

Peter Polgar

List of Publications by Year in descending order

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62
papers

1,589
citations

257450
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docs citations

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times ranked

1397
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms regulating the expression, self-maintenance, and signaling-function of the bradykinin B2 and B1 receptors. <i>Journal of Cellular Physiology</i> , 2002, 193, 275-286.	4.1	152
2	Regulation of lysyl oxidase and cyclooxygenase expression in human lung fibroblasts: interactions among TGF- β 2, IL-1 β , and prostaglandin E. <i>Journal of Cellular Biochemistry</i> , 1996, 62, 411-417.	2.6	75
3	Strategic Plan for Lung Vascular Research. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 1554-1562.	5.6	73
4	Stimulation of prostaglandin synthesis by ascorbic acid via hydrogen peroxide formation. <i>Prostaglandins</i> , 1980, 19, 693-700.	1.2	70
5	Self regulation of growth by human diploid fibroblasts via prostaglandin production. <i>FEBS Letters</i> , 1977, 79, 69-72.	2.8	58
6	Prostaglandin production by type II alveolar epithelial cells. <i>Lipids and Lipid Metabolism</i> , 1979, 572, 502-509.	2.6	57
7	Effects of Intracellular Tyrosine Residue Mutation and Carboxyl Terminus Truncation on Signal Transduction and Internalization of the Rat Bradykinin B2 Receptor. <i>Journal of Biological Chemistry</i> , 1997, 272, 14638-14642.	3.4	56
8	Roles for interleukin-1 β , phorbol ester and a post-transcriptional regulator in the control of bradykinin B1 receptor gene expression. <i>Biochemical Journal</i> , 1998, 330, 361-366.	3.7	55
9	The influence of gamma radiation on arachidonic acid release and prostacyclin synthesis. <i>Prostaglandins</i> , 1983, 25, 783-791.	1.2	51
10	Motif Mutation of Bradykinin B2 Receptor Second Intracellular Loop and Proximal C Terminus Is Critical for Signal Transduction, Internalization, and Resensitization. <i>Journal of Biological Chemistry</i> , 1998, 273, 33548-33555.	3.4	42
11	Characterization of human cyclooxygenase 2 gene promoter localization of a TGF- β 2 response element. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1997, 1350, 287-292.	2.4	38
12	Phosphorylation inactivation of endothelial nitric oxide synthesis in pulmonary arterial hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L1199-L1205.	2.9	37
13	Hyperplastic Growth of Pulmonary Artery Smooth Muscle Cells from Subjects with Pulmonary Arterial Hypertension Is Activated through JNK and p38 MAPK. <i>PLoS ONE</i> , 2015, 10, e0123662.	2.5	36
14	Regulation of inducible bradykinin B1 receptor gene expression through absence of internalization and resensitization. <i>Journal of Cellular Biochemistry</i> , 2000, 78, 351-362.	2.6	34
15	The role of adenosine 3'-5'-cyclic monophosphate in the division of WI 38 cells. The cellular response to prostaglandin E1 and the effects of an cyclic adenosine 3'-5'-cyclic monophosphate analogue and prostaglandin E1 on cell division. <i>Biochemical Journal</i> , 1974, 142, 339-344.	3.1	33
16	Cell growth and the regulation of prostaglandin synthesis. <i>Prostaglandins</i> , 1981, 22, 723-728.	1.2	33
17	Prostaglandin synthesis by cells comprising the calf pulmonary artery. <i>Journal of Cellular Physiology</i> , 1984, 120, 163-168.	4.1	32
18	Plasma membrane associated metabolic parameters and the aging of human diploid fibroblasts. <i>Mechanisms of Ageing and Development</i> , 1978, 7, 151-160.	4.6	31

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19	Genomic Structure of the Human Bradykinin B1 Receptor Gene and Preliminary Characterization of Its Regulatory Regions. <i>Biochemical and Biophysical Research Communications</i> , 1996, 222, 718-725.	2.1	31
20	Role of prostaglandin E2 EP receptors and cAMP in the expression of connective tissue growth factor. <i>Archives of Biochemistry and Biophysics</i> , 2002, 404, 302-308.	3.0	31
21	Altered expression and signal transduction of endothelin-1 receptors in heritable and idiopathic pulmonary arterial hypertension. <i>Journal of Cellular Physiology</i> , 2013, 228, 322-329.	4.1	27
22	Mechanisms in the Transcriptional Regulation of Bradykinin B1 Receptor Gene Expression. <i>Journal of Biological Chemistry</i> , 1998, 273, 10763-10770.	3.4	25
23	Alterations in prostaglandin synthesis during senescence of human lung fibroblasts. <i>Mechanisms of Ageing and Development</i> , 1980, 12, 305-310.	4.6	24
24	A Review: Prostaglandins, Aging, and Blood Vessels. <i>Journal of the American Geriatrics Society</i> , 1987, 35, 239-247.	2.6	24
25	Regulation of lysyl oxidase and cyclooxygenase expression in human lung fibroblasts: interactions among TGF-beta, IL-1 beta, and prostaglandin E. <i>Journal of Cellular Biochemistry</i> , 1996, 62, 411-7.	2.6	24
26	DNA Microarray and Signal Transduction Analysis in Pulmonary Artery Smooth Muscle Cells From Heritable and Idiopathic Pulmonary Arterial Hypertension Subjects. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 386-397.	2.6	23
27	Functional expression of the bradykinin-B2 receptor cDNA in Chinese hamster lung CCL39 fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 1992, 188, 786-793.	2.1	20
28	The effect of bovine serum albumin on the synthesis of prostaglandin and incorporation of [3H]acetate into platelet-activating factor. <i>Archives of Biochemistry and Biophysics</i> , 1987, 257, 251-258.	3.0	19
29	Interactions of bradykinin, calcium, G-protein and protein kinase in the activation of phospholipase A2 in bovine pulmonary artery endothelial cells. <i>Agents and Actions</i> , 1993, 40, 110-118.	0.7	19
30	Bradykinin B2 receptor signaling: Structural and functional characterization of the C-terminus. <i>Biopolymers</i> , 2005, 80, 367-373.	2.4	19
31	Protein expression by human pulmonary artery smooth muscle cells containing a BMPR2 mutation and the action of ET-1 as determined by proteomic mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2015, 378, 347-359.	1.5	19
32	Posttranscriptional Destabilization of the Bradykinin B1 Receptor Messenger RNA: Cloning and Functional Characterization of the 3'-Untranslated Region. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 1999, 1, 29-35.	1.6	17
33	Global chimeric exchanges within the intracellular face of the bradykinin B2 receptor with corresponding angiotensin II type Ia receptor regions: Generation of fully functional hybrids showing characteristic signaling of the AT1a receptor. <i>Journal of Cellular Biochemistry</i> , 2002, 85, 809-819.	2.6	16
34	Enhanced bradykinin-stimulated phospholipase C activity in murine embryonic stem cells lacking the G-protein β -q-subunit. <i>Biochemical Journal</i> , 1997, 327, 803-809.	3.7	15
35	Structural insight into the role of the second intracellular loop of the bradykinin 2 receptor in signaling and internalization. <i>Biopolymers</i> , 2002, 63, 239-246.	2.4	14
36	Angiotensin II type 1 and bradykinin B2 receptors expressed in early stage epithelial cells derived from human embryonic stem cells. <i>Journal of Cellular Physiology</i> , 2007, 211, 816-825.	4.1	14

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37	Unraveling endothelin-1 induced hypercontractility of human pulmonary artery smooth muscle cells from patients with pulmonary arterial hypertension. PLoS ONE, 2018, 13, e0195780.	2.5	14
38	A Cell Permeable Peptide Targeting the Intracellular Loop 2 of Endothelin B Receptor Reduces Pulmonary Hypertension in a Hypoxic Rat Model. PLoS ONE, 2013, 8, e81309.	2.5	14
39	Unsaturated fatty acid effect on cyclic amp levels in human embryo lung fibroblasts. Prostaglandins, 1979, 18, 43-52.	1.2	13
40	Prostaglandin production and cellular aging. Mechanisms of Ageing and Development, 1981, 16, 311-317.	4.6	13
41	Mediator caused induction of a human bradykinin B1 receptor minigene: Participation of c-Jun in the process. Journal of Cellular Biochemistry, 2001, 82, 163-170.	2.6	13
42	Limiting angiotensin II signaling with a cellâ€penetrating peptide mimicking the second intracellular loop of the angiotensin II typeâ€I receptor. Chemical Biology and Drug Design, 2010, 76, 70-76.	3.2	13
43	Targeting Receptor Tyrosine Kinases and Their Downstream Signaling with Cellâ€Penetrating Peptides in Human Pulmonary Artery Smooth Muscle and Endothelial Cells. Chemical Biology and Drug Design, 2015, 85, 586-597.	3.2	13
44	Hybrid formation between the intracellular faces of the bradykinin B2 and angiotensin II AT1 receptors and signal transduction. International Immunopharmacology, 2002, 2, 1807-1822.	3.8	12
45	Activation of ERK, JNK, Akt, and G-protein coupled signaling by hybrid angiotensin II AT1/bradykinin B2 receptors expressed in HEK-293 cells. Journal of Cellular Biochemistry, 2007, 101, 192-204.	2.6	12
46	Endothelin-1 activation of ETB receptors leads to a reduced cellular proliferative rate and an increased cellular footprint. Experimental Cell Research, 2012, 318, 1125-1133.	2.6	12
47	CDC2 Is an Important Driver of Vascular Smooth Muscle Cell Proliferation via FOXM1 and PLK1 in Pulmonary Arterial Hypertension. International Journal of Molecular Sciences, 2021, 22, 6943.	4.1	12
48	Role of hydroxyl containing residues in the intracellular region of rat bradykinin B2 receptor in signal transduction, receptor internalization, and resensitization. Journal of Cellular Biochemistry, 2001, 83, 435-447.	2.6	11
49	Participation of PLK1 and FOXM1 in the hyperplastic proliferation of pulmonary artery smooth muscle cells in pulmonary arterial hypertension. PLoS ONE, 2019, 14, e0221728.	2.5	11
50	Effect of prolonged prostaglandin exposure on prostaglandin synthesis by human lung fibroblasts. Prostaglandins, 1984, 28, 717-729.	1.2	9
51	Effect of the G-Protein, G α i2, and G α i3 Subunit Knockdown on Bradykinin-Induced Signal Transduction in Rat-1 Cells. Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications, 1999, 1, 227-236.	1.6	9
52	p53 down-regulates human bradykinin B1 receptor gene expression. Journal of Cellular Biochemistry, 2001, 82, 38-45.	2.6	9
53	Coulombic and Hydrophobic Interactions in the First Intracellular Loop Are Vital for Bradykinin B2 Receptor Ligand Binding and Consequent Signal Transduction. Biochemistry, 2005, 44, 5295-5306.	2.5	9
54	Modulation by bradykinin of angiotensin type 1 receptor-evoked RhoA activation of connective tissue growth factor expression in human lung fibroblasts. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L1291-L1299.	2.9	9

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55	C-terminus of ET _A /ET _B receptors regulate endothelin ₁ signal transmission. Journal of Peptide Science, 2013, 19, 257-262.	1.4	8
56	Chimeric exchanges within the bradykinin B2 receptor intracellular face with the prostaglandin EP2 receptor as the donor: importance of the second intracellular loop for cAMP synthesis. Archives of Biochemistry and Biophysics, 2003, 415, 54-62.	3.0	6
57	K317, R319, and E320 within the proximal C-terminus of the bradykinin B2 receptor form a motif important for phospholipase C and phospholipase A2 but not connective tissue growth factor related signaling. Journal of Cellular Biochemistry, 2004, 92, 547-559.	2.6	6
58	Enhancing and Limiting Endothelin ₁ Signaling with a Cell-penetrating Peptide Mimicking the Third Intracellular Loop of the ETB Receptor. Chemical Biology and Drug Design, 2012, 80, 374-381.	3.2	6
59	Modulating the dysregulated migration of pulmonary arterial hypertensive smooth muscle cells with motif mimicking cell permeable peptides. Current Topics in Peptide and Protein Research, 2015, 16, 1-17.	1.0	5
60	Radiation, Lipid Peroxidation and the Role of Oxygen Radicals in Eicosanoid Metabolism. , 1988, , 119-131.		3
61	Transgenic expression of an altered angiotensin type I AT1 receptor resulting in marked modulation of vascular type I collagen. Journal of Cellular Physiology, 2012, 227, 2013-2021.	4.1	2
62	Regulation of lysyl oxidase and cyclooxygenase expression in human lung fibroblasts: interactions among TGF β ₁ ² , IL β ₁ ² , and prostaglandin E. Journal of Cellular Biochemistry, 1996, 62, 411-417.	2.6	1