

# Sarah George

## List of Publications by Year in descending order

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Version: 2024-02-01

98  
papers

5,189  
citations

76196

40  
h-index

85405

71  
g-index

103  
all docs

103  
docs citations

103  
times ranked

5285  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large animal model of vein grafts intimal hyperplasia: A systematic review. <i>Perfusion (United Kingdom)</i> , 2023, 38, 894-930.	0.5	5
2	Nrf2-Keap-1 imbalance under acute shear stress induces inflammatory response in venous endothelial cells. <i>Perfusion (United Kingdom)</i> , 2022, 37, 582-589.	0.5	7
3	Monitoring Cellular and in Plaques and. <i>Methods in Molecular Biology</i> , 2022, 2419, 507-519.	0.4	0
4	Investigation of Atherosclerotic Plaque Vulnerability. <i>Methods in Molecular Biology</i> , 2022, 2419, 521-535.	0.4	1
5	Monitoring Cellular Proliferation, Migration, and Apoptosis Associated with Atherosclerosis Plaques In Vitro. <i>Methods in Molecular Biology</i> , 2022, 2419, 133-167.	0.4	3
6	Use of Mouse Carotid Model of Intimal to Probe Vascular Smooth Muscle Remodeling and Function in. <i>Methods in Molecular Biology</i> , 2022, 2419, 537-560.	0.4	1
7	Next-Generation and Single-Cell Sequencing Approaches to Study Atherosclerosis and Vascular Inflammation Pathophysiology: A Systematic Review. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 849675.	1.1	5
8	Therapeutic potential of inhibiting mitochondrial fission to reduce abdominal aortic aneurysms. <i>Cardiovascular Research</i> , 2021, 117, 658-660.	1.8	0
9	Aneurysm severity is suppressed by deletion of CCN4. <i>Journal of Cell Communication and Signaling</i> , 2021, 15, 421-432.	1.8	5
10	Effective decellularisation of human saphenous veins for biocompatible arterial tissue engineering applications: Bench optimisation and feasibility in vivo testing. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142098752.	2.3	5
11	Disparate effects of MMP and TIMP modulation on coronary atherosclerosis and associated myocardial fibrosis. <i>Scientific Reports</i> , 2021, 11, 23081.	1.6	22
12	NF- $\kappa$ B inhibition prevents acute shear stress-induced inflammation in the saphenous vein graft endothelium. <i>Scientific Reports</i> , 2020, 10, 15133.	1.6	24
13	A Protocol for a Novel Human Ex Vivo Model of Aneurysm. <i>STAR Protocols</i> , 2020, 1, 100108.	0.5	1
14	Saphenous vein graft disease, pathophysiology, prevention, and treatment. A review of the literature. <i>Journal of Cardiac Surgery</i> , 2020, 35, 1314-1321.	0.3	22
15	Galectin-3 Identifies a Subset of Macrophages With a Potential Beneficial Role in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 1491-1509.	1.1	49
16	Nonautologous Grafts in Coronary Artery Bypass Surgery: A Systematic Review. <i>Annals of Thoracic Surgery</i> , 2020, 112, 2094-2103.	0.7	2
17	Ageing differentially modulates the Wnt pro-survival signalling pathways in vascular smooth muscle cells. <i>Ageing Cell</i> , 2019, 18, e12844.	3.0	23
18	The Human-Specific and Smooth Muscle Cell-Enriched LncRNA SMILR Promotes Proliferation by Regulating Mitotic CENPF mRNA and Drives Cell-Cycle Progression Which Can Be Targeted to Limit Vascular Remodeling. <i>Circulation Research</i> , 2019, 125, 535-551.	2.0	100

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19	Adipose tissue-derived WNT5A regulates vascular redox signaling in obesity via USP17/RAC1-mediated activation of NADPH oxidases. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	54
20	BS26-Generation of a tissue engineered conduit from human saphenous vein and porcine blood outgrowth endothelial cells. , 2019, , .		1
21	P5000Wnt/b-catenin signalling drives angiotensin II induced cardiac fibrosis via WISP-1. <i>European Heart Journal</i> , 2019, 40, .	1.0	1
22	The cardiac proteome in patients with congenital ventricular septal defect: A comparative study between right atria and right ventricles. <i>Journal of Proteomics</i> , 2019, 191, 107-113.	1.2	7
23	Lung Function, Inflammation, and Endothelin-1 in Congenital Heart Disease-Associated Pulmonary Arterial Hypertension. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	17
24	Changes in contractile protein expression are linked to ventricular stiffness in infants with pulmonary hypertension or right ventricular hypertrophy due to congenital heart disease. <i>Open Heart</i> , 2018, 5, e000716.	0.9	15
25	Role of smooth muscle cells in coronary artery bypass grafting failure. <i>Cardiovascular Research</i> , 2018, 114, 601-610.	1.8	63
26	Carotid artery ligation induced intimal thickening and proliferation is unaffected by ageing. <i>Journal of Cell Communication and Signaling</i> , 2018, 12, 529-537.	1.8	8
27	O3-MMP12 INHIBITION PROTECTS AGAINST ABDOMINAL AORTIC ANEURYSM PROGRESSION. <i>Cardiovascular Research</i> , 2018, 114, S1-S1.	1.8	0
28	Phosphorylation of PRH/HHEX by Protein Kinase CK2 Regulates Cell Proliferation and Cell Migration in Diverse Cell Types. , 2018, , .		0
29	P2-PRO- AND ANTI-INFLAMMATORY MACROPHAGES DISPLAY DIVERGENT POLARISATION TOWARDS VASCULAR SMOOTH MUSCLE-LIKE AND ENDOTHELIAL-LIKE PHENOTYPES. <i>Cardiovascular Research</i> , 2018, 114, S7-S8.	1.8	0
30	P2-VALIDATION OF A NOVEL HUMAN EX-VIVO MODEL OF ANEURYSM TO SUPPLANT MOUSE MODELS. <i>Cardiovascular Research</i> , 2018, 114, S2-S2.	1.8	0
31	P3-MODULATION OF THE ACTIN CYTOSKELETON IN MACROPHAGE PHENOTYPES DIFFERENTIALLY AFFECTS THEIR BEHAVIOUR. <i>Cardiovascular Research</i> , 2018, 114, S2-S2.	1.8	0
32	28Development and characterisation of a human ex-vivo model of aneurysm. <i>Cardiovascular Research</i> , 2018, 114, S6-S7.	1.8	0
33	Targeting Wnt/ $\beta$ -Catenin Activated Cells with Dominant-Negative N-cadherin to Reduce Neointima Formation. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017, 5, 191-199.	1.8	13
34	Contribution of the classical NF- $\kappa$ B pathway to venous endothelial inflammation following acute increases in shear stress: Implications for vein graft failure. <i>Atherosclerosis</i> , 2017, 263, e135.	0.4	0
35	Activation and inflammation of the venous endothelium in vein graft disease. <i>Atherosclerosis</i> , 2017, 265, 266-274.	0.4	53
36	Inhibition of smooth muscle cell proliferation and intimal thickening with small peptide mimetics of soluble N-cadherin. <i>Atherosclerosis</i> , 2017, 263, e64-e65.	0.4	0

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37	Protein kinase CK2 inhibition suppresses neointima formation via a proline-rich homeodomain-dependent mechanism. <i>Vascular Pharmacology</i> , 2017, 99, 34-44.	1.0	10
38	Aneurysm Severity is Increased by Combined Mmp-7 Deletion and N-cadherin Mimetic (EC4-Fc) Over-Expression. <i>Scientific Reports</i> , 2017, 7, 17342.	1.6	13
39	MicroRNA-181b Controls Atherosclerosis and Aneurysms Through Regulation of TIMP-3 and Elastin. <i>Circulation Research</i> , 2017, 120, 49-65.	2.0	125
40	Evidence for the Involvement of Matrix-Degrading Metalloproteinases (MMPs) in Atherosclerosis. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 147, 197-237.	0.9	44
41	Hypoxic Pulmonary Vasoconstriction in Humans: Tale or Myth. <i>Open Cardiovascular Medicine Journal</i> , 2017, 11, 1-13.	0.6	19
42	Suppression of neointima formation by targeting $\beta$ -catenin/TCF pathway. <i>Bioscience Reports</i> , 2016, 36, .	1.1	9
43	Wnt2 and WISP-1/CCN4 Induce Intimal Thickening via Promotion of Smooth Muscle Cell Migration. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1417-1424.	1.1	47
44	Differential effects of tissue inhibitor of metalloproteinase (TIMP)-1 and TIMP-2 on atherosclerosis and monocyte/macrophage invasion. <i>Cardiovascular Research</i> , 2016, 109, 318-330.	1.8	44
45	Response to Weintraub and Garratt. <i>Circulation</i> , 2016, 133, 1826-1826.	1.6	0
46	Should Chronic Total Occlusion Be Treated With Coronary Artery Bypass Grafting?. <i>Circulation</i> , 2016, 133, 1807-1816.	1.6	14
47	Soluble N-cadherin: A novel inhibitor of VSMC proliferation and intimal thickening. <i>Vascular Pharmacology</i> , 2016, 78, 53-62.	1.0	8
48	Cellular and molecular basis of RV hypertrophy in congenital heart disease. <i>Heart</i> , 2016, 102, 12-17.	1.2	33
49	Abstract 17136: MicroRNA-181b Inhibition Stabilises Abdominal Aortic Aneurysms by Promoting Collagen Accumulation and Elastin Deposition. <i>Circulation</i> , 2015, 132, .	1.6	0
50	EC4, a truncation of soluble N-cadherin, reduces vascular smooth muscle cell apoptosis and markers of atherosclerotic plaque instability. <i>Molecular Therapy - Methods and Clinical Development</i> , 2014, 1, 14004.	1.8	5
51	Wnt5a-Induced Wnt1-Inducible Secreted Protein-1 Suppresses Vascular Smooth Muscle Cell Apoptosis Induced by Oxidative Stress. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2449-2456.	1.1	36
52	miRNA-21 is dysregulated in response to vein grafting in multiple models and genetic ablation in mice attenuates neointima formation. <i>European Heart Journal</i> , 2013, 34, 1636-1643.	1.0	61
53	Contractile, but not endothelial, dysfunction in early inflammatory arthritis: a possible role for matrix metalloproteinase-9. <i>British Journal of Pharmacology</i> , 2012, 167, 505-514.	2.7	19
54	Wnt signalling in smooth muscle cells and its role in cardiovascular disorders. <i>Cardiovascular Research</i> , 2012, 95, 233-240.	1.8	113

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55	Vein graft failure: current clinical practice and potential for gene therapeutics. <i>Gene Therapy</i> , 2012, 19, 630-636.	2.3	45
56	Metalloproteinases in atherosclerotic plaques – A matter of life or death. <i>Vascular Pharmacology</i> , 2012, 56, 336.	1.0	0
57	Extracellular Matrix and Smooth Muscle Cells. , 2012, , 435-460.		2
58	Wnt5a signalling promotes VSMC survival via WISP-1: consequences for VSMC viability in atherosclerotic plaques. <i>Heart</i> , 2011, 97, e7-e7.	1.2	4
59	Regulation of VSMC behavior by the cadherin-catenin complex. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 644.	3.0	29
60	The Wnt pathways in vascular disease. <i>Current Opinion in Lipidology</i> , 2011, 22, 350-357.	1.2	70
61	Prevention of post-cardiopulmonary bypass acute kidney injury by endothelin A receptor blockade*. <i>Critical Care Medicine</i> , 2011, 39, 793-802.	0.4	65
62	A Selective Matrix Metalloproteinase-12 Inhibitor Retards Atherosclerotic Plaque Development in Apolipoprotein E <sup>-/-</sup> Knockout Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 528-535.	1.1	144
63	Wnt4/ $\beta$ -Catenin Signaling Induces VSMC Proliferation and Is Associated With Intimal Thickening. <i>Circulation Research</i> , 2011, 108, 427-436.	2.0	140
64	Matrix Metalloproteinase (MMP)-3 Activates MMP-9 Mediated Vascular Smooth Muscle Cell Migration and Neointima Formation in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, e35-44.	1.1	122
65	Sustained Reduction of Vein Graft Neointima Formation by Ex Vivo TIMP-3 Gene Therapy. <i>Circulation</i> , 2011, 124, S135-42.	1.6	65
66	Tissue-engineered vascular graft remodeling in a growing lamb model: expression of matrix metalloproteinases. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 41, 167-72.	0.6	33
67	MMP-7 mediates cleavage of N-cadherin and promotes smooth muscle cell apoptosis. <i>Cardiovascular Research</i> , 2010, 87, 137-146.	1.8	90
68	Dysregulation of cadherins in the intercalated disc of the spontaneously hypertensive stroke-prone rat. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 1121-1128.	0.9	4
69	Increased expression of Wnt5A in unstable atherosclerotic plaques is associated with increased MMP expression and may contribute to instability. <i>Atherosclerosis</i> , 2010, 213, e12.	0.4	6
70	In Situ Zymography. <i>Methods in Molecular Biology</i> , 2010, 622, 271-277.	0.4	21
71	MMP-9 and -12 cause N-cadherin shedding and thereby $\beta$ -catenin signalling and vascular smooth muscle cell proliferation. <i>Cardiovascular Research</i> , 2009, 81, 178-186.	1.8	124
72	Soluble N-Cadherin Overexpression Reduces Features of Atherosclerotic Plaque Instability. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 195-201.	1.1	46

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73	Effect of broad-spectrum matrix metalloproteinase inhibition on atherosclerotic plaque stability. <i>Cardiovascular Research</i> , 2006, 71, 586-595.	1.8	70
74	Suppression of Atherosclerotic Plaque Progression and Instability by Tissue Inhibitor of Metalloproteinase-2. <i>Circulation</i> , 2006, 113, 2435-2444.	1.6	142
75	Regulation of Smooth Muscle Cell Proliferation by $\beta$ -Catenin/T-Cell Factor Signaling Involves Modulation of Cyclin D1 and p21 Expression. <i>Circulation Research</i> , 2006, 99, 1329-1337.	2.0	125
76	Plaque Rupture After Short Periods of Fat Feeding in the Apolipoprotein E <sup>-/-</sup> Knockout Mouse. <i>Circulation</i> , 2005, 111, 1422-1430.	1.6	235
77	Divergent effects of matrix metalloproteinases 3, 7, 9, and 12 on atherosclerotic plaque stability in mouse brachiocephalic arteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15575-15580.	3.3	308
78	Transforming Growth Factor- $\beta$ 2 Is Activated by Plasmin and Inhibits Smooth Muscle Cell Death in Human Saphenous Vein. <i>Journal of Vascular Research</i> , 2005, 42, 247-254.	0.6	25
79	N-Cadherin-Dependent Cell-Cell Contacts Promote Human Saphenous Vein Smooth Muscle Cell Survival. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 982-988.	1.1	64
80	R-Cadherin- $\beta$ -Catenin Complex and Its Association With Vascular Smooth Muscle Cell Proliferation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1204-1210.	1.1	77
81	Dismantling of Cadherin-Mediated Cell-Cell Contacts Modulates Smooth Muscle Cell Proliferation. <i>Circulation Research</i> , 2003, 92, 1314-1321.	2.0	129
82	Relationship between type IV collagen degradation, metalloproteinase activity and smooth muscle cell migration and proliferation in cultured human saphenous vein. <i>Cardiovascular Research</i> , 2003, 58, 679-688.	1.8	52
83	Gene Transfer to the Vasculature. <i>Molecular Biotechnology</i> , 2002, 22, 153-163.	1.3	5
84	Wild-type p53 gene transfer inhibits neointima formation in human saphenous vein by modulation of smooth muscle cell migration and induction of apoptosis. <i>Gene Therapy</i> , 2001, 8, 668-676.	2.3	80
85	Plasmin-Mediated Fibroblast Growth Factor-2 Mobilisation Supports Smooth Muscle Cell Proliferation in Human Saphenous Vein. <i>Journal of Vascular Research</i> , 2001, 38, 492-501.	0.6	34
86	Injury Induces Dedifferentiation of Smooth Muscle Cells and Increased Matrix-Degrading Metalloproteinase Activity in Human Saphenous Vein. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1146-1151.	1.1	90
87	Inhibition of Late Vein Graft Neointima Formation in Human and Porcine Models by Adenovirus-Mediated Overexpression of Tissue Inhibitor of Metalloproteinase-3. <i>Circulation</i> , 2000, 101, 296-304.	1.6	203
88	The association of platelet-derived growth factor receptor expression, plaque morphology and histological features with symptoms in carotid atherosclerosis. <i>Vascular</i> , 2000, 8, 121-129.	0.5	11
89	Gene transfer of tissue inhibitor of metalloproteinase-2 inhibits metalloproteinase activity and neointima formation in human saphenous veins. <i>Gene Therapy</i> , 1998, 5, 1552-1560.	2.3	144
90	External stenting reduces long-term medial and neointimal thickening and platelet derived growth factor expression in a pig model of arteriovenous bypass grafting. <i>Nature Medicine</i> , 1998, 4, 235-239.	15.2	145

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91	Adenovirus-Mediated Gene Transfer of the Human TIMP-1 Gene Inhibits Smooth Muscle Cell Migration and Neointimal Formation in Human Saphenous Vein. <i>Human Gene Therapy</i> , 1998, 9, 867-877.	1.4	201
92	Activation of Matrix-Degrading Metalloproteinases by Mast Cell Proteases in Atherosclerotic Plaques. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 1707-1715.	1.1	234
93	Tissue inhibitors of metalloproteinases and metalloproteinases in atherosclerosis. <i>Current Opinion in Lipidology</i> , 1998, 9, 413-423.	1.2	70
94	Divergent effects of tissue inhibitor of metalloproteinase-1, -2, or -3 overexpression on rat vascular smooth muscle cell invasion, proliferation, and death in vitro. TIMP-3 promotes apoptosis. <i>Journal of Clinical Investigation</i> , 1998, 101, 1478-1487.	3.9	416
95	Surgical preparative injury and neointima formation increase MMP-9 expression and MMP-2 activation in human saphenous vein. <i>Cardiovascular Research</i> , 1997, 33, 447-459.	1.8	116
96	Short-term Exposure to Thapsigargin Inhibits Neointima Formation in Human Saphenous Vein. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 2500-2506.	1.1	31
97	An essential role for platelet-derived growth factor in neointima formation in human saphenous vein in vitro. <i>Atherosclerosis</i> , 1996, 120, 227-240.	0.4	57
98	Neointimal fibrosis in vascular pathologies: role of growth factors and metalloproteinases in vascular smooth muscle proliferation. <i>Experimental Nephrology</i> , 1995, 3, 108-13.	0.4	8