-1412. | 5.7 | 20 |
| 30 | High Bone Massâ€“Causing Mutant LRP5 Receptors Are Resistant to Endogenous Inhibitors <i>In Vivo</i>. Journal of Bone and Mineral Research, 2015, 30, 1822-1830. | 3.1 | 20 |
| 31 | Expression and evolution of the Tiki1 and Tiki2 genes in vertebrates. International Journal of Developmental Biology, 2014, 58, 355-362. | 0.3 | 11 |
| 32 | Rare, Damaging DNA Variants in <i>CORIN</i> and Risk of Coronary Artery Disease: Insights From Functional Genomics and Large-Scale Sequencing Analyses. Circulation Genomic and Precision Medicine, 2021, 14, e003399. | 1.6 | 10 |
| 33 | TAILS Identifies Candidate Substrates and Biomarkers of ADAMTS7, a Therapeutic Protease Target in Coronary Artery Disease. Molecular and Cellular Proteomics, 2022, 21, 100223. | 2.5 | 7 |
| 34 | Genome-wide pleiotropy analysis of coronary artery disease and pneumonia identifies shared immune pathways. Science Advances, 2022, 8, eabl4602. | 4.7 | 4 |
| 35 | Development of a novel, sensitive cell-based corin assay. Biochemical Pharmacology, 2019, 160, 62-70. | 2.0 | 2 |
| 36 | Reduction of the Wnt Inhibitor Dkk1 Correlates With Improved Bone Mechanical and Morphological Properties in Mice. , 2007, , . |  | 0 |