

# 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	Physiology of Local Renin-Angiotensin Systems. <i>Physiological Reviews</i> , 2006, 86, 747-803.	28.8	1,433
2	Parent Bisphenol A Accumulation in the Human Maternal-Fetal-Placental Unit. <i>Environmental Health Perspectives</i> , 2002, 110, a703-a707.	6.0	601
3	Parent bisphenol A accumulation in the human maternal-fetal-placental unit.. <i>Environmental Health Perspectives</i> , 2002, 110, A703-7.	6.0	344
4	Lessons from rat models of hypertension from Goldblatt to genetic engineering. <i>Cardiovascular Research</i> , 1998, 39, 77-88.	3.8	275
5	Upregulation of the vascular NAD(P)H-oxidase isoforms Nox1 and Nox4 by the renin-angiotensin system in vitro and in vivo. <i>Free Radical Biology and Medicine</i> , 2001, 31, 1456-1464.	2.9	244
6	Blockade of the Intermediate-Conductance Calcium-Activated Potassium Channel as a New Therapeutic Strategy for Restenosis. <i>Circulation</i> , 2003, 108, 1119-1125.	1.6	217
7	Simulated microgravity alters differentiation and increases apoptosis in human follicular thyroid carcinoma cells. <i>FASEB Journal</i> , 2002, 16, 604-606.	0.5	156
8	Oxidative Stress Increases Endothelin-1 Synthesis in Human Coronary Artery Smooth Muscle Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2001, 38, 49-57.	1.9	147
9	Regulation of Raf by Akt Controls Growth and Differentiation in Vascular Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 33630-33637.	3.4	144
10	Oxidative Stress Increases Synthesis of Big Endothelin-1 by Activation of the Endothelin-1 Promoter. <i>Journal of Molecular and Cellular Cardiology</i> , 2000, 32, 1429-1437.	1.9	140
11	Expression and Function of Endothelial Ca <sup>2+</sup> -Activated K <sup>+</sup> Channels in Human Mesenteric Artery. <i>Circulation Research</i> , 2000, 87, 496-503.	4.5	131
12	Cardiac fibrosis occurs early and involves endothelin and AT-1 receptors in hypertension due to endogenous angiotensin II. <i>Journal of the American College of Cardiology</i> , 2003, 41, 666-673.	2.8	94
13	Transgenic overexpression of the sarcoplasmic reticulum Ca <sup>2+</sup> ATPase improves reticular Ca <sup>2+</sup> handling in normal and diabetic rat hearts. <i>FASEB Journal</i> , 2002, 16, 1657-1659.	0.5	88
14	Modeled gravitational unloading induced downregulation of endothelin-1 in human endothelial cells. <i>Journal of Cellular Biochemistry</i> , 2007, 101, 1439-1455.	2.6	88
15	Simulated weightlessness changes the cytoskeleton and extracellular matrix proteins in papillary thyroid carcinoma cells. <i>Cell and Tissue Research</i> , 2006, 324, 267-277.	2.9	87
16	Nitric oxide protects blood-brain barrier in vitro from hypoxia/reoxygenation-mediated injury. <i>FEBS Letters</i> , 1998, 424, 197-201.	2.8	85
17	Reduction in Left Ventricular Messenger RNA for Transforming Growth Factor $\beta$ 1 Attenuates Left Ventricular Fibrosis and Improves Survival Without Lowering Blood Pressure in the Hypertensive TGR(mRen2)27 Rat. <i>Hypertension</i> , 2000, 36, 747-754.	2.7	85
18	A Delayed Type of Three-Dimensional Growth of Human Endothelial Cells Under Simulated Weightlessness. <i>Tissue Engineering - Part A</i> , 2009, 15, 2267-2275.	3.1	79

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19	Weightlessness Induced Apoptosis in Normal Thyroid Cells and Papillary Thyroid Carcinoma Cells via Extrinsic and Intrinsic Pathways. <i>Endocrinology</i> , 2003, 144, 4172-4179.	2.8	76
20	Inducible nitric oxide synthase in the myocardium. <i>Molecular and Cellular Biochemistry</i> , 2001, 217, 73-82.	3.1	75
21	Characterization of the Renal Phenotype of Transgenic Rats Expressing the Human Endothelin-2 Gene. <i>Hypertension</i> , 1996, 28, 196-201.	2.7	74
22	Expression of inducible nitric oxide synthase in placenta of women with gestational diabetes. <i>FASEB Journal</i> , 1996, 10, 777-784.	0.5	73
23	The tissue renin-angiotensin systems in cardiovascular disease. <i>Trends in Cardiovascular Medicine</i> , 1992, 2, 94-99.	4.9	69
24	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. <i>Circulation</i> , 2004, 110, 3129-3135.	1.6	68
25	Phosphorylation of vasodilator-stimulated phosphoprotein: a consequence of nitric oxide- and cGMP-mediated signal transduction in brain capillary endothelial cells and astrocytes. <i>Molecular Brain Research</i> , 1999, 67, 258-266.	2.3	66
26	Extracellular Matrix Proteins in Cardiac Fibroblasts Derived from Rat Hearts with Chronic Pressure Overload: Effects of Beta-receptor Blockade. <i>Journal of Molecular and Cellular Cardiology</i> , 2001, 33, 487-501.	1.9	65
27	Impaired Hyperpolarization in Regenerated Endothelium After Balloon Catheter Injury. <i>Circulation Research</i> , 2001, 89, 174-179.	4.5	61
28	Quantification of renin mRNA in various mouse tissues by a novel solution hybridization assay. <i>Journal of Hypertension</i> , 1988, 6, 247-252.	0.5	60
29	Developmental Effects of Prenatal Exposure to Bisphenol A on the Uterus of Rat Offspring. <i>Neoplasia</i> , 2004, 6, 584-594.	5.3	60
30	Overexpression of the human angiotensin II type 1 receptor in the rat heart augments load induced cardiac hypertrophy. <i>Journal of Molecular Medicine</i> , 2001, 79, 601-608.	3.9	57
31	Effects of basic fibroblast growth factor on endothelial cells under conditions of simulated microgravity. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 1324-1341.	2.6	57
32	Angiotensin II Stimulates Proliferation of Primary Human Keratinocytes via a Non-AT1, Non-AT2 Angiotensin Receptor. <i>Biochemical and Biophysical Research Communications</i> , 1996, 229, 329-333.	2.1	53
33	Differential binding of transcription factor E2F-2 to the endothelin-converting enzyme-1b promoter affects blood pressure regulation. <i>Human Molecular Genetics</i> , 2003, 12, 423-433.	2.9	53
34	Early onset of chondroitin sulfate and osteopontin expression in angiotensin II-dependent left ventricular hypertrophy. <i>American Journal of Hypertension</i> , 2002, 15, 644-652.	2.0	52
35	NO and Oxyradical Metabolism in New Cell Lines of Rat Brain Capillary Endothelial Cells Forming the Blood-Brain Barrier. <i>Microvascular Research</i> , 2001, 62, 114-127.	2.5	49
36	Bergmann glial cells in situ express endothelinB receptors linked to cytoplasmic calcium signals. <i>Cell Calcium</i> , 1997, 21, 409-419.	2.4	46

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37	Cardiovascular end-organ damage in Ren-2 transgenic rats compared to spontaneously hypertensive rats. <i>Journal of Molecular Medicine</i> , 1997, 75, 371-377.	3.9	46
38	Renal Endothelin ET <sub>A</sub> /ET <sub>B</sub> Receptor Imbalance Differentiates Salt-Sensitive From Salt-Resistant Spontaneous Hypertension. <i>Hypertension</i> , 2001, 37, 275-280.	2.7	46
39	Acute blood pressure effects of YC-1-induced activation of soluble guanylyl cyclase in normotensive and hypertensive rats. <i>British Journal of Pharmacology</i> , 2000, 130, 205-208.	5.4	45
40	Low doses of 2,3,7,8-tetrachlorodibenzo- p -dioxin increase transforming growth factor $\beta^2$ and cause myocardial fibrosis in marmosets ( <i>Callithrix jacchus</i> ). <i>Archives of Toxicology</i> , 2002, 76, 360-366.	4.2	45
41	Increase of fibronectin and osteopontin in porcine hearts following ischemia and reperfusion. <i>Journal of Molecular Medicine</i> , 2005, 83, 626-637.	3.9	45
42	Cardiac Endothelin System Impairs Left Ventricular Function in Renin-Dependent Hypertension via Decreased Sarcoplasmic Reticulum Ca <sup>2+</sup> Uptake. <i>Circulation</i> , 2000, 102, 1582-1588.	1.6	42
43	Androgen dependence and tissue specificity of renin messenger RNA expression in mice. <i>Journal of Hypertension</i> , 1990, 8, 45-52.	0.5	41
44	Expression of vascular endothelial growth factor and receptor tyrosine kinases in cardiac ischemia/reperfusion injury. <i>Cardiovascular Pathology</i> , 2007, 16, 291-299.	1.6	40
45	Vascular Endothelial Growth Factor Induces Extracellular Matrix Proteins and Osteopontin in the Umbilical Artery. <i>Annals of Vascular Surgery</i> , 2008, 22, 273-284.	0.9	40
46	Cardiac Norepinephrine, $\alpha$ -Adrenoceptors, and $\text{G}\beta\gamma$ -Proteins in Prehypertensive and Hypertensive Spontaneously Hypertensive Rats. <i>Journal of Cardiovascular Pharmacology</i> , 1994, 23, 980-987.	1.9	39
47	Contractile Systolic and Diastolic Dysfunction in Renin-Induced Hypertensive Cardiomyopathy. <i>Hypertension</i> , 1997, 30, 383-391.	2.7	39
48	ENDOTHELIN-1-LIKE IMMUNOREACTIVITY IN HUMAN ATHEROSCLEROTIC CORONARY TISSUE:A DETAILED ANALYSIS OF THE CELLULAR DISTRIBUTION OF ENDOTHELIN-1. , 1996, 179, 303-308.		38
49	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. <i>Circulation Research</i> , 2005, 97, 1253-1261.	4.5	38
50	Characterization and Functional Analysis of the Rat Endothelin-1 Promoter. <i>Hypertension</i> , 1995, 25, 683-687.	2.7	38
51	Inhibition of left ventricular fibrosis by tranilast in rats with renovascular hypertension. <i>Journal of Hypertension</i> , 2002, 20, 745-751.	0.5	37
52	Characterization of Polymorphic Structure of Cathepsin G Gene. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1538-1543.	2.4	33
53	Nitric oxide in the human hair follicle: constitutive and dihydrotestosterone-induced nitric oxide synthase expression and NO production in dermal papilla cells. <i>Journal of Molecular Medicine</i> , 2003, 81, 110-117.	3.9	33
54	Tissue Renin- $\beta$ Angiotensin Systems. <i>Journal of Cardiovascular Pharmacology</i> , 1991, 18, S20-S25.	1.9	32

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55	Influence of sustained mechanical stress on Egr-1 mRNA expression in cultured human endothelial cells. <i>Molecular and Cellular Biochemistry</i> , 2000, 210, 101-108.	3.1	31
56	Over-expression of angiotensin converting enzyme-1 augments cardiac hypertrophy in transgenic rats. <i>Human Molecular Genetics</i> , 2004, 13, 1441-1450.	2.9	31
57	Transcriptional control of deformation-induced preproendothelin-1 gene expression in endothelial cells. <i>Journal of Molecular Medicine</i> , 2000, 78, 441-450.	3.9	30
58	Dissociation of blood pressure reduction from end-organ damage in TGR(mREN2)27 transgenic hypertensive rats. <i>Journal of Hypertension</i> , 1998, 16, 1759-1765.	0.5	29
59	Ca <sup>2+</sup> /cAMP Mediate Differentiation of Vascular Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 19540-19547.	3.4	28
60	Regulation of the major isoform of human endothelin-converting enzyme-1 by a strong housekeeping promoter modulated by polymorphic microsatellites. <i>Journal of Hypertension</i> , 2003, 21, 2111-2124.	0.5	28
61	Intraluminal Application of Vascular Endothelial Growth Factor Enhances Healing of Microvascular Anastomosis in a Rat Model. <i>Journal of Vascular Research</i> , 2005, 42, 202-213.	1.4	28
62	Dose-Dependent Dissociation of ACE-Inhibitor Effects on Blood Pressure, Cardiac Hypertrophy, and $\beta_2$ -Adrenergic Signal Transduction. <i>Circulation</i> , 1995, 92, 3006-3013.	1.6	28
63	Improvement of defective sarcoplasmic reticulum Ca <sup>2+</sup> transport in diabetic heart of transgenic rats expressing the human kallikrein $\alpha_1$ gene. <i>FASEB Journal</i> , 2004, 18, 1967-1969.	0.5	27
64	The cardiac endothelin system in established pressure overload left ventricular hypertrophy. <i>Journal of Molecular Medicine</i> , 1999, 77, 623-630.	3.9	26
65	ERK1/2-Dependent Contractile Protein Expression in Vascular Smooth Muscle Cells. <i>Hypertension</i> , 2003, 41, 546-552.	2.7	26
66	Effects of quinapril, losartan and hydralazine on cardiac hypertrophy and $\beta_2$ -adrenergic neuroeffector mechanisms in transgenic (mREN2)27 rats. <i>British Journal of Pharmacology</i> , 1998, 123, 405-412.	5.4	25
67	Localization of renin (EC 3.4.23) and converting enzyme (EC 3.4.15.1) in nerve endings of rat brain. <i>Brain Research</i> , 1985, 334, 315-324.	2.2	23
68	Renal damage is not improved by blockade of endothelin receptors in primary renin-dependent hypertension. <i>Journal of Hypertension</i> , 2003, 21, 2389-2397.	0.5	19
69	Inverse regulation of preproendothelin-1 and endothelin-converting enzyme-1 $\beta_2$ genes in cardiac cells by mechanical load. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 290, R1639-R1645.	1.8	19
70	Early Induction of Angiotensin Converting Enzyme in Rat Carotid Artery After Balloon Injury. <i>Hypertension</i> , 1997, 30, 272-277.	2.7	19
71	Transgenic rats expressing the human ET-2 gene: a model for the study of endothelin actions in vivo. <i>Journal of Molecular Medicine</i> , 1999, 77, 565-574.	3.9	18
72	Single-Cell Characterization of Endothelin System Gene Expression in the Cerebellum In Situ. <i>Journal of Cardiovascular Pharmacology</i> , 1998, 31, S364-S366.	1.9	17

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73	The TGR(mRen2)27 transgenic rat model of hypertension. <i>Regulatory Peptides</i> , 1998, 77, 3-8.	1.9	16
74	Transgenic animal models for the analysis of the renal endothelin system. <i>Nephrology Dialysis Transplantation</i> , 2000, 15, 935-937.	0.7	16
75	The role of endothelin in hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , 1998, 7, 451-456.	2.0	15
76	Effects of angiotensin II subtype 1 receptor blockade on cardiac fibrosis and sarcoplasmic reticulum Ca <sup>2+</sup> handling in hypertensive transgenic rats overexpressing the Ren2 gene. <i>Journal of Hypertension</i> , 2001, 19, 1465-1472.	0.5	15
77	Nitric oxide synthase isoform expression in acute versus chronic anti-Thy 1 nephritis. <i>Kidney International</i> , 2002, 61, 826-833.	5.2	15
78	Species-specific splicing and expression of angiotensin converting enzyme. <i>Biochemical Pharmacology</i> , 2003, 66, 1037-1044.	4.4	12
79	Transgenic Models for the Study of Endothelin Function in the Cardiovascular System. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 35, S13-S16.	1.9	10
80	Hypoxia reverses dibutyryl cAMP-induced stellation of cultured astrocytes via activation of the endothelin system. <i>FASEB Journal</i> , 2001, 15, 1227-1229.	0.5	9
81	±-Adrenergic Signal Transduction in Renin Transgenic Rats. <i>Hypertension</i> , 1997, 30, 1356-1361.	2.7	8
82	Differential Development of Early Hypertension in Heterozygous Transgenic TGR(mREN2)27 Rats. <i>Clinical and Experimental Hypertension</i> , 1998, 20, 273-282.	1.3	7
83	Endothelin Converting-Enzyme-1 mRNA Expression in Human Cardiovascular Disease. <i>Clinical and Experimental Hypertension</i> , 1998, 20, 417-437.	1.3	6
84	Functional Effects of Acute Coronary Occlusion and Catecholergic Stimuli on the Isolated Normothermic Hemoperfused Porcine Heart. <i>Clinical and Experimental Hypertension</i> , 2003, 25, 235-255.	1.3	4
85	Transgenic animal models for hypertension research. <i>Trends in Cardiovascular Medicine</i> , 1995, 5, 108-114.	4.9	3
86	Cloning and functional characterization of the bovine endothelin-converting enzyme-1a promoter. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1999, 1446, 352-358.	2.4	2
87	Apoptosis in cardiac disease: from basics to clinics—an editorial commentary. <i>Cardiovascular Drugs and Therapy</i> , 2001, 15, 553-554.	2.6	2
88	El factor de crecimiento endotelial vascular induce proteínas de matriz extracelular y osteopontina en la arteria umbilical. <i>Annals of Vascular Surgery</i> , 2008, 22, 296-308.	0.0	0
89	Le facteur de croissance vasculaire endothéliale induit les protéines de la matrice extracellulaire et l'ostéopontine dans l'artère ombilicale. <i>Annales De Chirurgie Vasculaire</i> , 2008, 22, 296-308.	0.0	0
90	Influence of Transgenic Expression of Sarcoplasmic Reticulum Ca <sup>2+</sup> ATPase on Reticular Ca <sup>2+</sup> Transport in Rat Hearts. <i>Progress in Experimental Cardiology</i> , 2003, , 401-415.	0.0	0

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91	The Human Renin-Angiotensin System in Transgenic Rats â€” New Tools for Antihypertensive Therapy. , 1993, , 1-23.		0
92	Bedeutung peptiderger Systeme bei der Genese kardiovaskulärer Erkrankungen. , 1998, , 372-400.		0
93	Arterieller Hypertonus und das Renin-Angiotensin-System â€” genetische und transgene Studien. , 1999, , 1-10.		0
94	Healing By Gene Therapy â€” Hype or Hope?. International Library of Ethics, Law, and the New Medicine, 2009, , 127-141.	0.5	0