Peter Baluk

List of Publications by Year
in descending order

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Version: 2024-02-01

61 papers	10,897 citations	61857 43 h-index	123241 61 g-index
62 all docs	62 docs citations	62 times ranked	12563 citing authors

#	Article	IF	Citations
1	Imaging Blood Vessels and in Mouse Trachea. Methods in Molecular Biology, 2022, 2441, 115-134.	0.4	1
2	Buttons and Zippers: Endothelial Junctions in Lymphatic Vessels. Cold Spring Harbor Perspectives in Medicine, 2022, , a041178.	2.9	17
3	Piezo1-Regulated Mechanotransduction Controls Flow-Activated Lymphatic Expansion. Circulation Research, 2022, 131, .	2.0	16
4	Lymphatic Proliferation Ameliorates Pulmonary Fibrosis after Lung Injury. American Journal of Pathology, 2020, 190, 2355-2375.	1.9	21
5	Imaging Lymphatics in Mouse Lungs. Methods in Molecular Biology, 2018, 1846, 161-180.	0.4	8
6	Unexpected contribution of lymphatic vessels to promotion of distant metastatic tumor spread. Science Advances, 2018, 4, eaat4758.	4.7	67
7	Rapamycin reversal of VEGF-Câ€“driven lymphatic anomalies in the respiratory tract. JCI Insight, 2017, 2, .	2.3	41
8	Vascular Endothelial Growth Factor C for Polycystic Kidney Diseases. Journal of the American Society of Nephrology: JASN, 2016, 27, 69-77.	3.0	48
9	Opposing actions of angiopoietin-2 on Tie2 signaling and FOXO1 activation. Journal of Clinical Investigation, 2016, 126, 3511-3525.	3.9	172
10	Mast Cells Present Protrusions into Blood Vessels upon Tracheal Allergen Challenge in Mice. PLoS ONE, 2015, 10, e0118513.	1.1	12
11	Pulmonary Lymphangiectasia Resulting From Vascular Endothelial Growth Factor-C Overexpression During a Critical Period. Circulation Research, 2014, 114, 806-822.	2.0	59
12	Neutrophil Dependence of Vascular Remodeling after Mycoplasma Infection of Mouse Airways. American Journal of Pathology, 2014, 184, 1877-1889.	1.9	9
13	Preferential Lymphatic Growth in Bronchus-Associated Lymphoid Tissue in Sustained Lung Inflammation. American Journal of Pathology, 2014, 184, 1577-1592.	1.9	43
14	Transgenic Overexpression of Interleukin-1Î² Induces Persistent Lymphangiogenesis But Not Angiogenesis in Mouse Airways. American Journal of Pathology, 2013, 182, 1434-1447.	1.9	38
15	Cathepsin L Protects Mice from Mycoplasmal Infection and Is Essential for Airway Lymphangiogenesis. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 437-444.	1.4	20
16	Plasticity of Button-Like Junctions in the Endothelium of Airway Lymphatics in Development and Inflammation. American Journal of Pathology, 2012, 180, 2561-2575.	1.9	154
17	Pericyte Requirement for Anti-Leak Action of Angiopoietin-1 and Vascular Remodeling in Sustained Inflammation. American Journal of Pathology, 2011, 178, 2897-2909.	1.9	75
18	Rapid remodeling of airway vascular architecture at birth. Developmental Dynamics, 2010, 239, 2354-2366.	0.8	14

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19	Rapid remodeling of airway vascular architecture at birth. Developmental Dynamics, 2010, 239, spcone-spcone.	0.8	0
20	Lymphatic endothelial cell sphingosine kinase activity is required for lymphocyte egress and lymphatic patterning. Journal of Experimental Medicine, 2010, 207, 17-27.	4.2	414
21	Complementary Actions of Inhibitors of Angiopoietin-2 and VEGF on Tumor Angiogenesis and Growth. Cancer Research, 2010, 70, 2213-2223.	0.4	216
22	Steroid-Resistant Lymphatic Remodeling in Chronically Inflamed Mouse Airways. American Journal of Pathology, 2010, 176, 1525-1541.	1.9	65
23	Angiopoietin/Tie2 Signaling Transforms Capillaries into Venules Primed for Leukocyte Trafficking in Airway Inflammation. American Journal of Pathology, 2010, 176, 2009-2018.	1.9	29
24	Organization and signaling of endothelial cell-to-cell junctions in various regions of the blood and lymphatic vascular trees. Cell and Tissue Research, 2009, 335, 17-25.	1.5	181
25	Î±5Î²1 Integrin Blockade Inhibits Lymphangiogenesis in Airway Inflammation. American Journal of Pathology, 2009, 174, 2378-2387.	1.9	50
26	Capillary Defects and Exaggerated Inflammatory Response in the Airways of EphA2-Deficient Mice. American Journal of Pathology, 2009, 174, 2388-2399.	1.9	45
27	TNF-Î± drives remodeling of blood vessels and lymphatics in sustained airway inflammation in mice. Journal of Clinical Investigation, 2009, 119, 2954-64.	3.9	176
28	Markers for Microscopic Imaging of Lymphangiogenesis and Angiogenesis. Annals of the New York Academy of Sciences, 2008, 1131, 1-12.	1.8	192
29	Vascular Endothelial Growth Factor-A and Platelet-Derived Growth Factor-B Combination Gene Therapy Prolongs Angiogenic Effects via Recruitment of Interstitial Mononuclear Cells and Paracrine Effects Rather Than Improved Pericyte Coverage of Angiogenic Vessels. Circulation Research, 2008, 103, 1092-1099.	2.0	64
30	Lymphatic endothelial cell identity is reversible and its maintenance requires Prox1 activity. Genes and Development, 2008, 22, 3282-3291.	2.7	289
31	Disease-Specific Gene Expression Profiling in Multiple Models of Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 376-387.	2.5	96
32	Functionally specialized junctions between endothelial cells of lymphatic vessels. Journal of Experimental Medicine, 2007, 204, 2349-2362.	4.2	829
33	In Vivo Actions of Angiopoietins on Quiescent and Remodeling Blood and Lymphatic Vessels in Mouse Airways and Skin. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 564-570.	1.1	74
34	Mast Cells Protect Mice from Mycoplasma Pneumonia. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 219-225.	2.5	78
35	Essential role of nitric oxide in VEGF-induced, asthma-like angiogenic, inflammatory, mucus, and physiologic responses in the lung. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11021-11026.	3.3	101
36	Imaging of Angiogenesis in Inflamed Airways and Tumors: Newly Formed Blood Vessels Are Not Alike and May Be Wildly Abnormal. Chest, 2005, 128, 602S-608S.	0.4	37

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37	Rapid Access of Antibodies to Î±5Î²1 Integrin Overexpressed on the Luminal Surface of Tumor Blood Vessels. Cancer Research, 2005, 65, 2712-2721.	0.4	61
38	Immune Complex-Dependent Remodeling of the Airway Vasculature in Response to a Chronic Bacterial Infection. Journal of Immunology, 2005, 175, 6319-6326.	0.4	55
39	Long-Term and Sustained COMP-Ang1 Induces Long-Lasting Vascular Enlargement and Enhanced Blood Flow. Circulation Research, 2005, 97, 86-94.	2.0	123
40	Cellular abnormalities of blood vessels as targets in cancer. Current Opinion in Genetics and Development, 2005, 15, 102-111.	1.5	676
41	Uniform Overexpression and Rapid Accessibility of Î±5Î²1 Integrin on Blood Vessels in Tumors. American Journal of Pathology, 2005, 167, 193-211.	1.9	74
42	Pathogenesis of persistent lymphatic vessel hyperplasia in chronic airway inflammation. Journal of Clinical Investigation, 2005, 115, 247-257.	3.9	326
43	Vascular endothelial growth factor (VEGF) induces remodeling and enhances TH2-mediated sensitization and inflammation in the lung. Nature Medicine, 2004, 10, 1095-1103.	15.2	549
44	Inhibition of Vascular Endothelial Growth Factor (VEGF) Signaling in Cancer Causes Loss of Endothelial Fenestrations, Regression of Tumor Vessels, and Appearance of Basement Membrane Ghosts. American Journal of Pathology, 2004, 165, 35-52.	1.9	702
45	Regulated Angiogenesis and Vascular Regression in Mice Overexpressing Vascular Endothelial Growth Factor in Airways. American Journal of Pathology, 2004, 165, 1071-1085.	1.9	117
46	Abnormalities of Basement Membrane on Blood Vessels and Endothelial Sprouts in Tumors. American Journal of Pathology, 2003, 163, 1801-1815.	1.9	462
47	Abnormalities in Pericytes on Blood Vessels and Endothelial Sprouts in Tumors. American Journal of Pathology, 2002, 160, 985-1000.	1.9	885
48	Ephrin-B2 Selectively Marks Arterial Vessels and Neovascularization Sites in the Adult, with Expression in Both Endothelial and Smooth-Muscle Cells. Developmental Biology, 2001, 230, 151-160.	0.9	332
49	Time Course of Endothelial Cell Proliferation and Microvascular Remodeling in Chronic Inflammation. American Journal of Pathology, 2001, 158, 2043-2055.	1.9	120
50	Airway vasculature after mycoplasma infection: chronic leakiness and selective hypersensitivity to substance P. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 280, L286-L297.	1.3	22
51	Openings between Defective Endothelial Cells Explain Tumor Vessel Leakiness. American Journal of Pathology, 2000, 156, 1363-1380.	1.9	1,449
52	Determinants of Endothelial Cell Phenotype in Venules. Microcirculation, 2000, 7, 67-80.	1.0	49
53	Neurogenic plasma leakage in mouse airways. British Journal of Pharmacology, 1999, 126, 522-528.	2.7	49
54	Angiogenesis in Mice with Chronic Airway Inflammation. American Journal of Pathology, 1998, 153, 1099-1112.	1.9	153

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55	Glucocorticoid-Induced Apoptosis of Dendritic Cells in the Rat Tracheal Mucosa. American Journal of Respiratory Cell and Molecular Biology, 1998, 19, 598-605.	1.4	72
56	Neurogenic Inflammation in Skin and Airways. Journal of Investigative Dermatology Symposium Proceedings, 1997, 2, 76-81.	0.8	84
57	Characterization of Antisera Specific to NK1, NK2, and NK3 Neurokinin Receptors and their Utilization to Localize Receptors in the Rat Gastrointestinal Tract. Journal of Neuroscience, 1996, 16, 6975-6986.	1.7	198
58	NK1Receptor Antagonist CP-99,994 Inhibits Cigarette Smoke-Induced Neutrophil and Eosinophil Adhesion in Rat Tracheal Venules. Experimental Lung Research, 1996, 22, 409-418.	0.5	28
59	Calcitonin Gene-related Peptide in Secretory Granules of Serous Cells in the Rat Tracheal Epithelium. American Journal of Respiratory Cell and Molecular Biology, 1993, 8, 446-453.	1.4	30
60	Substance P-immunoreactive sensory axons in the rat respiratory tract: A quantitative study of their distribution and role in neurogenic inflammation. Journal of Comparative Neurology, 1992, 319, 586-598.	0.9	162
61	Some parasympathetic neurons in the guinea-pig heart express aspects of the catecholaminergic phenotype in vivo. Cell and Tissue Research, 1990, 261, 275-285.	1.5	36