

# Dennis Bruemmer

## List of Publications by Year in descending order

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74  
papers

5,315  
citations

87888

38  
h-index

82547

72  
g-index

74  
all docs

74  
docs citations

74  
times ranked

7774  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new glucagon and GLP-1 co-agonist eliminates obesity in rodents. <i>Nature Chemical Biology</i> , 2009, 5, 749-757.	8.0	512
2	Unimolecular Dual Incretins Maximize Metabolic Benefits in Rodents, Monkeys, and Humans. <i>Science Translational Medicine</i> , 2013, 5, 209ra151.	12.4	461
3	Osteopontin mediates obesity-induced adipose tissue macrophage infiltration and insulin resistance in mice. <i>Journal of Clinical Investigation</i> , 2007, 117, 2877-2888.	8.2	319
4	Osteopontin: A novel regulator at the cross roads of inflammation, obesity and diabetes. <i>Molecular Metabolism</i> , 2014, 3, 384-393.	6.5	315
5	Angiotensin II "accelerated atherosclerosis and aneurysm formation is attenuated in osteopontin-deficient mice. <i>Journal of Clinical Investigation</i> , 2003, 112, 1318-1331.	8.2	241
6	NR4A Orphan Nuclear Receptors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1535-1541.	2.4	205
7	Intensive glycemic control and cardiovascular disease: an update. <i>Nature Reviews Cardiology</i> , 2010, 7, 369-375.	13.7	149
8	Peroxisome Proliferator-Activated Receptor $\beta$ : Implications for Cardiovascular Disease. <i>Hypertension</i> , 2004, 43, 297-305.	2.7	134
9	C-Reactive Protein Induces Apoptosis in Human Coronary Vascular Smooth Muscle Cells. <i>Circulation</i> , 2004, 110, 579-587.	1.6	128
10	Osteopontin modulates angiotensin II- induced fibrosis in the intact murine heart. <i>Journal of the American College of Cardiology</i> , 2004, 43, 1698-1705.	2.8	124
11	Epigenetic Regulation of Vascular Smooth Muscle Cell Proliferation and Neointima Formation by Histone Deacetylase Inhibition. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 851-860.	2.4	117
12	The NR4A Orphan Nuclear Receptor NOR1 Is Induced by Platelet-derived Growth Factor and Mediates Vascular Smooth Muscle Cell Proliferation. <i>Journal of Biological Chemistry</i> , 2006, 281, 33467-33476.	3.4	115
13	PGE2 is generated by specific COX-2 activity and increases VEGF production in COX-2-expressing human pancreatic cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 887-897.	2.1	112
14	Inhibitory Activity of Clinical Thiazolidinedione Peroxisome Proliferator Activating Receptor- $\beta$ Ligands Toward Internal Mammary Artery, Radial Artery, and Saphenous Vein Smooth Muscle Cell Proliferation. <i>Circulation</i> , 2003, 107, 2548-2550.	1.6	94
15	Liver X Receptor Agonists Inhibit Cytokine-Induced Osteopontin Expression in Macrophages Through Interference With Activator Protein-1 Signaling Pathways. <i>Circulation Research</i> , 2005, 96, e59-67.	4.5	91
16	Regulation of the Growth Arrest and DNA Damage-Inducible Gene 45 (GADD45) by Peroxisome Proliferator-Activated Receptor $\beta$ in Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2003, 93, e38-47.	4.5	86
17	Liver X Receptor Agonists Suppress Vascular Smooth Muscle Cell Proliferation and Inhibit Neointima Formation in Balloon-Injured Rat Carotid Arteries. <i>Circulation Research</i> , 2004, 95, e110-23.	4.5	85
18	Confirmatory Tests for the Diagnosis of Primary Aldosteronism. <i>Hypertension</i> , 2018, 71, 118-124.	2.7	84

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19	Signaling pathways involved in induction of GADD45 gene expression and apoptosis by troglitazone in human MCF-7 breast carcinoma cells. <i>Oncogene</i> , 2004, 23, 4614-4623.	5.9	82
20	Telomerase Activation in Atherosclerosis and Induction of Telomerase Reverse Transcriptase Expression by Inflammatory Stimuli in Macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 245-252.	2.4	80
21	Deficiency of the NR4A Orphan Nuclear Receptor NOR1 Decreases Monocyte Adhesion and Atherosclerosis. <i>Circulation Research</i> , 2010, 107, 501-511.	4.5	79
22	Oxidative Stress Accumulates in Adipose Tissue during Aging and Inhibits Adipogenesis. <i>PLoS ONE</i> , 2011, 6, e18532.	2.5	77
23	Deficiency of the NR4A Neuron-Derived Orphan Receptor-1 Attenuates Neointima Formation After Vascular Injury. <i>Circulation</i> , 2009, 119, 577-586.	1.6	73
24	Pioglitazone-Induced Reductions in Atherosclerosis Occur via Smooth Muscle Cell-Specific Interaction With PPAR $\beta$ . <i>Circulation Research</i> , 2010, 107, 953-958.	4.5	72
25	Activation of Peroxisome Proliferator-Activated Receptor $\beta$ Suppresses Telomerase Activity in Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2006, 98, e50-9.	4.5	69
26	Increased expression of renal neutral endopeptidase in severe heart failure. <i>Life Sciences</i> , 2002, 71, 2701-2712.	4.3	65
27	PPAR $\alpha$ Agonists Suppress Osteopontin Expression in Macrophages and Decrease Plasma Levels in Patients With Type 2 Diabetes. <i>Diabetes</i> , 2007, 56, 1662-1670.	0.6	65
28	Egr-1 is a Major Vascular Pathogenic Transcription Factor in Atherosclerosis and Restenosis. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2004, 5, 249-254.	5.7	64
29	PPAR $\delta$ Inhibits TGF- $\beta$ -Induced $\beta$ 5 Integrin Transcription in Vascular Smooth Muscle Cells by Interacting With Smad4. <i>Circulation Research</i> , 2002, 91, e35-44.	4.5	62
30	Novel Mechanisms of Abdominal Aortic Aneurysms. <i>Current Atherosclerosis Reports</i> , 2012, 14, 402-412.	4.8	62
31	The PPAR $\delta$ /p16 <sup>INK4a</sup> Pathway Inhibits Vascular Smooth Muscle Cell Proliferation by Repressing Cell Cycle-Dependent Telomerase Activation. <i>Circulation Research</i> , 2008, 103, 1155-1163.	4.5	61
32	Transient Exposure of Neonatal Female Mice to Testosterone Abrogates the Sexual Dimorphism of Abdominal Aortic Aneurysms. <i>Circulation Research</i> , 2012, 110, e73-85.	4.5	60
33	Mechanisms of Trained Innate Immunity in oxLDL Primed Human Coronary Smooth Muscle Cells. <i>Frontiers in Immunology</i> , 2019, 10, 13.	4.8	56
34	Expression of CD40 in vascular smooth muscle cells and macrophages is associated with early development of human atherosclerotic lesions. <i>American Journal of Cardiology</i> , 2001, 87, 21-27.	1.6	53
35	Activation of Liver X Receptor Inhibits Osteopontin and Ameliorates Diabetic Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 1835-1846.	6.1	49
36	Relevance of angiotensin II-induced aortic pathologies in mice to human aortic aneurysms. <i>Annals of the New York Academy of Sciences</i> , 2011, 1245, 7-10.	3.8	48

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37	Angiotensin II induces peroxisome proliferator-activated receptor gamma in PC12W cells via angiotensin type 2 receptor activation. <i>Journal of Neurochemistry</i> , 2005, 94, 1395-1401.	3.9	42
38	Osteopontin deficiency protects mice from dextran sodium sulfate-induced colitis. <i>Inflammatory Bowel Diseases</i> , 2006, 12, 790-796.	1.9	40
39	Group X Secretory Phospholipase A <sub>2</sub> Negatively Regulates ABCA1 and ABCG1 Expression and Cholesterol Efflux in Macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 2014-2021.	2.4	38
40	Transcriptional Repression of ATP-Binding Cassette Transporter A1 Gene in Macrophages. <i>Circulation Research</i> , 2005, 97, e88-96.	4.5	34
41	Liver X receptors as therapeutic targets in metabolism and atherosclerosis. <i>Current Atherosclerosis Reports</i> , 2008, 10, 88-95.	4.8	33
42	Peroxisome Proliferator-Activated Receptor $\delta$ Inhibits Expression of Minichromosome Maintenance Proteins in Vascular Smooth Muscle Cells. <i>Molecular Endocrinology</i> , 2003, 17, 1005-1018.	3.7	32
43	Zinc Deficiency Alters Lipid Metabolism in LDL Receptor-Deficient Mice Treated with Rosiglitazone. <i>Journal of Nutrition</i> , 2007, 137, 2339-2345.	2.9	32
44	Regulation of Peroxisome Proliferator-Activated Receptor- $\delta$ by Angiotensin II Via Transforming Growth Factor- $\beta$ 1-Activated p38 Mitogen-Activated Protein Kinase in Aortic Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 397-405.	2.4	30
45	PDE4 inhibition reduces neointima formation and inhibits VCAM-1 expression and histone methylation in an Epac-dependent manner. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 81, 23-33.	1.9	29
46	NR4A orphan nuclear receptors in cardiovascular biology. <i>Drug Discovery Today Disease Mechanisms</i> , 2009, 6, e43-e48.	0.8	27
47	Transcriptional Regulation of S Phase Kinase-associated Protein 2 by NR4A Orphan Nuclear Receptor NOR1 in Vascular Smooth Muscle Cells*. <i>Journal of Biological Chemistry</i> , 2011, 286, 35485-35493.	3.4	27
48	Deficiency of the NR4A Orphan Nuclear Receptor NOR1 in Hematopoietic Stem Cells Accelerates Atherosclerosis. <i>Stem Cells</i> , 2014, 32, 2419-2429.	3.2	27
49	Telomerase Deficiency Predisposes to Heart Failure and Ischemia-Reperfusion Injury. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 31.	2.4	26
50	DNA-dependent protein kinase (DNA-PK) permits vascular smooth muscle cell proliferation through phosphorylation of the orphan nuclear receptor NOR1. <i>Cardiovascular Research</i> , 2015, 106, 488-497.	3.8	25
51	Deficiency of telomerase activity aggravates the blood-brain barrier disruption and neuroinflammatory responses in a model of experimental stroke. <i>Journal of Neuroscience Research</i> , 2010, 88, 2859-2868.	2.9	24
52	TNF $\alpha$ Inhibits Insulin's Antiapoptotic Signaling in Vascular Smooth Muscle Cells. <i>Biochemical and Biophysical Research Communications</i> , 2001, 287, 662-670.	2.1	22
53	TGF- $\beta$ 1 induces peroxisome proliferator-activated receptor $\delta$ 1 and $\delta$ 2 expression in human THP-1 monocytes. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 794-799.	2.1	22
54	Rapamycin inhibits E2F-dependent expression of minichromosome maintenance proteins in vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 303, 251-258.	2.1	21

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55	Liver X Receptors: Potential Novel Targets in Cardiovascular Diseases. <i>Current Drug Targets Cardiovascular &amp; Haematological Disorders</i> , 2005, 5, 533-540.	2.0	20
56	Telomerase Deficiency in Bone Marrow-Derived Cells Attenuates Angiotensin II-Induced Abdominal Aortic Aneurysm Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 253-260.	2.4	20
57	Expression of minichromosome maintenance proteins in vascular smooth muscle cells is ERK/MAPK dependent. <i>Experimental Cell Research</i> , 2003, 290, 28-37.	2.6	19
58	Nuclear Receptor 4a3 (Nr4a3) Regulates Murine Mast Cell Responses and Granule Content. <i>PLoS ONE</i> , 2014, 9, e89311.	2.5	17
59	p38 MAP kinase negatively regulates angiotensin II-mediated effects on cell cycle molecules in human coronary smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 305, 552-556.	2.1	16
60	C-Peptide in Insulin Resistance and Vascular Complications. <i>Circulation Research</i> , 2006, 99, 1149-1151.	4.5	14
61	Telomerase Reverse Transcriptase Deficiency Prevents Neointima Formation Through Chromatin Silencing of E2F1 Target Genes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 301-311.	2.4	14
62	Prevention and management of cardiovascular disease in patients with diabetes: current challenges and opportunities. <i>Cardiovascular Endocrinology and Metabolism</i> , 2020, 9, 81-89.	1.1	14
63	Differential Regulation of Telomerase Reverse Transcriptase Promoter Activation and Protein Degradation by Histone Deacetylase Inhibition. <i>Journal of Cellular Physiology</i> , 2016, 231, 1276-1282.	4.1	12
64	Deletion of the NR4A nuclear receptor NOR1 in hematopoietic stem cells reduces inflammation but not abdominal aortic aneurysm formation. <i>BMC Cardiovascular Disorders</i> , 2017, 17, 271.	1.7	12
65	Race-ethnicity as an effect modifier of the association between HbA1c and mortality in U.S. adults without diagnosed diabetes. <i>European Journal of Endocrinology</i> , 2011, 165, 275-281.	3.7	11
66	Targeting Angiogenesis as Treatment for Obesity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 161-162.	2.4	10
67	Epigenetic regulation of the NR4A orphan nuclear receptor NOR1 by histone acetylation. <i>FEBS Letters</i> , 2014, 588, 4825-4830.	2.8	10
68	Will the potential of peroxisome proliferator-activated receptor agonists be realized in the clinical setting?. <i>Clinical Cardiology</i> , 2004, 27, 3-10.	1.8	9
69	Phosphorylated Troglitazone Activates PPAR $\beta$ and Inhibits Vascular Smooth Muscle Cell Proliferation and Proteoglycan Synthesis. <i>Journal of Cardiovascular Pharmacology</i> , 2008, 51, 274-279.	1.9	9
70	Ghrelin receptor deficiency does not affect diet-induced atherosclerosis in low-density lipoprotein receptor-null mice. <i>Frontiers in Endocrinology</i> , 2011, 2, 67.	3.5	8
71	Telomerase Inhibition by Everolimus Suppresses Smooth Muscle Cell Proliferation and Neointima Formation Through Epigenetic Gene Silencing. <i>JACC Basic To Translational Science</i> , 2016, 1, 49-60.	4.1	8
72	Remnant Cholesterol. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e012615.	2.6	7

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73	Vascular smooth muscle cell dysfunction in diabetes: nuclear receptors channel to relaxation. <i>Clinical Science</i> , 2016, 130, 1837-1839.	4.3	5
74	PPAR $\alpha$ signalling and vascular cells in 2003. <i>International Congress Series</i> , 2004, 1262, 143-146.	0.2	0