

Paul D Upton

List of Publications by Year in descending order

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54
papers

5,115
citations

126858

33
h-index

168321

53
g-index

57
all docs

57
docs citations

57
times ranked

4652
citing authors

#	ARTICLE	IF	CITATIONS
1	Primary Pulmonary Hypertension Is Associated With Reduced Pulmonary Vascular Expression of Type II Bone Morphogenetic Protein Receptor. <i>Circulation</i> , 2002, 105, 1672-1678.	1.6	587
2	Altered Growth Responses of Pulmonary Artery Smooth Muscle Cells From Patients With Primary Pulmonary Hypertension to Transforming Growth Factor- β 1 and Bone Morphogenetic Proteins. <i>Circulation</i> , 2001, 104, 790-795.	1.6	421
3	Selective enhancement of endothelial BMPR-II with BMP9 reverses pulmonary arterial hypertension. <i>Nature Medicine</i> , 2015, 21, 777-785.	15.2	389
4	Dysfunctional Smad Signaling Contributes to Abnormal Smooth Muscle Cell Proliferation in Familial Pulmonary Arterial Hypertension. <i>Circulation Research</i> , 2005, 96, 1053-1063.	2.0	319
5	Identification of rare sequence variation underlying heritable pulmonary arterial hypertension. <i>Nature Communications</i> , 2018, 9, 1416.	5.8	279
6	BMP9 Mutations Cause a Vascular-Anomaly Syndrome with Phenotypic Overlap with Hereditary Hemorrhagic Telangiectasia. <i>American Journal of Human Genetics</i> , 2013, 93, 530-537.	2.6	270
7	Functional analysis of bone morphogenetic protein type II receptor mutations underlying primary pulmonary hypertension. <i>Human Molecular Genetics</i> , 2002, 11, 1517-1525.	1.4	231
8	Altered Bone Morphogenetic Protein and Transforming Growth Factor- β 2 Signaling in Rat Models of Pulmonary Hypertension. <i>Circulation</i> , 2009, 119, 566-576.	1.6	230
9	Identification of MicroRNA-124 as a Major Regulator of Enhanced Endothelial Cell Glycolysis in Pulmonary Arterial Hypertension via PTBP1 (Polypyrimidine Tract Binding Protein) and Pyruvate Kinase M2. <i>Circulation</i> , 2017, 136, 2451-2467.	1.6	195
10	Elabela/Toddler Is an Endogenous Agonist of the Apelin APJ Receptor in the Adult Cardiovascular System, and Exogenous Administration of the Peptide Compensates for the Downregulation of Its Expression in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2017, 135, 1160-1173.	1.6	183
11	Bone Morphogenetic Protein (BMP) and Activin Type II Receptors Balance BMP9 Signals Mediated by Activin Receptor-like Kinase-1 in Human Pulmonary Artery Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 15794-15804.	1.6	174
12	TNF α drives pulmonary arterial hypertension by suppressing the BMP type-II receptor and altering NOTCH signalling. <i>Nature Communications</i> , 2017, 8, 14079.	5.8	162
13	Bone Morphogenetic Protein Receptor Type II Deficiency and Increased Inflammatory Cytokine Production. A Gateway to Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 859-872.	2.5	113
14	BMP type II receptor deficiency confers resistance to growth inhibition by TGF- β 2 in pulmonary artery smooth muscle cells: role of proinflammatory cytokines. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 302, L604-L615.	1.3	101
15	Mutations in Bone Morphogenetic Protein Type II Receptor Cause Dysregulation of Id Gene Expression in Pulmonary Artery Smooth Muscle Cells. <i>Circulation Research</i> , 2008, 102, 1212-1221.	2.0	92
16	Failure of bone morphogenetic protein receptor trafficking in pulmonary arterial hypertension: potential for rescue. <i>Human Molecular Genetics</i> , 2008, 17, 3180-3190.	1.4	86
17	The lysosomal inhibitor, chloroquine, increases cell surface BMPR-II levels and restores BMP9 signalling in endothelial cells harbouring BMPR-II mutations. <i>Human Molecular Genetics</i> , 2013, 22, 3667-3679.	1.4	86
18	Circulating Bmp10 acts through endothelial Alk1 to mediate flow-dependent arterial quiescence. <i>Development (Cambridge)</i> , 2013, 140, 3403-3412.	1.2	86

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19	BMP4 inhibits proliferation and promotes myocyte differentiation of lung fibroblasts via Smad1 and JNK pathways. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 288, L370-L378.	1.3	84
20	Characterization of <i>GDF2</i> Mutations and Levels of BMP9 and BMP10 in Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 575-585.	2.5	80
21	Bone Morphogenetic Protein 9 Is a Mechanistic Biomarker of Portopulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 891-902.	2.5	69
22	Identification of a Lysosomal Pathway Regulating Degradation of the Bone Morphogenetic Protein Receptor Type II. <i>Journal of Biological Chemistry</i> , 2010, 285, 37641-37649.	1.6	59
23	Functional Characterization of Bone Morphogenetic Protein Binding Sites and Smad1/5 Activation in Human Vascular Cells. <i>Molecular Pharmacology</i> , 2008, 73, 539-552.	1.0	55
24	Transcript Analysis Reveals a Specific HOX Signature Associated with Positional Identity of Human Endothelial Cells. <i>PLoS ONE</i> , 2014, 9, e91334.	1.1	53
25	Transforming Growth Factor- β 1 Represses Bone Morphogenetic Protein-Mediated Smad Signaling in Pulmonary Artery Smooth Muscle Cells via Smad3. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 1135-1145.	1.4	52
26	Angiotensin II activates MAPK and stimulates growth of human pulmonary artery smooth muscle via AT β 1 receptors. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 277, L440-L448.	1.3	49
27	Angiogenesis regulation by TGF β 2 signalling: clues from an inherited vascular disease. <i>Biochemical Society Transactions</i> , 2011, 39, 1659-1666.	1.6	49
28	Single-cell RNA sequencing profiling of mouse endothelial cells in response to pulmonary arterial hypertension. <i>Cardiovascular Research</i> , 2022, 118, 2519-2534.	1.8	45
29	TGF- β 2 and BMPR-II pharmacology—implications for pulmonary vascular diseases. <i>Current Opinion in Pharmacology</i> , 2009, 9, 274-280.	1.7	44
30	BMP-9 Induced Endothelial Cell Tubule Formation and Inhibition of Migration Involves Smad1 Driven Endothelin-1 Production. <i>PLoS ONE</i> , 2012, 7, e30075.	1.1	43
31	Bone morphogenetic protein 9 (BMP9) and BMP10 enhance tumor necrosis factor- α -induced monocyte recruitment to the vascular endothelium mainly via activin receptor-like kinase 2. <i>Journal of Biological Chemistry</i> , 2017, 292, 13714-13726.	1.6	42
32	The transforming growth factor- β bone morphogenetic protein type signalling pathway in pulmonary vascular homeostasis and disease. <i>Experimental Physiology</i> , 2013, 98, 1262-1266.	0.9	40
33	Regulation of Bone Morphogenetic Protein 9 (BMP9) by Redox-dependent Proteolysis. <i>Journal of Biological Chemistry</i> , 2014, 289, 31150-31159.	1.6	40
34	The Prodomain-bound Form of Bone Morphogenetic Protein 10 Is Biologically Active on Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 2954-2966.	1.6	40
35	Circulating BMP9 Protects the Pulmonary Endothelium during Inflammation-induced Lung Injury in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 1419-1430.	2.5	34
36	Eotaxin-1/CC Chemokine Ligand 11: A Novel Eosinophil Survival Factor Secreted by Human Pulmonary Artery Endothelial Cells. <i>Journal of Immunology</i> , 2007, 179, 1264-1273.	0.4	33

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37	Reduced circulating BMP10 and BMP9 and elevated endoglin are associated with disease severity, decompensation and pulmonary vascular syndromes in patients with cirrhosis. <i>EBioMedicine</i> , 2020, 56, 102794.	2.7	27
38	Inactivation of platelet-derived growth factor-BB following modification by ADP-ribosyltransferase. <i>British Journal of Pharmacology</i> , 2001, 133, 1219-1226.	2.7	23
39	Bone Morphogenetic Protein 9 Enhances Lipopolysaccharide-Induced Leukocyte Recruitment to the Vascular Endothelium. <i>Journal of Immunology</i> , 2016, 197, 3302-3314.	0.4	22
40	Approaches to treat pulmonary arterial hypertension by targeting BMPR2: from cell membrane to nucleus. <i>Cardiovascular Research</i> , 2021, 117, 2309-2325.	1.8	20
41	Homozygous <i>GDF2</i> nonsense mutations result in a loss of circulating BMP9 and BMP10 and are associated with either PAH or an "HHT-like" syndrome in children. <i>Molecular Genetics & Genomic Medicine</i> , 2021, 9, e1685.	0.6	19
42	The promise of recombinant BMP ligands and other approaches targeting BMPR-II in the treatment of pulmonary arterial hypertension. <i>Global Cardiology Science & Practice</i> , 2015, 2015, 47.	0.3	17
43	4PBA Restores Signaling of a Cysteine-substituted Mutant BMPR2 Receptor Found in Patients with Pulmonary Arterial Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 160-171.	1.4	16
44	The endothelial protective factors, BMP9 and BMP10, inhibit CCL2 release by human vascular endothelial cells. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	12
45	A 3D tri-culture system reveals that activin receptor-like kinase 5 and connective tissue growth factor drive human glomerulosclerosis. <i>Journal of Pathology</i> , 2017, 243, 390-400.	2.1	8
46	Targeting translational read-through of premature termination mutations in <i>BMPR2</i> with PTC124 for pulmonary arterial hypertension. <i>Pulmonary Circulation</i> , 2020, 10, 1-14.	0.8	8
47	Plasma levels of apelin are reduced in patients with liver fibrosis and cirrhosis but are not correlated with circulating levels of bone morphogenetic protein 9 and 10. <i>Peptides</i> , 2021, 136, 170440.	1.2	7
48	Connexin-mediated regulation of the pulmonary vasculature. <i>Biochemical Society Transactions</i> , 2015, 43, 524-529.	1.6	6
49	Differential Adrenomedullin Release and Endothelin Receptor Expression in Distinct Subpopulations of Human Airway Smooth-Muscle Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2001, 25, 316-325.	1.4	3
50	Deficiency of Axl aggravates pulmonary arterial hypertension via BMPR2. <i>Communications Biology</i> , 2021, 4, 1002.	2.0	3
51	Generation of a Soluble Form of Human Endoglin Fused to Green Fluorescent Protein. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11282.	1.8	3
52	Letter by Morrell et al Regarding Article, "Selective BMP-9 Inhibition Partially Protects Against Experimental Pulmonary Hypertension" <i>Circulation Research</i> , 2019, 124, e81.	2.0	2
53	An emerging class of new therapeutics targeting TGF, Activin, and BMP ligands in pulmonary arterial hypertension. <i>Developmental Dynamics</i> , 2023, 252, 327-342.	0.8	2
54	BS44...Cytokine induced downregulation of plasma membrane calcium atpase 4 gene increases sensitivity to apoptosis in pulmonary artery endothelial cells. , 2019, , .		0