

Frank Costantini

List of Publications by Year in descending order

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36
papers

6,542
citations

236612

25
h-index

395343

33
g-index

61
all docs

61
docs citations

61
times ranked

4945
citing authors

#	ARTICLE	IF	CITATIONS
1	Defects in the kidney and enteric nervous system of mice lacking the tyrosine kinase receptor Ret. <i>Nature</i> , 1994, 367, 380-383.	13.7	1,516
2	GDNF signalling through the Ret receptor tyrosine kinase. <i>Nature</i> , 1996, 381, 789-793.	13.7	805
3	Patterning a Complex Organ: Branching Morphogenesis and Nephron Segmentation in Kidney Development. <i>Developmental Cell</i> , 2010, 18, 698-712.	3.1	596
4	Developmental regulation of human fetal-to-adult globin gene switching in transgenic mice. <i>Nature</i> , 1990, 344, 309-313.	13.7	354
5	Erythropoietin receptor signalling is required for normal brain development. <i>Development (Cambridge)</i> , 2002, 129, 505-516.	1.2	311
6	GDNF/Ret signaling and the development of the kidney. <i>BioEssays</i> , 2006, 28, 117-127.	1.2	275
7	Rescue of erythroid development in gene targeted GATA ¹ mouse embryonic stem cells. <i>Nature Genetics</i> , 1992, 1, 92-98.	9.4	255
8	Domains of Axin Involved in Protein-Protein Interactions, Wnt Pathway Inhibition, and Intracellular Localization. <i>Journal of Cell Biology</i> , 1999, 145, 741-756.	2.3	246
9	Vitamin A controls epithelial/mesenchymal interactions through Ret expression. <i>Nature Genetics</i> , 2001, 27, 74-78.	9.4	240
10	The Role of GDNF/Ret Signaling in Ureteric Bud Cell Fate and Branching Morphogenesis. <i>Developmental Cell</i> , 2005, 8, 65-74.	3.1	220
11	Etv4 and Etv5 are required downstream of GDNF and Ret for kidney branching morphogenesis. <i>Nature Genetics</i> , 2009, 41, 1295-1302.	9.4	199
12	Ret-Dependent Cell Rearrangements in the Wolffian Duct Epithelium Initiate Ureteric Bud Morphogenesis. <i>Developmental Cell</i> , 2009, 17, 199-209.	3.1	193
13	Real-time analysis of ureteric bud branching morphogenesis in vitro. <i>Developmental Biology</i> , 2004, 271, 98-108.	0.9	188
14	Renal branching morphogenesis: concepts, questions, and recent advances. <i>Differentiation</i> , 2006, 74, 402-421.	1.0	162
15	Impaired mammary gland and lymphoid development caused by inducible expression of Axin in transgenic mice. <i>Journal of Cell Biology</i> , 2001, 155, 1055-1064.	2.3	118
16	Luminal Mitosis Drives Epithelial Cell Dispersal within the Branching Ureteric Bud. <i>Developmental Cell</i> , 2013, 27, 319-330.	3.1	100
17	Genetic controls and cellular behaviors in branching morphogenesis of the renal collecting system. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2012, 1, 693-713.	5.9	97
18	The Number of Fetal Nephron Progenitor Cells Limits Ureteric Branching and Adult Nephron Endowment. <i>Cell Reports</i> , 2014, 7, 127-137.	2.9	95

#	ARTICLE	IF	CITATIONS
19	GDNF/Ret signaling and renal branching morphogenesis. <i>Organogenesis</i> , 2010, 6, 252-262.	0.4	94
20	Ret and Etv4 Promote Directed Movements of Progenitor Cells during Renal Branching Morphogenesis. <i>PLoS Biology</i> , 2016, 14, e1002382.	2.6	78
21	The human erythropoietin receptor gene rescues erythropoiesis and developmental defects in the erythropoietin receptor null mouse. <i>Blood</i> , 2001, 98, 475-477.	0.6	74
22	Mitogen-Activated Protein Kinase (MAPK) Pathway Regulates Branching by Remodeling Epithelial Cell Adhesion. <i>PLoS Genetics</i> , 2014, 10, e1004193.	1.5	59
23	ETS-related Transcription Factors ETV4 and ETV5 Are Involved in Proliferation and Induction of Differentiation-associated Genes in Embryonic Stem (ES) Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 22460-22473.	1.6	58
24	A transgenic mouse that reveals cell shape and arrangement during ureteric bud branching. <i>Genesis</i> , 2009, 47, 61-66.	0.8	55
25	Non-canonical Wnt5a/Ror2 signaling regulates kidney morphogenesis by controlling intermediate mesoderm extension. <i>Human Molecular Genetics</i> , 2014, 23, 6807-6814.	1.4	43
26	K:Cl cotransport in red cells of transgenic mice expressing high levels of human hemoglobin S. , 1997, 55, 112-114.		19
27	Dissection of Embryonic Mouse Kidney, Culture In Vitro, and Imaging of the Developing Organ. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.prot5613-pdb.prot5613.	0.2	18
28	Nephric duct insertion requires EphA4/EphA7 signaling from the pericloacal mesenchyme. <i>Development (Cambridge)</i> , 2014, 141, 3420-3430.	1.2	18
29	Mosaic analysis of cell rearrangements during ureteric bud branching in dissociated/reaggregated kidney cultures and in vivo. <i>Developmental Dynamics</i> , 2016, 245, 483-496.	0.8	16
30	Functional Analysis of IL6 and IL6DBP/C/EBP β by Gene Targeting. <i>Annals of the New York Academy of Sciences</i> , 1995, 762, 262-273.	1.8	14
31	Unusual inheritance of the AxinFu mutation in mice is associated with widespread rearrangements in the proximal region of chromosome 17. <i>Genetical Research</i> , 2000, 76, 135-147.	0.3	10
32	RET Signaling in Ureteric Bud Formation and Branching. , 2016, , 41-56.		6
33	Developmental mosaicism may explain spontaneous reappearance of the AxinFu mutation in mice. <i>Genesis</i> , 2001, 29, 49-54.	0.8	5
34	Ret signaling in ureteric bud epithelial cells controls cell movements, cell clustering and bud formation. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	3
35	Generating Genetic Mosaic Mouse Embryos or Organoids for Studies of Kidney Development. <i>Methods in Molecular Biology</i> , 2019, 1926, 3-21.	0.4	1
36	A transgenic mouse that reveals cell shape and arrangement during ureteric bud branching. <i>Genesis</i> , 2009, 47, spcone.	0.8	0