

Peter Baluk

List of Publications by Year in descending order

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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	Openings between Defective Endothelial Cells Explain Tumor Vessel Leakiness. American Journal of Pathology, 2000, 156, 1363-1380.	1.9	1,449
2	Abnormalities in Pericytes on Blood Vessels and Endothelial Sprouts in Tumors. American Journal of Pathology, 2002, 160, 985-1000.	1.9	885
3	Functionally specialized junctions between endothelial cells of lymphatic vessels. Journal of Experimental Medicine, 2007, 204, 2349-2362.	4.2	829
4	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
5	Cellular abnormalities of blood vessels as targets in cancer. Current Opinion in Genetics and Development, 2005, 15, 102-111.	1.5	676
6	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
7	Abnormalities of Basement Membrane on Blood Vessels and Endothelial Sprouts in Tumors. American Journal of Pathology, 2003, 163, 1801-1815.	1.9	462
8	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
9	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
10	Pathogenesis of persistent lymphatic vessel hyperplasia in chronic airway inflammation. Journal of Clinical Investigation, 2005, 115, 247-257.	3.9	326
11	Lymphatic endothelial cell identity is reversible and its maintenance requires Prox1 activity. Genes and Development, 2008, 22, 3282-3291.	2.7	289
12	Complementary Actions of Inhibitors of Angiopoietin-2 and VEGF on Tumor Angiogenesis and Growth. Cancer Research, 2010, 70, 2213-2223.	0.4	216
13	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
14	<i>Markers for Microscopic Imaging of Lymphangiogenesis and Angiogenesis</i> . Annals of the New York Academy of Sciences, 2008, 1131, 1-12.	1.8	192
15	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
16	TNF- α drives remodeling of blood vessels and lymphatics in sustained airway inflammation in mice. Journal of Clinical Investigation, 2009, 119, 2954-64.	3.9	176
17	Opposing actions of angiopoietin-2 on Tie2 signaling and FOXO1 activation. Journal of Clinical Investigation, 2016, 126, 3511-3525.	3.9	172
18	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

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19	Plasticity of Button-Like Junctions in the Endothelium of Airway Lymphatics in Development and Inflammation. <i>American Journal of Pathology</i> , 2012, 180, 2561-2575.	1.9	154
20	Angiogenesis in Mice with Chronic Airway Inflammation. <i>American Journal of Pathology</i> , 1998, 153, 1099-1112.	1.9	153
21	Long-Term and Sustained COMP-Ang1 Induces Long-Lasting Vascular Enlargement and Enhanced Blood Flow. <i>Circulation Research</i> , 2005, 97, 86-94.	2.0	123
22	Time Course of Endothelial Cell Proliferation and Microvascular Remodeling in Chronic Inflammation. <i>American Journal of Pathology</i> , 2001, 158, 2043-2055.	1.9	120
23	Regulated Angiogenesis and Vascular Regression in Mice Overexpressing Vascular Endothelial Growth Factor in Airways. <i>American Journal of Pathology</i> , 2004, 165, 1071-1085.	1.9	117
24	Essential role of nitric oxide in VEGF-induced, asthma-like angiogenic, inflammatory, mucus, and physiologic responses in the lung. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11021-11026.	3.3	101
25	Disease-Specific Gene Expression Profiling in Multiple Models of Lung Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 376-387.	2.5	96
26	Neurogenic Inflammation in Skin and Airways. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 1997, 2, 76-81.	0.8	84
27	Mast Cells Protect Mice from Mycoplasma Pneumonia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 173, 219-225.	2.5	78
28	Pericyte Requirement for Anti-Leak Action of Angiopoietin-1 and Vascular Remodeling in Sustained Inflammation. <i>American Journal of Pathology</i> , 2011, 178, 2897-2909.	1.9	75
29	Uniform Overexpression and Rapid Accessibility of $\alpha 5 \beta 1$ Integrin on Blood Vessels in Tumors. <i>American Journal of Pathology</i> , 2005, 167, 193-211.	1.9	74
30	In Vivo Actions of Angiopoietins on Quiescent and Remodeling Blood and Lymphatic Vessels in Mouse Airways and Skin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 564-570.	1.1	74
31	Glucocorticoid-Induced Apoptosis of Dendritic Cells in the Rat Tracheal Mucosa. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 19, 598-605.	1.4	72
32	Unexpected contribution of lymphatic vessels to promotion of distant metastatic tumor spread. <i>Science Advances</i> , 2018, 4, eaat4758.	4.7	67
33	Steroid-Resistant Lymphatic Remodeling in Chronically Inflamed Mouse Airways. <i>American Journal of Pathology</i> , 2010, 176, 1525-1541.	1.9	65
34	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. <i>Circulation Research</i> , 2008, 103, 1092-1099.	2.0	64
35	Rapid Access of Antibodies to $\alpha 5 \beta 1$ Integrin Overexpressed on the Luminal Surface of Tumor Blood Vessels. <i>Cancer Research</i> , 2005, 65, 2712-2721.	0.4	61
36	Pulmonary Lymphangiectasia Resulting From Vascular Endothelial Growth Factor-C Overexpression During a Critical Period. <i>Circulation Research</i> , 2014, 114, 806-822.	2.0	59

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37	Immune Complex-Dependent Remodeling of the Airway Vasculature in Response to a Chronic Bacterial Infection. <i>Journal of Immunology</i> , 2005, 175, 6319-6326.	0.4	55
38	Î±5Î²1 Integrin Blockade Inhibits Lymphangiogenesis in Airway Inflammation. <i>American Journal of Pathology</i> , 2009, 174, 2378-2387.	1.9	50
39	Neurogenic plasma leakage in mouse airways. <i>British Journal of Pharmacology</i> , 1999, 126, 522-528.	2.7	49
40	Determinants of Endothelial Cell Phenotype in Venules. <i>Microcirculation</i> , 2000, 7, 67-80.	1.0	49
41	Vascular Endothelial Growth Factor C for Polycystic Kidney Diseases. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 69-77.	3.0	48
42	Capillary Defects and Exaggerated Inflammatory Response in the Airways of EphA2-Deficient Mice. <i>American Journal of Pathology</i> , 2009, 174, 2388-2399.	1.9	45
43	Preferential Lymphatic Growth in Bronchus-Associated Lymphoid Tissue in Sustained Lung Inflammation. <i>American Journal of Pathology</i> , 2014, 184, 1577-1592.	1.9	43
44	Rapamycin reversal of VEGF-Câ€“driven lymphatic anomalies in the respiratory tract. <i>JCI Insight</i> , 2017, 2, .	2.3	41
45	Transgenic Overexpression of Interleukin-1Î² Induces Persistent Lymphangiogenesis But Not Angiogenesis in Mouse Airways. <i>American Journal of Pathology</i> , 2013, 182, 1434-1447.	1.9	38
46	Imaging of Angiogenesis in Inflamed Airways and Tumors: Newly Formed Blood Vessels Are Not Alike and May Be Wildly Abnormal. <i>Chest</i> , 2005, 128, 602S-608S.	0.4	37
47	Some parasympathetic neurons in the guinea-pig heart express aspects of the catecholaminergic phenotype in vivo. <i>Cell and Tissue Research</i> , 1990, 261, 275-285.	1.5	36
48	Calcitonin Gene-related Peptide in Secretory Granules of Serous Cells in the Rat Tracheal Epithelium. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1993, 8, 446-453.	1.4	30
49	Angiopoietin/Tie2 Signaling Transforms Capillaries into Venules Primed for Leukocyte Trafficking in Airway Inflammation. <i>American Journal of Pathology</i> , 2010, 176, 2009-2018.	1.9	29
50	NK1Receptor Antagonist CP-99,994 Inhibits Cigarette Smoke-Induced Neutrophil and Eosinophil Adhesion in Rat Tracheal Venules. <i>Experimental Lung Research</i> , 1996, 22, 409-418.	0.5	28
51	Airway vasculature after mycoplasma infection: chronic leakiness and selective hypersensitivity to substance P. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 280, L286-L297.	1.3	22
52	Lymphatic Proliferation Ameliorates Pulmonary Fibrosis after Lung Injury. <i>American Journal of Pathology</i> , 2020, 190, 2355-2375.	1.9	21
53	Cathepsin L Protects Mice from Mycoplasmal Infection and Is Essential for Airway Lymphangiogenesis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 437-444.	1.4	20
54	Buttons and Zippers: Endothelial Junctions in Lymphatic Vessels. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2022, , a041178.	2.9	17

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55	Piezo1-Regulated Mechanotransduction Controls Flow-Activated Lymphatic Expansion. <i>Circulation Research</i> , 2022, 131, .	2.0	16
56	Rapid remodeling of airway vascular architecture at birth. <i>Developmental Dynamics</i> , 2010, 239, 2354-2366.	0.8	14
57	Mast Cells Present Protrusions into Blood Vessels upon Tracheal Allergen Challenge in Mice. <i>PLoS ONE</i> , 2015, 10, e0118513.	1.1	12
58	Neutrophil Dependence of Vascular Remodeling after Mycoplasma Infection of Mouse Airways. <i>American Journal of Pathology</i> , 2014, 184, 1877-1889.	1.9	9
59	Imaging Lymphatics in Mouse Lungs. <i>Methods in Molecular Biology</i> , 2018, 1846, 161-180.	0.4	8
60	Imaging Blood Vessels and in Mouse Trachea. <i>Methods in Molecular Biology</i> , 2022, 2441, 115-134.	0.4	1
61	Rapid remodeling of airway vascular architecture at birth. <i>Developmental Dynamics</i> , 2010, 239, spcone-spcone.	0.8	0