

# Richard W Padgett

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

3,945  
citations

279487

23  
h-index

395343

33  
g-index

37  
all docs

37  
docs citations

37  
times ranked

4182  
citing authors

#	ARTICLE	IF	CITATIONS
1	Methylation as a Crucial Step in Plant microRNA Biogenesis. <i>Science</i> , 2005, 307, 932-935.	6.0	967
2	A transcript from a <i>Drosophila</i> pattern gene predicts a protein homologous to the transforming growth factor- $\beta^2$ family. <i>Nature</i> , 1987, 325, 81-84.	13.7	782
3	TGF $\beta^2$ -related pathways. <i>Trends in Genetics</i> , 2000, 16, 27-33.	2.9	237
4	Incorporating structure to predict microRNA targets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4006-4009.	3.3	218
5	Pioneer Axon Guidance by UNC-129, a <i>C. elegans</i> TGF- $\beta$ , 1998, 281, 706-709.		194
6	Modulated microRNA expression during adult lifespan in <i>Caenorhabditis elegans</i> . <i>Aging Cell</i> , 2006, 5, 235-246.	3.0	181
7	Nomenclature: Vertebrate Mediators of TGF $\beta^2$ Family Signals. <i>Cell</i> , 1996, 87, 173.	13.5	177
8	Transforming growth factor $\beta^2$ signaling mediators and modulators. <i>Gene</i> , 2000, 249, 17-30.	1.0	164
9	TGF- $\beta^2$ signaling, Smads, and tumor suppressors. <i>BioEssays</i> , 1998, 20, 382-390.	1.2	91
10	Glypican LON-2 Is a Conserved Negative Regulator of BMP-like Signaling in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2007, 17, 159-164.	1.8	86
11	The TGF- $\beta^2$ Family in <i>Caenorhabditis elegans</i> . <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a022178.	2.3	77
12	BMP signaling requires retromer-dependent recycling of the type I receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2578-2583.	3.3	69
13	Regulation of genes affecting body size and innate immunity by the DBL-1/BMP-like pathway in <i>Caenorhabditis elegans</i> . <i>BMC Developmental Biology</i> , 2010, 10, 61.	2.1	66
14	lon-1 Regulates <i>Caenorhabditis elegans</i> Body Size Downstream of the dbl-1 TGF $\beta^2$ Signaling Pathway. <i>Developmental Biology</i> , 2002, 246, 418-428.	0.9	61
15	Genetic screen for small body size mutants in <i>C. elegans</i> reveals many TGF $\beta$ pathway components. <i>Genesis</i> , 2003, 35, 239-247.	0.8	59
16	Efficient Screening of CRISPR/Cas9-Induced Events in <i>Drosophila</i> Using a Co-CRISPR Strategy. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 87-93.	0.8	58
17	MicroRNAs: Small regulators with a big impact. <i>Cytokine and Growth Factor Reviews</i> , 2005, 16, 387-393.	3.2	54
18	The other side of TGF- $\beta^2$ superfamily signal regulation: thinking outside the cell. <i>Trends in Endocrinology and Metabolism</i> , 2002, 13, 295-299.	3.1	48

#	ARTICLE	IF	CITATIONS
19	Matters of context guide future research in TGF $\beta$ 2 superfamily signaling. <i>Science Signaling</i> , 2015, 8, re10.	1.6	44
20	<i>Drosophila</i> dSmad2 and Atr-I transmit activin/TGF $\beta$ 2 signals. <i>Genes To Cells</i> , 1999, 4, 123-134.	0.5	41
21	SMA-3 Smad Has Specific and Critical Functions in DBL-1/SMA-6 TGF $\beta$ 2-Related Signaling. <i>Developmental Biology</i> , 2000, 223, 70-76.	0.9	39
22	<i>C. elegans</i> serine-threonine kinase KIN-29 modulates TGF $\beta$ signaling and regulates body size formation. <i>BMC Developmental Biology</i> , 2005, 5, 8.	2.1	38
23	<i>Caenorhabditis elegans</i> SMA-10/LRIG Is a Conserved Transmembrane Protein that Enhances Bone Morphogenetic Protein Signaling. <i>PLoS Genetics</i> , 2010, 6, e1000963.	1.5	36
24	Insulin worms its way into the spotlight. <i>Genes and Development</i> , 2003, 17, 813-818.	2.7	31
25	bantam Is Required for Optic Lobe Development and Glial Cell Proliferation. <i>PLoS ONE</i> , 2012, 7, e32910.	1.1	26
26	TGF $\beta$ signaling pathways and human diseases. , 1999, 18, 247-259.		17
27	Genetic interactions between the DBL-1/BMP-like pathway and <i>dpy</i> body size-associated genes in <i>Caenorhabditis elegans</i> . <i>Molecular Biology of the Cell</i> , 2019, 30, 3151-3160.	0.9	16
28	Intracellular signaling: Fleshing out the TGF $\beta$ 2 pathway. <i>Current Biology</i> , 1999, 9, R408-R411.	1.8	11
29	<i>C. elegans</i> SMA-10 regulates BMP receptor trafficking. <i>PLoS ONE</i> , 2017, 12, e0180681.	1.1	10
30	TGF $\beta$ 2 superfamily signaling: notes from the desert. <i>Development (Cambridge)</i> , 2007, 134, 3565-3569.	1.2	8
31	bantam microRNA is a negative regulator of the <i>Drosophila</i> decapentaplegic pathway. <i>Fly</i> , 2018, 12, 105-117.	0.9	8
32	A small issue addressed. <i>BioEssays</i> , 2003, 25, 305-308.	1.2	7
33	Mutagenesis and Imaging Studies of BMP Signaling Mechanisms in <i>C. elegans</i> . <i>Methods in Molecular Biology</i> , 2019, 1891, 51-73.	0.4	7
34	Human Marfan and Marfan-like Syndrome associated mutations lead to altered trafficking of the Type II TGF $\beta$ 2 receptor in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2019, 14, e0216628.	1.1	4
35	<i>C. Elegans</i> TGF- $\beta$ 2 Signaling Pathways. , 2006, , 37-53.		1