

Bryan T Macdonald

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

8,989
citations

257450

24
h-index

361022

35
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36
all docs

36
docs citations

36
times ranked

14255
citing authors

#	ARTICLE	IF	CITATIONS
1	Wnt/ β -Catenin Signaling: Components, Mechanisms, and Diseases. <i>Developmental Cell</i> , 2009, 17, 9-26.	7.0	4,757
2	Mutations of SCN1A, encoding a neuronal sodium channel, in two families with GEFS+2. <i>Nature Genetics</i> , 2000, 24, 343-345.	21.4	910
3	Frizzled and LRP5/6 Receptors for Wnt/ β -Catenin Signaling. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a007880-a007880.	5.5	472
4	Lrp5 functions in bone to regulate bone mass. <i>Nature Medicine</i> , 2011, 17, 684-691.	30.7	404
5	SnapShot: Noncanonical Wnt Signaling Pathways. <i>Cell</i> , 2007, 131, 1378.e1-1378.e2.	28.9	284
6	A Novel SCN1A Mutation Associated with Generalized Epilepsy with Febrile Seizures Plus and Prevalence of Variants in Patients with Epilepsy. <i>American Journal of Human Genetics</i> , 2001, 68, 866-873.	6.2	254
7	Wnt Stabilization of β -Catenin Reveals Principles for Morphogen Receptor-Scaffold Assemblies. <i>Science</i> , 2013, 340, 867-870.	12.6	222
8	Bone mass is inversely proportional to Dkk1 levels in mice. <i>Bone</i> , 2007, 41, 331-339.	2.9	162
9	Structural and molecular basis of ZNRF3/RNF43 transmembrane ubiquitin ligase inhibition by the Wnt agonist R-spondin. <i>Nature Communications</i> , 2013, 4, 2787.	12.8	161
10	Notum Is Required for Neural and Head Induction via Wnt Deacylation, Oxidation, and Inactivation. <i>Developmental Cell</i> , 2015, 32, 719-730.	7.0	155
11	SnapShot: Wnt/ β -Catenin Signaling. <i>Cell</i> , 2007, 131, 1204.e1-1204.e2.	28.9	149
12	Tiki1 Is Required for Head Formation via Wnt Cleavage-Oxidation and Inactivation. <i>Cell</i> , 2012, 149, 1565-1577.	28.9	125
13	Hypomorphic expression of Dkk1 in the doubleridgemouse: dose dependence and compensatory interactions with Lrp6. <i>Development (Cambridge)</i> , 2004, 131, 2543-2552.	2.5	114
14	Structural and Functional Studies of LRP6 Ectodomain Reveal a Platform for Wnt Signaling. <i>Developmental Cell</i> , 2011, 21, 848-861.	7.0	109
15	Wnt Signal Amplification via Activity, Cooperativity, and Regulation of Multiple Intracellular PPPSP Motifs in the Wnt Co-receptor LRP6. <i>Journal of Biological Chemistry</i> , 2008, 283, 16115-16123.	3.4	82
16	Disulfide Bond Requirements for Active Wnt Ligands. <i>Journal of Biological Chemistry</i> , 2014, 289, 18122-18136.	3.4	76
17	En1 and Wnt7a interact with Dkk1 during limb development in the mouse. <i>Developmental Biology</i> , 2004, 272, 134-144.	2.0	65
18	Somatic mutation as a mechanism of Wnt/ β -catenin pathway activation in CLL. <i>Blood</i> , 2014, 124, 1089-1098.	1.4	65

#	ARTICLE	IF	CITATIONS
19	Dissecting Molecular Differences between Wnt Coreceptors LRP5 and LRP6. <i>PLoS ONE</i> , 2011, 6, e23537.	2.5	60
20	Sodium Channels and Neurological Disease: Insights from Scn8a Mutations in the Mouse. <i>Neuroscientist</i> , 2001, 7, 136-145.	3.5	58
21	Canonical Wnt signaling in megakaryocytes regulates proplatelet formation. <i>Blood</i> , 2013, 121, 188-196.	1.4	42
22	Characterization of Tiki, a New Family of Wnt-specific Metalloproteases. <i>Journal of Biological Chemistry</i> , 2016, 291, 2435-2443.	3.4	38
23	Doubleridge, a mouse mutant with defective compaction of the apical ectodermal ridge and normal dorsal-ventral patterning of the limb. <i>Developmental Biology</i> , 2003, 255, 350-362.	2.0	37
24	Reply to Lrp5 regulation of bone mass and gut serotonin synthesis. <i>Nature Medicine</i> , 2014, 20, 1229-1230.	30.7	26
25	The TIKI/TraB/PrgY Family: A Common Protease Fold for Cell Signaling from Bacteria to Metazoa?. <i>Developmental Cell</i> , 2013, 25, 225-227.	7.0	24
26	Dkk1 in the peri-cloaca mesenchyme regulates formation of anorectal and genitourinary tracts. <i>Developmental Biology</i> , 2014, 385, 41-51.	2.0	22
27	Coronary Disease Association With ADAMTS7 Is Due to Protease Activity. <i>Circulation Research</i> , 2021, 129, 458-470.	4.5	22
28	Mutations of Voltage-gated Sodium Channels in Movement Disorders and Epilepsy. <i>Novartis Foundation Symposium</i> , 2008, , 72-86.	1.1	20
29	A finger on the pulse of Wnt receptor signaling. <i>Cell Research</i> , 2012, 22, 1410-1412.	12.0	20
30	High Bone Mass-Causing Mutant LRP5 Receptors Are Resistant to Endogenous Inhibitors <i>In Vivo</i> . <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1822-1830.	2.8	20
31	Expression and evolution of the Tiki1 and Tiki2 genes in vertebrates. <i>International Journal of Developmental Biology</i> , 2014, 58, 355-362.	0.6	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. <i>Circulation Genomic and Precision Medicine</i> , 2021, 14, e003399.	3.6	10
33	TAILS Identifies Candidate Substrates and Biomarkers of ADAMTS7, a Therapeutic Protease Target in Coronary Artery Disease. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100223.	3.8	7
34	Genome-wide pleiotropy analysis of coronary artery disease and pneumonia identifies shared immune pathways. <i>Science Advances</i> , 2022, 8, eabl4602.	10.3	4
35	Development of a novel, sensitive cell-based corin assay. <i>Biochemical Pharmacology</i> , 2019, 160, 62-70.	4.4	2
36	Reduction of the Wnt Inhibitor Dkk1 Correlates With Improved Bone Mechanical and Morphological Properties in Mice. , 2007, , .		0