

Martin K C Ng

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

3,173
citations

147726

31
h-index

161767

54
g-index

78
all docs

78
docs citations

78
times ranked

4745
citing authors

#	ARTICLE	IF	CITATIONS
1	Strikingly Different Angiogenic Properties of Endothelial Progenitor Cell Subpopulations. <i>Journal of the American College of Cardiology</i> , 2008, 51, 660-668.	1.2	320
2	A multilayered synthetic human elastin/polycaprolactone hybrid vascular graft with tailored mechanical properties. <i>Acta Biomaterialia</i> , 2011, 7, 295-303.	4.1	253
3	A sex-specific role for androgens in angiogenesis. <i>Journal of Experimental Medicine</i> , 2010, 207, 345-352.	4.2	140
4	Transcatheter Valve Repair for Patients With Mitral Regurgitation. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 1369-1378.	1.1	128
5	Covalent immobilisation of tropoelastin on a plasma deposited interface for enhancement of endothelialisation on metal surfaces. <i>Biomaterials</i> , 2009, 30, 1675-1681.	5.7	118
6	Tropoelastin: A versatile, bioactive assembly module. <i>Acta Biomaterialia</i> , 2014, 10, 1532-1541.	4.1	110
7	Cell therapies for therapeutic angiogenesis: back to the bench. <i>Vascular Medicine</i> , 2009, 14, 153-166.	0.8	104
8	Androgens Up-Regulate Atherosclerosis-Related Genes in Macrophages From Males But Not Females. <i>Journal of the American College of Cardiology</i> , 2003, 42, 1306-1313.	1.2	96
9	The immobilization of recombinant human tropoelastin on metals using a plasma-activated coating to improve the biocompatibility of coronary stents. <i>Biomaterials</i> , 2010, 31, 8332-8340.	5.7	96
10	Elastin as a Nonthrombogenic Biomaterial. <i>Tissue Engineering - Part B: Reviews</i> , 2011, 17, 93-99.	2.5	96
11	The Emerging Role of the Thioredoxin System in Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 2089-2098.	1.1	90
12	A Central Role for Nicotinic Cholinergic Regulation of Growth Factor-Induced Endothelial Cell Migration. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 106-112.	1.1	80
13	Prospective Study of Effect of Androgens on Serum Inflammatory Markers in Men. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 1136-1141.	1.1	69
14	1-Year Outcomes for Transcatheter Repair in Patients With Mitral Regurgitation From the CLASP Study. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 2344-2357.	1.1	68
15	Intracoronary shear-related up-regulation of platelet P-selectin and platelet-monocyte aggregation despite the use of aspirin and clopidogrel. <i>Blood</i> , 2011, 117, 11-20.	0.6	66
16	The Index of Microcirculatory Resistance Predicts Myocardial Infarction Related to Percutaneous Coronary Intervention. <i>Circulation: Cardiovascular Interventions</i> , 2012, 5, 515-522.	1.4	58
17	In vivo biocompatibility of a plasma-activated, coronary stent coating. <i>Biomaterials</i> , 2012, 33, 7984-7992.	5.7	57
18	A Critical Role for Thioredoxin-Interacting Protein in Diabetes-Related Impairment of Angiogenesis. <i>Diabetes</i> , 2014, 63, 675-687.	0.3	57

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19	HDL-C and HDL-C/ApoA-I Predict Long-Term Progression of Glycemia in Established Type 2 Diabetes. <i>Diabetes Care</i> , 2014, 37, 2351-2358.	4.3	50
20	High-density lipoproteins augment hypoxia-induced angiogenesis via regulation of post-translational modulation of hypoxia-inducible factor 1 α . <i>FASEB Journal</i> , 2014, 28, 206-217.	0.2	49
21	Multifunctional regulation of angiogenesis by high-density lipoproteins. <i>Cardiovascular Research</i> , 2014, 101, 145-154.	1.8	47
22	Integration of induced pluripotent stem cell-derived endothelial cells with polycaprolactone/gelatin-based electrospun scaffolds for enhanced therapeutic angiogenesis. <i>Stem Cell Research and Therapy</i> , 2018, 9, 70.	2.4	47
23	Prognostic Value of Coronary Microvascular Function Measured Immediately After Percutaneous Coronary Intervention in Stable Coronary Artery Disease. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e007889.	1.4	47
24	Extracorporeal Membrane Oxygenation for Very High-risk Transcatheter Aortic Valve Implantation. <i>Heart Lung and Circulation</i> , 2014, 23, 957-962.	0.2	44
25	Biocompatibility of Coronary Stents. <i>Materials</i> , 2014, 7, 769-786.	1.3	40
26	2-Year Outcomes for Transcatheter Repair in Patients With Mitral Regurgitation From the CLASP Study. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 1538-1548.	1.1	40
27	High-Density Lipoproteins Rescue Diabetes-Impaired Angiogenesis via Scavenger Receptor Class B Type I. <i>Diabetes</i> , 2016, 65, 3091-3103.	0.3	38
28	Physiological Predictors of Acute Coronary Syndromes. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 2539-2547.	1.1	38
29	Altered processing enhances the efficacy of small-diameter silk fibroin vascular grafts. <i>Scientific Reports</i> , 2019, 9, 17461.	1.6	38
30	The use of plasma-activated covalent attachment of early domains of tropoelastin to enhance vascular compatibility of surfaces. <i>Biomaterials</i> , 2013, 34, 7584-7591.	5.7	37
31	The role of high-density lipoproteins in the regulation of angiogenesis. <i>Cardiovascular Research</i> , 2015, 106, 184-193.	1.8	35
32	Dehydroepiandrosterone, an adrenal androgen, increases human foam cell formation. <i>Journal of the American College of Cardiology</i> , 2003, 42, 1967-1974.	1.2	33
33	A comparison of the pro-angiogenic potential of human induced pluripotent stem cell derived endothelial cells and induced endothelial cells in a murine model of peripheral arterial disease. <i>International Journal of Cardiology</i> , 2017, 234, 81-89.	0.8	33
34	Bioactive Materials Facilitating Targeted Local Modulation of Inflammation. <i>JACC Basic To Translational Science</i> , 2019, 4, 56-71.	1.9	33
35	New Perspectives on Mars and Venus: Unravelling the Role of Androgens in Gender Differences in Cardiovascular Biology and Disease. <i>Heart Lung and Circulation</i> , 2007, 16, 185-192.	0.2	30
36	Androgens, angiogenesis and cardiovascular regeneration. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2010, 17, 277-283.	1.2	28

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37	Effects of continuous positive airway pressure on endothelial function and circulating progenitor cells in obstructive sleep apnoea: A randomised sham-controlled study. <i>International Journal of Cardiology</i> , 2013, 168, 2042-2048.	0.8	27
38	Geriatric Cardiac Surgery: Chronology vs. Biology. <i>Heart Lung and Circulation</i> , 2014, 23, 794-801.	0.2	27
39	The relationship between coronary stenosis severity and compression type coronary artery movement in acute myocardial infarction. <i>American Heart Journal</i> , 2010, 159, 584-592.	1.2	24
40	Haemodynamic assessment of human coronary arteries is affected by degree of freedom of artery movement. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 260-272.	0.9	23
41	Fenofibrate Rescues Diabetes-Related Impairment of Ischemia-Mediated Angiogenesis by PPAR α -Independent Modulation of Thioredoxin-Interacting Protein. <i>Diabetes</i> , 2019, 68, 1040-1053.	0.3	22
42	Subclinical valve thrombosis in transcatheter aortic valve implantation: A systematic review and meta-analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, 1491-1499.e2.	0.4	20
43	Consensus document for invasive coronary physiologic assessment in Asia-Pacific countries. <i>Cardiology Journal</i> , 2019, 26, 215-225.	0.5	19
44	Where There's Smoke... Editorials published in the <i>Journal of the American College of Cardiology</i> reflect the views of the authors and do not necessarily represent the views of JACC or the American College of Cardiology. <i>Journal of the American College of Cardiology</i> , 2008, 51, 1772-1774.	1.2	18
45	Extracellular Matrix Molecules Facilitating Vascular Biointegration. <i>Journal of Functional Biomaterials</i> , 2012, 3, 569-587.	1.8	18
46	Is there a role for coronary angiography in the early detection of the vulnerable plaque?. <i>International Journal of Cardiology</i> , 2013, 164, 262-266.	0.8	18
47	Immobilisation of a fibrillin-1 fragment enhances the biocompatibility of PTFE. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 544-552.	2.5	17
48	Reconstituted high-density lipoproteins promote wound repair and blood flow recovery in response to ischemia in aged mice. <i>Lipids in Health and Disease</i> , 2016, 15, 150.	1.2	17
49	Non-invasive tracking of injected bone marrow mononuclear cells to injury and implanted biomaterials. <i>Acta Biomaterialia</i> , 2017, 53, 378-388.	4.1	17
50	The relationship between coronary artery distensibility and fractional flow reserve. <i>PLoS ONE</i> , 2017, 12, e0181824.	1.1	16
51	Exploring the Roles of CREBRF and TRIM2 in the Regulation of Angiogenesis by High-Density Lipoproteins. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1903.	1.8	16
52	Stability of a Therapeutic Layer of Immobilized Recombinant Human Tropoelastin on a Plasma-Activated Coated Surface. <i>Pharmaceutical Research</i> , 2011, 28, 1415-1421.	1.7	15
53	Characterization of Endothelial Progenitor Cell Interactions with Human Tropoelastin. <i>PLoS ONE</i> , 2015, 10, e0131101.	1.1	12
54	Immobilization of bioactive plasmin reduces the thrombogenicity of metal surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 944-954.	2.5	12

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55	Measurement of Pulmonary Flow Reserve and Pulmonary Index of Microcirculatory Resistance for Detection of Pulmonary Microvascular Obstruction. PLoS ONE, 2010, 5, e9601.	1.1	12
56	The Relationship between Endothelial Progenitor Cell Populations and Epicardial and Microvascular Coronary Disease—A Cellular, Angiographic and Physiologic Study. PLoS ONE, 2014, 9, e93980.	1.1	12
57	Silk Fibroin Scaffold Architecture Regulates Inflammatory Responses and Engraftment of Bone Marrow—Mononuclear Cells. Advanced Healthcare Materials, 2021, 10, e2100615.	3.9	10
58	P2/N95 filtering facepiece respirators: Results of a large-scale quantitative mask fit testing program in Australian health care workers. American Journal of Infection Control, 2022, 50, 509-515.	1.1	9
59	Transapical Aortic Valve Implantation—An Australian Experience. Heart Lung and Circulation, 2014, 23, 462-468.	0.2	8
60	Androgen Receptor-Mediated Genomic Androgen Action Augments Ischemia-Induced Neovascularization. Endocrinology, 2016, 157, 4853-4864.	1.4	8
61	The relationship between coronary lesion characteristics and pathologic shear in human coronary arteries. Clinical Biomechanics, 2018, 60, 177-184.	0.5	8
62	Androgens Ameliorate Impaired Ischemia-Induced Neovascularization Due to Aging in Male Mice. Endocrinology, 2019, 160, 1137-1149.	1.4	8
63	Iodide Mumps Complicating Coronary and Carotid Angiography. Heart Lung and Circulation, 2017, 26, e14-e15.	0.2	7
64	Androgens Stimulate EPC-Mediated Neovascularization and Are Associated with Increased Coronary Collateralization. Endocrinology, 2020, 161, .	1.4	6
65	Acute Coronary Syndromes (ACS)—Unravelling Biology to Identify New Therapies—The Microcirculation as a Frontier for New Therapies in ACS. Cells, 2021, 10, 2188.	1.8	6
66	Androgen action augments ischemia-induced, bone marrow progenitor cell-mediated vasculogenesis. International Journal of Biological Sciences, 2018, 14, 1985-1992.	2.6	5
67	Minimally-invasive versus transcatheter aortic valve implantation: systematic review with meta-analysis of propensity-matched studies. Journal of Thoracic Disease, 2021, 13, 1671-1683.	0.6	5
68	HDL as a Target for Glycemic Control. Current Drug Targets, 2017, 18, 651-673.	1.0	4
69	Performance and Safety of Transfemoral TAVI With SAPIEN XT in Australian Patients With Severe Aortic Stenosis at Intermediate Surgical Risk: SOLACE—AU Trial. Heart Lung and Circulation, 2020, 29, 1839-1846.	0.2	3
70	A real-world comparison of outcomes between fractional flow reserve-guided versus angiography-guided percutaneous coronary intervention. PLoS ONE, 2021, 16, e0259662.	1.1	3
71	Bioengineering stents with proactive biocompatibility. Interventional Cardiology, 2015, 7, 571-584.	0.0	2
72	Transcatheter Mitral Valve Replacement With a Novel Dual Stent Bioprosthesis. Circulation: Cardiovascular Interventions, 2017, 10, .	1.4	2

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73	Five-Year Survival of Transcatheter Aortic Valve Implantation in High-Risk Patients. Heart Lung and Circulation, 2021, 30, 1901-1909.	0.2	2
74	Association of microvascular dysfunction with clinical outcomes in patients with non-flow limiting fractional flow reserve after percutaneous coronary intervention. IJC Heart and Vasculature, 2021, 35, 100833.	0.6	1
75	Pathophysiology of Angiogenesis and Its Role in Vascular Disease. , 2020, , 89-116.		1
76	Dual modality intravascular imaging of unstable, symptomatic but "hemodynamically insignificant" carotid stenosis. Journal of Neurology, 2013, 260, 1934-1935.	1.8	0
77	Developments and controversies in coronary physiology and imaging. Coronary Artery Disease, 2015, 26, e1.	0.3	0
78	In Hospital Outcomes for High-Risk Percutaneous Coronary Intervention (PCI) in Patients Referred From a Rural Centre to Metropolitan Sites. Heart Lung and Circulation, 2021, , .	0.2	0