S Paul Oh

List of Publications by Year
in descending order

65 papers	4,104 citations	109321 35 h-index	118850 62 g-index
67 all docs	67 docs citations	67 times ranked	4705 citing authors

#	Article	IF	Citations
1	Bone Marrow-Derived Alk1 Mutant Endothelial Cells and Clonally Expanded Somatic Alk1 Mutant Endothelial Cells Contribute to the Development of Brain Arteriovenous Malformations in Mice. Translational Stroke Research, 2022, 13, 494-504.	4.2	8
2	Novel experimental model of brain arteriovenous malformations using conditional Alk1 gene deletion in transgenic mice. Journal of Neurosurgery, 2022, 137, 163-174.	1.6	5
3	Genetics and Emerging Therapies for Brain Arteriovenous Malformations. World Neurosurgery, 2022, 159, 327-337.	1.3	6
4	Emerging pathogenic mechanisms in human brain arteriovenous malformations: a contemporary review in the multiomics era. Neurosurgical Focus, 2022, 53, E2.	2.3	6
5	Overexpression of Activin Receptor-Like Kinase 1 in Endothelial Cells Suppresses Development of Arteriovenous Malformations in Mouse Models of Hereditary Hemorrhagic Telangiectasia. Circulation Research, 2020, 127, 1122-1137.	4.5	31
6	TMEM100 is a key factor for specification of lymphatic endothelial progenitors. Angiogenesis, 2020, 23, 339-355.	7.2	15
7	Correcting Smad1/5/8, mTOR, and VEGFR2 treats pathology in hereditary hemorrhagic telangiectasia models. Journal of Clinical Investigation, 2020, 130, 942-957.	8.2	48
8	Recent Advances in Basic Research for Brain Arteriovenous Malformation. International Journal of Molecular Sciences, 2019, 20, 5324.	4.1	34
9	Pazopanib may reduce bleeding in hereditary hemorrhagic telangiectasia. Angiogenesis, 2019, 22, 145-155.	7.2	70
10	SMAD4 Deficiency Leads to Development of Arteriovenous Malformations in Neonatal and Adult Mice. Journal of the American Heart Association, 2018, 7, e009514.	3.7	36
11	Mitochondrial ATP transporter depletion protects mice against liver steatosis and insulin resistance. Nature Communications, 2017, 8, 14477.	12.8	55
12	Conditional knockout of activin like kinase-1 (ALK-1) leads to heart failure without maladaptive remodeling. Heart and Vessels, 2017, 32, 628-636.	1.2	19
13	CXCL12-CXCR4 signalling plays an essential role in proper patterning of aortic arch and pulmonary arteries. Cardiovascular Research, 2017, 113, 1677-1687.	3.8	25
14	Reduced activin receptor-like kinase 1 activity promotes cardiac fibrosis in heart failure. Cardiovascular Pathology, 2017, 31, 26-33.	1.6	16
15	Effect of Topical Intranasal Therapy on Epistaxis Frequency in Patients With Hereditary Hemorrhagic Telangiectasia. JAMA - Journal of the American Medical Association, 2016, 316, 943.	7.4	74
16	Persistent infiltration and pro-inflammatory differentiation of monocytes cause unresolved inflammation in brain arteriovenous malformation. Angiogenesis, 2016, 19, 451-461.	7.2	41
17	Smooth muscle cell-specific Tgfbr1 deficiency promotes aortic aneurysm formation by stimulating multiple signaling events. Scientific Reports, 2016, 6, 35444.	3.3	55
18	PIERCE1 is critical for specification of left-right asymmetry in mice. Scientific Reports, 2016, 6, 27932.	3.3	11

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19	Angiotensin-converting enzyme 2 inhibits high-mobility group box 1 and attenuates cardiac dysfunction post-myocardial ischemia. Journal of Molecular Medicine, 2016, 94, 37-49.	3.9	50
20	Interaction Between ALK1 Signaling and Connexin40 in the Development of Arteriovenous Malformations. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 707-717.	2.4	22
21	Increasing brain angiotensin converting enzyme 2 activity decreases anxiety-like behavior in male mice by activating central Mas receptors. Neuropharmacology, 2016, 105, 114-123.	4.1	91
22	Neuropilin-1 balances Î²8 integrin-activated TGFÎ² signaling to control sprouting angiogenesis in the brain. Development (Cambridge), 2015, 142, 4363-73.	2.5	62
23	Mouse models of hereditary hemorrhagic telangiectasia: recent advances and future challenges. Frontiers in Genetics, 2015, 6, 25.	2.3	106
24	Adenine Nucleotide Translocase 4 Is Expressed Within Embryonic Ovaries and Dispensable During Oogenesis. Reproductive Sciences, 2015, 22, 250-257.	2.5	12
25	VEGF neutralization can prevent and normalize arteriovenous malformations in an animal model for hereditary hemorrhagic telangiectasia 2. Angiogenesis, 2014, 17, 823-830.	7.2	99
26	Common and Distinctive Pathogenetic Features of Arteriovenous Malformations in Hereditary Hemorrhagic Telangiectasia 1 and Hereditary Hemorrhagic Telangiectasia 2 Animal Modelsâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2232-2236.	2.4	85
27	Endothelial Depletion of Acvrl1 in Mice Leads to Arteriovenous Malformations Associated with Reduced Endoglin Expression. PLoS ONE, 2014, 9, e98646.	2.5	107
28	SnoN facilitates ALK1â€"Smad1/5 signaling during embryonic angiogenesis. Journal of Cell Biology, 2013, 202, 937-950.	5.2	16
29	Bone morphogenetic protein-9 inhibits lymphatic vessel formation via activin receptor-like kinase 1 during development and cancer progression. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18940-18945.	7.1	95
30	SMAD1 Deficiency in Either Endothelial or Smooth Muscle Cells Can Predispose Mice to Pulmonary Hypertension. Hypertension, 2013, 61, 1044-1052.	2.7	41
31	Reduced Mural Cell Coverage and Impaired Vessel Integrity After Angiogenic Stimulation in the <i>Alk1</i> -deficient Brain. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 305-310.	2.4	82
32	Enhanced Responses to Angiogenic Cues Underlie the Pathogenesis of Hereditary Hemorrhagic Telangiectasia 2. PLoS ONE, 2013, 8, e63138.	2.5	31
33	Minimal Homozygous Endothelial Deletion of Eng with VEGF Stimulation Is Sufficient to Cause Cerebrovascular Dysplasia in the Adult Mouse. Cerebrovascular Diseases, 2012, 33, 540-547.	1.7	74
34	Gastric angiodysplasia in a hereditary hemorrhagic telangiectasia type 2 patient. World Journal of Gastroenterology, 2012, 18, 1840.	3.3	8
35	TGF-Î² signaling in endothelial cells, but not neuroepithelial cells, is essential for cerebral vascular development. Laboratory Investigation, 2011, 91, 1554-1563.	3.7	85
36	Arteriovenous malformation in the adult mouse brain resembling the human disease. Annals of Neurology, 2011, 69, 954-962.	5.3	109

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37	Generation of mice with a conditional and reporter allele for <i>Tmem100</i>. Genesis, 2010, 48, 673-678.	1.6	37
38	Spectral imaging reveals microvessel physiology and function from anastomoses to thromboses. Journal of Biomedical Optics, 2010, 15, 011111.	2.6	14
39	Pinin modulates expression of an intestinal homeobox gene, Cdx2, and plays an essential role for small intestinal morphogenesis. Developmental Biology, 2010, 345, 191-203.	2.0	29
40	Growth differentiation factor 11 signaling controls retinoic acid activity for axial vertebral development. Developmental Biology, 2010, 347, 195-203.	2.0	33
41	Hereditary Haemorrhagic Telangiectasia. , 2010, , 167-188.		2
42	Tnk1/Kos1: a novel tumor suppressor. Transactions of the American Clinical and Climatological Association, 2010, 121, 281-92; discussion 292-3.	0.5	14
43	Adenine nucleotide translocase 4 deficiency leads to early meiotic arrest of murine male germ cells. Reproduction, 2009, 138, 463-470.	2.6	51
44	Real-time imaging of de novo arteriovenous malformation in a mouse model of hereditary hemorrhagic telangiectasia. Journal of Clinical Investigation, 2009, 119, 3487-96.	8.2	238
45	Impaired Terminal Differentiation of Hippocampal Granule Neurons and Defective Contextual Memory in PC3/Tis21 Knockout Mice. PLoS ONE, 2009, 4, e8339.	2.5	74
46	TIS21 negatively regulates hepatocarcinogenesis by disruption of cyclin B1-Forkhead box M1 regulation loop. Hepatology, 2008, 47, 1533-1543.	7.3	69
47	TIS21/BTG2 Negatively Regulates Estradiol-Stimulated Expansion of Hematopoietic Stem Cells by Derepressing Akt Phosphorylation and Inhibiting mTOR Signal Transduction. Stem Cells, 2008, 26, 2339-2348.	3.2	25
48	Genetic Ablation of the <i>Bmpr2</i> Gene in Pulmonary Endothelium Is Sufficient to Predispose to Pulmonary Arterial Hypertension. Circulation, 2008, 118, 722-730.	1.6	222
49	Tnk1/Kos1 Knockout Mice Develop Spontaneous Tumors. Cancer Research, 2008, 68, 8723-8732.	0.9	33
50	ALK5- and TGFBR2-independent role of ALK1 in the pathogenesis of hereditary hemorrhagic telangiectasia type 2. Blood, 2008, 111, 633-642.	1.4	212
51	Dysregulation of intestinal crypt cell proliferation and villus cell migration in mice lacking KrÃ¼ppel-like factor 9. American Journal of Physiology - Renal Physiology, 2007, 292, G1757-G1769.	3.4	41
52	Evolutionarily Conserved Mammalian Adenine Nucleotide Translocase 4 Is Essential for Spermatogenesis. Journal of Biological Chemistry, 2007, 282, 29658-29666.	3.4	75
53	Role of Pinin in neural crest, dorsal dermis, and axial skeleton development and its involvement in the regulation of Tcf/Lef activity in mice. Developmental Dynamics, 2007, 236, 2147-2158.	1.8	20
54	Activin receptor-like kinase 1 is essential for placental vascular development in mice. Laboratory Investigation, 2007, 87, 670-679.	3.7	18

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55	Nonoverlapping expression patterns of ALK1 and ALK5 reveal distinct roles of each receptor in vascular development. Laboratory Investigation, 2006, 86, 116-129.	3.7	100
56	Generation of activin receptor type IIB isoform-specific hypomorphic alleles. Genesis, 2006, 44, 487-494.	1.6	12
57	Subfertility, Uterine Hypoplasia, and Partial Progesterone Resistance in Mice Lacking the KrÃ¼ppel-like Factor 9/Basic Transcription Element-binding Protein-1 (Bteb1) Gene. Journal of Biological Chemistry, 2004, 279, 29286-29294.	3.4	92
58	B-Cell Translocation Gene 2 (Btg2) Regulates Vertebral Patterning by Modulating Bone Morphogenetic Protein/Smad Signaling. Molecular and Cellular Biology, 2004, 24, 10256-10262.	2.3	67
59	Isolation of a Regulatory Region of Activin Receptor-Like Kinase 1 Gene Sufficient for Arterial Endothelium-Specific Expression. Circulation Research, 2004, 94, e72-7.	4.5	36
60	Arterial Endothelium-Specific Activin Receptor-Like Kinase 1 Expression Suggests Its Role in Arterialization and Vascular Remodeling. Circulation Research, 2003, 93, 682-689.	4.5	263
61	A mouse model for hereditary hemorrhagic telangiectasia (HHT) type 2. Human Molecular Genetics, 2003, 12, 473-482.	2.9	172
62	Activin type IIA and IIB receptors mediate Gdf11 signaling in axial vertebral patterning. Genes and Development, 2002, 16, 2749-2754.	5.9	176
63	Gene-dosage-sensitive genetic interactions between inversus viscerum (iv),nodal, and activin type IIB receptor (ActRIIB) genes in asymmetrical patterning of the visceral organs along the left-right axis. Developmental Dynamics, 2002, 224, 279-290.	1.8	24
64	Change in gene expression subsequent to induction of Pnn/DRS/memA: increase in p21cip1/waf1. Oncogene, 2001, 20, 4007-4018.	5.9	31
65	Activin receptor patterning of foregut organogenesis. Genes and Development, 2000, 14, 1866-1871.	5.9	192