

# Ondine Cleaver

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

5,957  
citations

109321

35  
h-index

85541

71  
g-index

83  
all docs

83  
docs citations

83  
times ranked

10386  
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of Pancreatic Differentiation by Signals from Blood Vessels. <i>Science</i> , 2001, 294, 564-567.	12.6	977
2	Role of endothelial cells in early pancreas and liver development. <i>Mechanisms of Development</i> , 2003, 120, 59-64.	1.7	484
3	Endothelial signaling during development. <i>Nature Medicine</i> , 2003, 9, 661-668.	30.7	455
4	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018, 21, 425-532.	7.2	429
5	Dependence of Mouse Embryonic Stem Cells on Threonine Catabolism. <i>Science</i> , 2009, 325, 435-439.	12.6	318
6	Epithelial dynamics of pancreatic branching morphogenesis. <i>Development (Cambridge)</i> , 2010, 137, 4295-4305.	2.5	192
7	Prospective Isolation of Skeletal Muscle Stem Cells with a Pax7 Reporter. <i>Stem Cells</i> , 2008, 26, 3194-3204.	3.2	152
8	Blood Vessel Tubulogenesis Requires Rasip1 Regulation of GTPase Signaling. <i>Developmental Cell</i> , 2011, 20, 526-539.	7.0	148
9	Neovascularization of the <i>Xenopus</i> embryo. <i>Developmental Dynamics</i> , 1997, 210, 66-77.	1.8	129
10	Autophagy is essential for cardiac morphogenesis during vertebrate development. <i>Autophagy</i> , 2014, 10, 572-587.	9.1	117
11	Prospective isolation and global gene expression analysis of definitive and visceral endoderm. <i>Developmental Biology</i> , 2007, 304, 541-555.	2.0	114
12	Biphasic Ngn3 expression in the developing pancreas. <i>Developmental Dynamics</i> , 2008, 237, 3270-3279.	1.8	114
13	Lymphoangiocrine signals promote cardiac growth and repair. <i>Nature</i> , 2020, 588, 705-711.	27.8	103
14	Notochord Patterning of the Endoderm. <i>Developmental Biology</i> , 2001, 234, 1-12.	2.0	101
15	Stepwise arteriovenous fate acquisition during mammalian vasculogenesis. <i>Developmental Dynamics</i> , 2011, 240, 2153-2165.	1.8	101
16	BMP and BMP receptor expression during murine organogenesis. <i>Gene Expression Patterns</i> , 2009, 9, 255-265.	0.8	95
17	Blood vessels restrain pancreas branching, differentiation and growth. <i>Development (Cambridge)</i> , 2011, 138, 4743-4752.	2.5	87
18	Vascular instruction of pancreas development. <i>Development (Cambridge)</i> , 2012, 139, 2833-2843.	2.5	87

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19	Bone Morphogenetic Protein 2 Signaling Negatively Modulates Lymphatic Development in Vertebrate Embryos. <i>Circulation Research</i> , 2014, 114, 56-66.	4.5	86
20	Endothelial-Specific Expression of WNK1 Kinase Is Essential for Angiogenesis and Heart Development in Mice. <i>American Journal of Pathology</i> , 2009, 175, 1315-1327.	3.8	83
21	Cdc42 is required for cytoskeletal support of endothelial cell adhesion during blood vessel formation. <i>Development (Cambridge)</i> , 2015, 142, 3058-70.	2.5	83
22	Molecular determinants of nephron vascular specialization in the kidney. <i>Nature Communications</i> , 2019, 10, 5705.	12.8	83
23	Tubulogenesis during blood vessel formation. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 993-1004.	5.0	82
24	HoxA3 is an apical regulator of haemogenic endothelium. <i>Nature Cell Biology</i> , 2011, 13, 72-78.	10.3	72
25	Endosomal sorting of Notch receptors through COMMD9-dependent pathways modulates Notch signaling. <i>Journal of Cell Biology</i> , 2015, 211, 605-617.	5.2	62
26	Wnt4 is essential to normal mammalian lung development. <i>Developmental Biology</i> , 2015, 406, 222-234.	2.0	58
27	(Re)Building a Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 1370-1378.	6.1	58
28	Xbp, a Vertebrate Gene Related to bagpipe, Is Expressed in Developing Craniofacial Structures and in Anterior Gut Muscle. <i>Developmental Biology</i> , 1997, 181, 223-233.	2.0	57
29	Integration of Repulsive Guidance Cues Generates Avascular Zones That Shape Mammalian Blood Vessels. <i>Circulation Research</i> , 2012, 110, 34-46.	4.5	57
30	Rasip1 is required for endothelial cell motility, angiogenesis and vessel formation. <i>Developmental Biology</i> , 2009, 329, 269-279.	2.0	55
31	Spatiotemporal heterogeneity and patterning of developing renal blood vessels. <i>Angiogenesis</i> , 2018, 21, 617-634.	7.2	55
32	Rasip1-Mediated Rho GTPase Signaling Regulates Blood Vessel Tubulogenesis via Nonmuscle Myosin II. <i>Circulation Research</i> , 2016, 119, 810-826.	4.5	51
33	Cdc42 and k-Ras Control Endothelial Tubulogenesis through Apical Membrane and Cytoskeletal Polarization: Novel Stimulatory Roles for GTPase Effectors, the Small GTPases, Rac2 and Rap1b, and Inhibitory Influence of Arhgap31 and Rasa1. <i>PLoS ONE</i> , 2016, 11, e0147758.	2.5	51
34	Ligand-induced EpoR internalization is mediated by JAK2 and p85 and is impaired by mutations responsible for primary familial and congenital polycythemia. <i>Blood</i> , 2009, 113, 5287-5297.	1.4	49
35	Rgs16 and Rgs8 in embryonic endocrine pancreas and mouse models of diabetes. <i>DMM Disease Models and Mechanisms</i> , 2010, 3, 567-580.	2.4	48
36	Compartmentalized metabolism supports midgestation mammalian development. <i>Nature</i> , 2022, 604, 349-353.	27.8	47

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37	Alk2/ACVR1 and Alk3/BMPR1A Provide Essential Function for Bone Morphogenetic Protein-Induced Retinal Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 657-663.	2.4	34
38	Crosstalk between the developing pancreas and its blood vessels: An evolving dialog. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 685-692.	5.0	33
39	Tcf19 is a novel islet factor necessary for proliferation and survival in the INS-1 $\beta$ -cell line. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E600-E610.	3.5	33
40	Rasip1 is essential to blood vessel stability and angiogenic blood vessel growth. <i>Angiogenesis</i> , 2016, 19, 173-190.	7.2	30
41	Building Blood Vessels—One Rho GTPase at a Time. <i>Cells</i> , 2019, 8, 545.	4.1	30
42	Resolution of defective dorsal aortae patterning in <i>Sema3E</i> -deficient mice occurs via angiogenic remodeling. <i>Developmental Dynamics</i> , 2013, 242, 580-590.	1.8	27
43	Pdx1 regulates pancreas tubulogenesis and E-cadherin expression. <i>Development (Cambridge)</i> , 2015, 143, 101-112.	2.5	27
44	EphB3 marks delaminating endocrine progenitor cells in the developing pancreas. <i>Developmental Dynamics</i> , 2012, 241, 1008-1019.	1.8	26
45	Role of CD34 family members in lumen formation in the developing kidney. <i>Developmental Biology</i> , 2016, 418, 66-74.	2.0	23
46	Vascularizing organogenesis: Lessons from developmental biology and implications for regenerative medicine. <i>Current Topics in Developmental Biology</i> , 2019, 132, 177-220.	2.2	23
47	Vascular deficiencies in renal organoids and ex vivo kidney organogenesis. <i>Developmental Biology</i> , 2021, 477, 98-116.	2.0	23
48	Annexin A3 Regulates Early Blood Vessel Formation. <i>PLoS ONE</i> , 2015, 10, e0132580.	2.5	22
49	Vascular development in the vertebrate pancreas. <i>Developmental Biology</i> , 2016, 420, 67-78.	2.0	21
50	Afadin and RhoA control pancreatic endocrine mass via lumen morphogenesis. <i>Genes and Development</i> , 2017, 31, 2376-2390.	5.9	21
51	LATS1/2 suppress NF $\kappa$ B and aberrant EMT initiation to permit pancreatic progenitor differentiation. <i>PLoS Biology</i> , 2019, 17, e3000382.	5.6	21
52	CDC42 is required for epicardial and pro-epicardial development by mediating FGF receptor trafficking to the plasma membrane. <i>Development (Cambridge)</i> , 2017, 144, 1635-1647.	2.5	20
53	Blood vessel crosstalk during organogenesis—focus on pancreas and endothelial cells. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2016, 5, 598-617.	5.9	19
54	1 Homeobox Genes in Cardiovascular Development. <i>Current Topics in Developmental Biology</i> , 1998, 40, 1-44.	2.2	18

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55	Rasip1 controls lymphatic vessel lumen maintenance by regulating endothelial cell junctions. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	17
56	Src- and Fyn-dependent apical membrane trafficking events control endothelial lumen formation during vascular tube morphogenesis. <i>PLoS ONE</i> , 2017, 12, e0184461.	2.5	15
57	Outside In: Inversion of Cell Polarity Controls Epithelial Lumen Formation. <i>Developmental Cell</i> , 2014, 31, 140-142.	7.0	13
58	Blood Vessel Signals During Development and Beyond. <i>Current Topics in Developmental Biology</i> , 2004, 62, 1-36.	2.2	10
59	Progenitor Epithelium. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 559-574.	2.5	10
60	Vascular patterning: coordinated signals keep blood vessels on track. <i>Current Opinion in Genetics and Development</i> , 2015, 32, 86-91.	3.3	10
61	Cyp26b1 is a critical regulator of distal airway epithelial differentiation during lung development. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	10
62	Annexin A3 is necessary for parallel artery&vein alignment in the mouse retina. <i>Developmental Dynamics</i> , 2020, 249, 666-678.	1.8	9
63	Mouse models of vascular development and disease. <i>Current Opinion in Hematology</i> , 2021, 28, 179-188.	2.5	9
64	Vascular Development. , 2010, , 487-528.		8
65	Developmental Molecular Biology of the Pancreas. , 2010, , 71-117.		7
66	Î² Cell Renewal versus Differentiation: Slow and Steady Wins the Race. <i>Developmental Cell</i> , 2017, 41, 223-225.	7.0	6
67	Plumbing our organs: Lessons from vascular development to instruct lab generated tissues. <i>Current Topics in Developmental Biology</i> , 2022, 148, 165-194.	2.2	5
68	Specifying the Pancreatic Islet through Biomechanical Forces. <i>New England Journal of Medicine</i> , 2019, 380, 1281-1283.	27.0	4
69	Recalibrating vascular malformations and mechanotransduction by pharmacological intervention. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	4
70	Developmental Molecular Biology of the Pancreas. , 2018, , 89-145.		3
71	The cell cortex as mediator of pancreatic epithelial development and endocrine differentiation. <i>Current Opinion in Genetics and Development</i> , 2022, 72, 118-127.	3.3	3
72	Cdc42 is required for cytoskeletal support of endothelial cell adhesion during blood vessel formation in mice. <i>Journal of Cell Science</i> , 2015, 128, e1.2-e1.2.	2.0	2

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73	Endothelial Cyp26b1 restrains murine heart valve growth during development. <i>Developmental Biology</i> , 2022, 486, 81-95.	2.0	2
74	<i>Developmental Molecular Biology of the Pancreas.</i> , 2016, , 1-57.		1
75	Part B: Directed Differentiation of Human Embryonic Stem Cells into Endothelial Cells. , 0, , 229-248.		0
76	The developing endothelium in action. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 975.	5.0	0
77	The Elusive Pancreatic Stem Cell. <i>Pancreatic Islet Biology</i> , 2015, , 99-133.	0.3	0
78	Cover Image, Volume 5, Issue 5. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2016, 5, i-i.	5.9	0
79	Rgs16 is a pancreatic reporter of chronic hyperglycemia in diabetes. <i>FASEB Journal</i> , 2012, 26, 759.6.	0.5	0
80	Angiodiversityâ€™A tale retold by comparative transcriptomics. , 2022, , 199-218.		0