

# Donal MacGrogan

## List of Publications by Year in descending order

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42  
papers

4,784  
citations

172457

29  
h-index

289244

40  
g-index

45  
all docs

45  
docs citations

45  
times ranked

7759  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel source of arterial valve cells linked to bicuspid aortic valve without raphe in mice. <i>ELife</i> , 2018, 7, .	6.0	979
2	Neuronal SIRT1 Activation as a Novel Mechanism Underlying the Prevention of Alzheimer Disease Amyloid Neuropathology by Calorie Restriction*. <i>Journal of Biological Chemistry</i> , 2006, 281, 21745-21754.	3.4	567
3	Mutations in the NOTCH pathway regulator MIB1 cause left ventricular noncompaction cardiomyopathy. <i>Nature Medicine</i> , 2013, 19, 193-201.	30.7	296
4	A ketogenic diet as a potential novel therapeutic intervention in amyotrophic lateral sclerosis. <i>BMC Neuroscience</i> , 2006, 7, 29.	1.9	241
5	1,25-Dihydroxyvitamin D3 is a potent inducer of nerve growth factor synthesis. <i>Journal of Neuroscience Research</i> , 1991, 28, 110-114.	2.9	196
6	Comparative genomic hybridization, allelic imbalance, and fluorescence in situ hybridization on chromosome 8 in prostate cancer. <i>Genes Chromosomes and Cancer</i> , 1994, 11, 153-162.	2.8	180
7	Endocardial Notch Signaling in Cardiac Development and Disease. <i>Circulation Research</i> , 2016, 118, e1-e18.	4.5	179
8	Notch and interacting signalling pathways in cardiac development, disease, and regeneration. <i>Nature Reviews Cardiology</i> , 2018, 15, 685-704.	13.7	173
9	Loss of chromosome arm 8p loci in prostate cancer: Mapping by quantitative allelic imbalance. <i>Genes Chromosomes and Cancer</i> , 1994, 10, 151-159.	2.8	167
10	Differential Notch Signaling in the Epicardium Is Required for Cardiac Inflow Development and Coronary Vessel Morphogenesis. <i>Circulation Research</i> , 2011, 108, 824-836.	4.5	149
11	Histone H4 lysine 20 monomethylation promotes transcriptional repression by L3MBTL1. <i>Oncogene</i> , 2008, 27, 4293-4304.	5.9	137
12	Comparative mutational analysis of DPC4 (Smad4) in prostatic and colorectal carcinomas. <i>Oncogene</i> , 1997, 15, 1111-1114.	5.9	117
13	Structure and Methylation-Associated Silencing of a Gene within a Homozygously Deleted Region of Human Chromosome Band 8p22. <i>Genomics</i> , 1996, 35, 55-65.	2.9	114
14	Expression of Nerve Growth Factor and Nerve Growth Factor Receptor Genes in Human Tissues and in Prostatic Adenocarcinoma Cell Lines. <i>Journal of Neurochemistry</i> , 1992, 59, 1381-1391.	3.9	106
15	Physical Mapping of Chromosome 8p22 Markers and Their Homozygous Deletion in a Metastatic Prostate Cancer. <i>Genomics</i> , 1996, 35, 46-54.	2.9	104
16	The Human L(3)MBT Polycomb Group Protein Is a Transcriptional Repressor and Interacts Physically and Functionally with TEL (ETV6). <i>Journal of Biological Chemistry</i> , 2003, 278, 15412-15420.	3.4	102
17	Sequential Ligand-Dependent Notch Signaling Activation Regulates Valve Primordium Formation and Morphogenesis. <i>Circulation Research</i> , 2016, 118, 1480-1497.	4.5	85
18	Diet-Induced Aortic Valve Disease in Mice Haploinsufficient for the Notch Pathway Effector RBPJ/CSL. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1580-1588.	2.4	83

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19	Induction of C/EBP $\beta$ activity alters gene expression and differentiation of human CD34+ cells. <i>Blood</i> , 2003, 101, 2206-2214.	1.4	76
20	Notch Signaling in Cardiac Development and Disease. <i>Current Topics in Developmental Biology</i> , 2010, 92, 333-365.	2.2	74
21	Notch signaling in cardiac valve development and disease. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2011, 91, 449-459.	1.6	63
22	How to Make a Heart Valve: From Embryonic Development to Bioengineering of Living Valve Substitutes. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014, 4, a013912-a013912.	6.2	63
23	Malignant Brain Tumor Repeats. <i>Structure</i> , 2003, 11, 775-789.	3.3	61
24	Tumour suppressor genes in prostate cancer. <i>Seminars in Cancer Biology</i> , 1997, 8, 11-19.	9.6	51
25	Endothelial Jag1-RBPJ signalling promotes inflammatory leucocyte recruitment and atherosclerosis. <i>Cardiovascular Research</i> , 2016, 112, 568-580.	3.8	49
26	Phorbol 12-myristate 13-acetate (PMA) increases the expression of the nerve growth factor (NGF) gene in mouse L-929 fibroblasts. <i>FEBS Letters</i> , 1990, 262, 42-44.	2.8	44
27	Expression of the $\beta$ -nerve growth factor gene in male sex organs of the mouse, rat, and guinea pig. <i>Journal of Neuroscience Research</i> , 1991, 28, 567-573.	2.9	41
28	Caloric Intake and Alzheimer's Disease. , 2006, 35, 159-175.		40
29	Structural integrity and expression of the <i>L3MBTL</i> gene in normal and malignant hematopoietic cells. <i>Genes Chromosomes and Cancer</i> , 2004, 41, 203-213.	2.8	37
30	Identification of candidate genes on chromosome band 20q12 by physical mapping of translocation breakpoints found in myeloid leukemia cell lines. <i>Oncogene</i> , 2001, 20, 4150-4160.	5.9	35
31	Frequent gain of chromosome 19 in megakaryoblastic leukemias detected by comparative genomic hybridization. <i>Genes Chromosomes and Cancer</i> , 2001, 32, 285-293.	2.8	29
32	De novo erythroleukemia chromosome features include multiple rearrangements, with special involvement of chromosomes 11 and 19. <i>Genes Chromosomes and Cancer</i> , 2003, 36, 406-412.	2.8	27
33	Coronary arterial development is regulated by a Dll4-Jag1-EphrinB2 signaling cascade. <i>ELife</i> , 2019, 8, .	6.0	27
34	Yeast Artificial Chromosome and Radiation Hybrid Map of Loci in Chromosome Band 8p22, a Common Region of Allelic Loss in Multiple Human Cancers. <i>Genomics</i> , 1994, 24, 317-323.	2.9	21
35	Chromosome 19 abnormalities are commonly seen in AML, M7. <i>Blood</i> , 2002, 100, 3838-3838.	1.4	20
36	Fibrous Caps in Atherosclerosis Form by Notch-Dependent Mechanisms Common to Arterial Media Development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, e427-e439.	2.4	18

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37	Identification of a peripheral blood gene signature predicting aortic valve calcification. <i>Physiological Genomics</i> , 2020, 52, 563-574.	2.3	11
38	Genetic and functional genomics approaches targeting the Notch pathway in cardiac development and congenital heart disease. <i>Briefings in Functional Genomics</i> , 2014, 13, 15-27.	2.7	10
39	Heterotopic ossification in mice overexpressing Bmp2 in Tie2+ lineages. <i>Cell Death and Disease</i> , 2021, 12, 729.	6.3	8
40	Cytogenetic characterization reveals that the SAM-1 erythroid cell line is derived from K-562 cells. <i>Blood</i> , 2002, 100, 3435-3435.	1.4	2
41	DACH1-Driven Arterialization: Angiogenic Therapy for Ischemic Heart Disease?. <i>Circulation Research</i> , 2021, 129, 717-719.	4.5	2
42	Identification of Candidate Oncogenes in Acute Megakaryoblastic Leukemias with Gain of Chromosome 19.. <i>Blood</i> , 2004, 104, 2023-2023.	1.4	0