Martin Paul

List of Publications by Year
in descending order

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94 papers	6,965 citations	61984 43 h-index	56724 83 g-index
98 all docs	98 docs citations	98 times ranked	7337 citing authors

#	Article	IF	Citations
1	A Delayed Type of Three-Dimensional Growth of Human Endothelial Cells Under Simulated Weightlessness. Tissue Engineering - Part A, 2009, 15, 2267-2275.	3.1	79
2	Healing By Gene Therapy â€" Hype or Hope?. International Library of Ethics, Law, and the New Medicine, 2009, , 127-141.	0.5	0
3	Effects of basic fibroblast growth factor on endothelial cells under conditions of simulated microgravity. Journal of Cellular Biochemistry, 2008, 104, 1324-1341.	2.6	57
4	El factor de crecimiento endotelial vascular induce proteÃnas de matriz extracelular y osteopontina en la arteria umbilical. Annals of Vascular Surgery, 2008, 22, 296-308.	0.0	0
5	Le facteur de croissance vasculaire endothÃ©liale induit les protÃ©ines de la matrice extracellulaire et l'ostÃ©opontine dans l'artÃ¨re ombilicale. Annales De Chirurgie Vasculaire, 2008, 22, 296-308.	0.0	0
6	Vascular Endothelial Growth Factor Induces Extracellular Matrix Proteins and Osteopontin in the Umbilical Artery. Annals of Vascular Surgery, 2008, 22, 273-284.	0.9	40
7	Expression of vascular endothelial growth factor and receptor tyrosine kinases in cardiac ischemia/reperfusion injury. Cardiovascular Pathology, 2007, 16, 291-299.	1.6	40
8	Modeled gravitational unloading induced downregulation of endothelin-1 in human endothelial cells. Journal of Cellular Biochemistry, 2007, 101, 1439-1455.	2.6	88
9	Simulated weightlessness changes the cytoskeleton and extracellular matrix proteins in papillary thyroid carcinoma cells. Cell and Tissue Research, 2006, 324, 267-277.	2.9	87
10	Inverse regulation of preproendothelin-1 and endothelin-converting enzyme-1Î² genes in cardiac cells by mechanical load. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R1639-R1645.	1.8	19
11	Physiology of Local Renin-Angiotensin Systems. Physiological Reviews, 2006, 86, 747-803.	28.8	1,433
12	Increase of fibronectin and osteopontin in porcine hearts following ischemia and reperfusion. Journal of Molecular Medicine, 2005, 83, 626-637.	3.9	45
13	Soluble Vascular Endothelial Growth Factor Receptor-1 (sFLT-1) Mediates Downregulation of FLT-1 and Prevents Activated Neutrophils From Women With Preeclampsia From Additional Migration by VEGF. Circulation Research, 2005, 97, 1253-1261.	4.5	38
14	Intraluminal Application of Vascular Endothelial Growth Factor Enhances Healing of Microvascular Anastomosis in a Rat Model. Journal of Vascular Research, 2005, 42, 202-213.	1.4	28
15	Over-expression of angiotensin converting enzyme-1 augments cardiac hypertrophy in transgenic rats. Human Molecular Genetics, 2004, 13, 1441-1450.	2.9	31
16	Improvement of defective sarcoplasmic reticulum Ca 2+ transport in diabetic heart of transgenic rats expressing the human kallikreinâ€1 gene. FASEB Journal, 2004, 18, 1967-1969.	0.5	27
17	Increased Myocardial Collagen Content in Transgenic Rats Overexpressing Cardiac Angiotensin-Converting Enzyme Is Related to Enhanced Breakdown of N -Acetyl-Ser-Asp-Lys-Pro and Increased Phosphorylation of Smad2/3. Circulation, 2004, 110, 3129-3135.	1.6	68
18	Developmental Effects of Prenatal Exposure to Bisphenol A on the Uterus of Rat Offspring. Neoplasia, 2004, 6, 584-594.	5.3	60

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19	Nitric oxide in the human hair follicle: constitutive and dihydrotestosterone-induced nitric oxide synthase expression and NO production in dermal papilla cells. Journal of Molecular Medicine, 2003, 81, 110-117.	3.9	33
20	Species-specific splicing and expression of angiotensin converting enzyme. Biochemical Pharmacology, 2003, 66, 1037-1044.	4.4	12
21	Cardiac fibrosis occurs early and involves endothelin and AT-1 receptors in hypertension due to endogenous angiotensin II. Journal of the American College of Cardiology, 2003, 41, 666-673.	2.8	94
22	Blockade of the Intermediate-Conductance Calcium-Activated Potassium Channel as a New Therapeutic Strategy for Restenosis. Circulation, 2003, 108, 1119-1125.	1.6	217
23	ERK1/2-Dependent Contractile Protein Expression in Vascular Smooth Muscle Cells. Hypertension, 2003, 41, 546-552.	2.7	26
24	Differential binding of transcription factor E2F-2 to the endothelin-converting enzyme-1b promoter affects blood pressure regulation. Human Molecular Genetics, 2003, 12, 423-433.	2.9	53
25	Weightlessness Induced Apoptosis in Normal Thyroid Cells and Papillary Thyroid Carcinoma Cells via Extrinsic and Intrinsic Pathways. Endocrinology, 2003, 144, 4172-4179.	2.8	76
26	Functional Effects of Acute Coronary Occlusion and Catecholinergic Stimuli on the Isolated Normothermic Hemoperfused Porcine Heart. Clinical and Experimental Hypertension, 2003, 25, 235-255.	1.3	4
27	Regulation of the major isoform of human endothelin-converting enzyme-1 by a strong housekeeping promoter modulated by polymorphic microsatellites. Journal of Hypertension, 2003, 21, 2111-2124.	0.5	28
28	Renal damage is not improved by blockade of endothelin receptors in primary renin-dependent hypertension. Journal of Hypertension, 2003, 21, 2389-2397.	0.5	19
29	Influence of Transgenic Expression of Sarcoplasmic Reticulum Ca2+ATPase on Reticular Ca2+ Transport in Rat Hearts. Progress in Experimental Cardiology, 2003, , 401-415.	0.0	0
30	Transgenic overexpression of the sarcoplasmic reticulum Ca 2+ ATPase improves reticular Ca 2+ handling in normal and diabetic rat hearts. FASEB Journal, 2002, 16, 1657-1659.	0.5	88
31	Inhibition of left ventricular fibrosis by tranilast in rats with renovascular hypertension. Journal of Hypertension, 2002, 20, 745-751.	0.5	37
32	Simulated microgravity alters differentiation and increases apoptosis in human follicular thyroid carcinoma cells. FASEB Journal, 2002, 16, 604-606.	0.5	156
33	Early onset of chondroitin sulfate and osteopontin expression in angiotensin ii-dependent left ventricular hypertrophy1. American Journal of Hypertension, 2002, 15, 644-652.	2.0	52
34	Parent bisphenol A accumulation in the human maternal-fetal-placental unit.. Environmental Health Perspectives, 2002, 110, A703-7.	6.0	344
35	Low doses of 2,3,7,8-tetrachlorodibenzo- p -dioxin increase transforming growth factor Î² and cause myocardial fibrosis in marmosets (Callithrix jacchus). Archives of Toxicology, 2002, 76, 360-366.	4.2	45
36	Nitric oxide synthase isoform expression in acute versus chronic anti-Thy 1 nephritis. Kidney International, 2002, 61, 826-833.	5.2	15

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37	Parent Bisphenol A Accumulation in the Human Maternal-Fetal-Placental Unit. Environmental Health Perspectives, 2002, 110, a703-a707.	6.0	601
38	Extracellular Matrix Proteins in Cardiac Fibroblasts Derived from Rat Hearts with Chronic Pressure Overload: Effects of Beta-receptor Blockade. Journal of Molecular and Cellular Cardiology, 2001, 33, 487-501.	1.9	65
39	â€¢NO and Oxyradical Metabolism in New Cell Lines of Rat Brain Capillary Endothelial Cells Forming the Bloodâ€“Brain Barrier. Microvascular Research, 2001, 62, 114-127.	2.5	49
40	Oxidative Stress Increases Endothelin-1 Synthesis in Human Coronary Artery Smooth Muscle Cells. Journal of Cardiovascular Pharmacology, 2001, 38, 49-57.	1.9	147
41	Effects of angiotensin II subtype 1 receptor blockade on cardiac fibrosis and sarcoplasmic reticulum Ca2+ handling in hypertensive transgenic rats overexpressing the Ren2 gene. Journal of Hypertension, 2001, 19, 1465-1472.	0.5	15
42	Characterization of Polymorphic Structure of Cathepsin G Gene. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 1538-1543.	2.4	33
43	Overexpression of the human angiotensin II type 1 receptor in the rat heart augments load induced cardiac hypertrophy. Journal of Molecular Medicine, 2001, 79, 601-608.	3.9	57
44	Apoptosis in cardiac disease: from basics to clinics–an editorial commentary. Cardiovascular Drugs and Therapy, 2001, 15, 553-554.	2.6	2
45	Inducible nitric oxide synthase in the myocard. Molecular and Cellular Biochemistry, 2001, 217, 73-82.	3.1	75
46	Upregulation of the vascular NAD(P)H-oxidase isoforms Nox1 and Nox4 by the renin-angiotensin system in vitro and in vivo. Free Radical Biology and Medicine, 2001, 31, 1456-1464.	2.9	244
47	Impaired Hyperpolarization in Regenerated Endothelium After Balloon Catheter Injury. Circulation Research, 2001, 89, 174-179.	4.5	61
48	Regulation of Raf by Akt Controls Growth and Differentiation in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 2001, 276, 33630-33637.	3.4	144
49	Gî²î³ Mediate Differentiation of Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 2001, 276, 19540-19547.	3.4	28
50	Hypoxia reverses dibutyrylâ€cAMPâ€induced stellation of cultured astrocytes via activation of the endothelin system. FASEB Journal, 2001, 15, 1227-1229.	0.5	9
51	Renal Endothelin ET _A /ET _B Receptor Imbalance Differentiates Salt-Sensitive From Salt-Resistant Spontaneous Hypertension. Hypertension, 2001, 37, 275-280.	2.7	46
52	Acute blood pressure effects of YC-1-induced activation of soluble guanylyl cyclase in normotensive and hypertensive rats. British Journal of Pharmacology, 2000, 130, 205-208.	5.4	45
53	Influence of sustained mechanical stress on Egr-1 mRNA expression in cultured human endothelial cells. Molecular and Cellular Biochemistry, 2000, 210, 101-108.	3.1	31
54	Transcriptional control of deformation-induced preproendothelin-1 gene expression in endothelial cells. Journal of Molecular Medicine, 2000, 78, 441-450.	3.9	30

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55	Transgenic animal models for the analysis of the renal endothelin system. Nephrology Dialysis Transplantation, 2000, 15, 935-937.	0.7	16
56	Cardiac Endothelin System Impairs Left Ventricular Function in Renin-Dependent Hypertension via Decreased Sarcoplasmic Reticulum Ca ²⁺ Uptake. Circulation, 2000, 102, 1582-1588.	1.6	42
57	Expression and Function of Endothelial Ca2+-Activated K+Channels in Human Mesenteric Artery. Circulation Research, 2000, 87, 496-503.	4.5	131
58	Reduction in Left Ventricular Messenger RNA for Transforming Growth Factor Î² 1 Attenuates Left Ventricular Fibrosis and Improves Survival Without Lowering Blood Pressure in the Hypertensive TGR(mRen2)27 Rat. Hypertension, 2000, 36, 747-754.	2.7	85
59	Oxidative Stress Increases Synthesis of Big Endothelin-1 by Activation of the Endothelin-1 Promoter. Journal of Molecular and Cellular Cardiology, 2000, 32, 1429-1437.	1.9	140
60	Transgenic Models for the Study of Endothelin Function in the Cardiovascular System. Journal of Cardiovascular Pharmacology, 2000, 35, S13-S16.	1.9	10
61	Transgenic rats expressing the human ET-2 gene: a model for the study of endothelin actions in vivo. Journal of Molecular Medicine, 1999, 77, 565-574.	3.9	18
62	The cardiac endothelin system in established pressure overload left ventricular hypertrophy. Journal of Molecular Medicine, 1999, 77, 623-630.	3.9	26
63	Cloning and functional characterization of the bovine endothelin-converting enzyme-1a promoter. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1999, 1446, 352-358.	2.4	2
64	Phosphorylation of vasodilator-stimulated phosphoprotein: a consequence of nitric oxide- and cGMP-mediated signal transduction in brain capillary endothelial cells and astrocytes. Molecular Brain Research, 1999, 67, 258-266.	2.3	66
65	Arterieller Hypertonus und das Renin-Angiotensin-System â€" genetische und transgene Studien. , 1999, , 1-10.		0
66	Effects of quinapril, losartan and hydralazine on cardiac hypertrophy and Î² -adrenergic neuroeffector mechanisms in transgenic (mREN2)27 rats. British Journal of Pharmacology, 1998, 123, 405-412.	5.4	25
67	The TGR(mRen2)27 transgenic rat model of hypertension. Regulatory Peptides, 1998, 77, 3-8.	1.9	16
68	Nitric oxide protects blood-brain barrier in vitro from hypoxia/reoxygenation-mediated injury. FEBS Letters, 1998, 424, 197-201.	2.8	85
69	Lessons from rat models of hypertension from Goldblatt to genetic engineering. Cardiovascular Research, 1998, 39, 77-88.	3.8	275
70	Endothelin Converting-Enzyme-1 mRNA Expression in Human Cardiovascular Disease. Clinical and Experimental Hypertension, 1998, 20, 417-437.	1.3	6
71	The role of endothelin in hypertension. Current Opinion in Nephrology and Hypertension, 1998, 7, 451-456.	2.0	15
72	Differential Development of Early Hypertension in Heterozygous Transgenic TGR(mREN2)27 Rats. Clinical and Experimental Hypertension, 1998, 20, 273-282.	1.3	7

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73	Dissociation of blood pressure reduction from end-organ damage in TGR(mREN2)27 transgenic hypertensive rats. Journal of Hypertension, 1998, 16, 1759-1765.	0.5	29
74	Single-Cell Characterization of Endothelin System Gene Expression in the Cerebellum In Situ. Journal of Cardiovascular Pharmacology, 1998, 31, S364-S366.	1.9	17
75	Bedeutung peptiderger Systeme bei der Genese kardiovaskulÃrer Erkrankungen. , 1998, , 372-400.		0
76	Bergmann glial cells in situ express endothelinB receptors linked to cytoplasmic calcium signals. Cell Calcium, 1997, 21, 409-419.	2.4	46
77	Cardiovascular end-organ damage in Ren-2 transgenic rats compared to spontaneously hypertensive rats. Journal of Molecular Medicine, 1997, 75, 371-377.	3.9	46
78	Early Induction of Angiotensin Iâ€“Converting Enzyme in Rat Carotid Artery After Balloon Injury. Hypertension, 1997, 30, 272-277.	2.7	19
79	Contractile Systolic and Diastolic Dysfunction in Renin-Induced Hypertensive Cardiomyopathy. Hypertension, 1997, 30, 383-391.	2.7	39
80	Î±-Adrenergic Signal Transduction in Renin Transgenic Rats. Hypertension, 1997, 30, 1356-1361.	2.7	8
81	Angiotensin II Stimulates Proliferation of Primary Human Keratinocytes via a Non-AT1, Non-AT2Angiotensin Receptor. Biochemical and Biophysical Research Communications, 1996, 229, 329-333.	2.1	53
82	Expression of inducible nitric oxide synthase in placenta of women with gestational diabetes. FASEB Journal, 1996, 10, 777-784.	0.5	73
83	ENDOTHELIN-1-LIKE IMMUNOREACTIVITY IN HUMAN ATHEROSCLEROTIC CORONARY TISSUE:A DETAILED ANALYSIS OF THE CELLULAR DISTRIBUTION OF ENDOTHELIN-1. , 1996, 179, 303-308.		38
84	Characterization of the Renal Phenotype of Transgenic Rats Expressing the Human Endothelin-2 Gene. Hypertension, 1996, 28, 196-201.	2.7	74
85	Transgenic animal models for hypertension research. Trends in Cardiovascular Medicine, 1995, 5, 108-114.	4.9	3
86	Dose-Dependent Dissociation of ACE-Inhibitor Effects on Blood Pressure, Cardiac Hypertrophy, and Î²-Adrenergic Signal Transduction. Circulation, 1995, 92, 3006-3013.	1.6	28
87	Characterization and Functional Analysis of the Rat Endothelin-1 Promoter. Hypertension, 1995, 25, 683-687.	2.7	38
88	Cardiac Norepinephrine, p-Adrenoceptors, and GiÎ±-Proteins in Prehypertensive and Hypertensive Spontaneously Hypertensive Rats. Journal of Cardiovascular Pharmacology, 1994, 23, 980-987.	1.9	39
89	The Human Renin-Angiotensin System in Transgenic Rats â€" New Tools for Antihypertensive Therapy. , 1993, , 1-23.		0
90	The tissue renin-angiotensin systems in cardiovascular disease. Trends in Cardiovascular Medicine, 1992, 2, 94-99.	4.9	69

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91	Tissue Reninâ€"Angiotensin Systems. Journal of Cardiovascular Pharmacology, 1991, 18, S20-S25.	1.9	32
92	Androgen dependence and tissue specificity of renin messenger RNA expression in mice. Journal of Hypertension, 1990, 8, 45-52.	0.5	41
93	Quantification of renin mRNA in various mouse tissues by a novel solution hybridization assay. Journal of Hypertension, 1988, 6, 247-252.	0.5	60
94	Localization of renin (EC 3.4.23) and converting enzyme (EC 3.4.15.1) in nerve endings of rat brain. Brain Research, 1985, 334, 315-324.	2.2	23