

Yin Shan Eric Ng

List of Publications by Year in descending order

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41
papers

4,545
citations

279798

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330143

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42
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42
docs citations

42
times ranked

5036
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascular Endothelial Growth Factor-A Is a Survival Factor for Retinal Neurons and a Critical Neuroprotectant during the Adaptive Response to Ischemic Injury. <i>American Journal of Pathology</i> , 2007, 171, 53-67.	3.8	636
2	Impaired myocardial angiogenesis and ischemic cardiomyopathy in mice lacking the vascular endothelial growth factor isoforms VEGF164 and VEGF188. <i>Nature Medicine</i> , 1999, 5, 495-502.	30.7	618
3	VEGF164-mediated Inflammation Is Required for Pathological, but Not Physiological, Ischemia-induced Retinal Neovascularization. <i>Journal of Experimental Medicine</i> , 2003, 198, 483-489.	8.5	413
4	Skeletal defects in VEGF120/120 mice reveal multiple roles for VEGF in skeletogenesis. <i>Development (Cambridge)</i> , 2002, 129, 1893-1904.	2.5	387
5	Arteriolar and venular patterning in retinas of mice selectively expressing VEGF isoforms. <i>Journal of Clinical Investigation</i> , 2002, 109, 327-336.	8.2	340
6	The Mouse Gene for Vascular Endothelial Growth Factor. <i>Journal of Biological Chemistry</i> , 1996, 271, 3877-3883.	3.4	270
7	Arteriolar and venular patterning in retinas of mice selectively expressing VEGF isoforms. <i>Journal of Clinical Investigation</i> , 2002, 109, 327-336.	8.2	229
8	A therapeutic aptamer inhibits angiogenesis by specifically targeting the heparin binding domain of VEGF165. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18902-18907.	7.1	212
9	VEGF-A Is Necessary and Sufficient for Retinal Neuroprotection in Models of Experimental Glaucoma. <i>American Journal of Pathology</i> , 2013, 182, 1379-1390.	3.8	151
10	Defective Pulmonary Development in the Absence of Heparin-Binding Vascular Endothelial Growth Factor Isoforms. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2002, 27, 194-203.	2.9	148
11	Erythropoietin Promotes Survival of Retinal Ganglion Cells in DBA/2J Glaucoma Mice. , 2007, 48, 1212.		139
12	VEGF function in vascular pathogenesis. <i>Experimental Cell Research</i> , 2006, 312, 527-537.	2.6	114
13	Molecular Mapping and Functional Characterization of the VEGF164 Heparin-binding Domain. <i>Journal of Biological Chemistry</i> , 2007, 282, 28045-28056.	3.4	82
14	RGS5 expression is a quantitative measure of pericyte coverage of blood vessels. <i>Angiogenesis</i> , 2008, 11, 141-151.	7.2	80
15	An in vitro assay reveals a role for the diaphragm protein PV-1 in endothelial fenestra morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16770-16775.	7.1	79
16	The heparin-binding domain confers diverse functions of VEGF-A in development and disease: a structureâ€“function study. <i>Biochemical Society Transactions</i> , 2009, 37, 1201-1206.	3.4	63
17	Endomucin inhibits VEGF-induced endothelial cell migration, growth, and morphogenesis by modulating VEGFR2 signaling. <i>Scientific Reports</i> , 2017, 7, 17138.	3.3	59
18	VEGF expression is downregulated in nitrofen-induced congenital diaphragmatic hernia. <i>Journal of Pediatric Surgery</i> , 2004, 39, 825-828.	1.6	55

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19	Assessing a Novel Depot Delivery Strategy for Noninvasive Administration of VEGF/PDGF RTK Inhibitors for Ocular Neovascular Disease. , 2013, 54, 1490.		49
20	Identification of genes involved in VEGF-mediated vascular morphogenesis using embryonic stem cell-derived cystic embryoid bodies. Laboratory Investigation, 2004, 84, 1209-1218.	3.7	48
21	Spontaneous CNV in a Novel Mutant Mouse Is Associated With Early VEGF-Driven Angiogenesis and Late-Stage Focal Edema, Neural Cell Loss, and Dysfunction. , 2014, 55, 3709.		43
22	Won't You Be My Neighbor? Local Induction of Arteriogenesis. Cell, 2002, 110, 289-292.	28.9	42
23	Therapeutic angiogenesis for cardiovascular disease. Current Controlled Trials in Cardiovascular Medicine, 2001, 2, 278.	1.5	38
24	A Proinflammatory Function of Toll-Like Receptor 2 in the Retinal Pigment Epithelium as a Novel Target for Reducing Choroidal Neovascularization in Age-Related Macular Degeneration. American Journal of Pathology, 2017, 187, 2208-2221.	3.8	27
25	Systemic Administration of Abeta mAb Reduces Retinal Deposition of Abeta and Activated Complement C3 in Age-Related Macular Degeneration Mouse Model. PLoS ONE, 2013, 8, e65518.	2.5	27
26	Distal retinal ganglion cell axon transport loss and activation of p38 MAPK stress pathway following VEGF-A antagonism. Cell Death and Disease, 2016, 7, e2212-e2212.	6.3	25
27	Novel CCR3 Antagonists Are Effective Mono- and Combination Inhibitors of Choroidal Neovascular Growth and Vascular Permeability. American Journal of Pathology, 2015, 185, 2534-2549.	3.8	24
28	Glycocalyx regulation of vascular endothelial growth factor receptor 2 activity. FASEB Journal, 2019, 33, 9362-9373.	0.5	19
29	Experimental Glaucoma Induced by Ocular Injection of Magnetic Microspheres. Journal of Visualized Experiments, 2015, , .	0.3	17
30	ADAM10 and ADAM17 proteases mediate proinflammatory cytokine-induced and constitutive cleavage of endomucin from the endothelial surface. Journal of Biological Chemistry, 2020, 295, 6641-6651.	3.4	15
31	Tales of the cryptic: unveiling more angiogenesis inhibitors. Trends in Molecular Medicine, 2002, 8, 313-315.	6.7	14
32	Delivery Site of Perivascular Endothelial Cell Matrices Determines Control of Stenosis in a Porcine Femoral Stent Model. Journal of Vascular and Interventional Radiology, 2009, 20, 1617-1624.	0.5	14
33	Fibrotic Changes and Endothelial-to-Mesenchymal Transition Promoted by VEGFR2 Antagonism Alter the Therapeutic Effects of VEGFA Pathway Blockage in a Mouse Model of Choroidal Neovascularization. Cells, 2020, 9, 2057.	4.1	14
34	Novel engineered, membrane-localized variants of vascular endothelial growth factor (VEGF) protect retinal ganglion cells: a proof-of-concept study. Cell Death and Disease, 2018, 9, 1018.	6.3	12
35	Ultrasound-guided percutaneous delivery of tissue-engineered endothelial cells to the adventitia of stented arteries controls the response to vascular injury in a porcine model. Journal of Vascular Surgery, 2012, 56, 1078-1088.	1.1	11
36	Elements of the Endomucin Extracellular Domain Essential for VEGF-Induced VEGFR2 Activity. Cells, 2020, 9, 1413.	4.1	11

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37	Galectin-3 Enhances Vascular Endothelial Growth Factor-A Receptor 2 Activity in the Presence of Vascular Endothelial Growth Factor. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 734346.	3.7	7
38	Novel engineered, membrane-anchored VEGF-A variants promote formation of filopodia, proliferation, survival, and cord or tube formation by endothelial cells via persistent VEGFR2/ERK signaling and activation of CDC42/ROCK pathways. <i>FASEB Journal</i> , 2021, 35, e22036.	0.5	5
39	The Biology of Vascular Endothelial Cell Growth Factor Isoforms. , 2008, , 1-13.		4
40	Discovery of sterically-hindered phenol compounds with potent cytoprotective activities against ox-LDL-induced retinal pigment epithelial cell death as a potential pharmacotherapy. <i>Free Radical Biology and Medicine</i> , 2022, 178, 360-368.	2.9	3
41	Endomucin Plays a Role in Retinal Vascular Development and in VEGF-Induced Endothelial Cell Migration, Growth, and Morphogenesis. <i>FASEB Journal</i> , 2015, 29, 418.1.	0.5	1