Martin K C Ng

List of Publications by Year
in descending order

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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	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
2	Subclinical valve thrombosis in transcatheter aortic valve implantation: A systematic review and meta-analysis. Journal of Thoracic and Cardiovascular Surgery, 2021, 162, 1491-1499.e2.	0.4	20
3	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
4	Silk Fibroin Scaffold Architecture Regulates Inflammatory Responses and Engraftment of Bone Marrowâ€Mononuclear Cells. Advanced Healthcare Materials, 2021, 10, e2100615.	3.9	10
5	Five-Year Survival of Transcatheter Aortic Valve Implantation in High-Risk Patients. Heart Lung and Circulation, 2021, 30, 1901-1909.	0.2	2
6	2-Year Outcomes for Transcatheter Repair in Patients With Mitral Regurgitation From the CLASP Study. JACC: Cardiovascular Interventions, 2021, 14, 1538-1548.	1.1	40
7	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
8	Acute Coronary Syndromes (ACS)â€"Unravelling Biology to Identify New Therapiesâ€"The Microcirculation as a Frontier for New Therapies in ACS. Cells, 2021, 10, 2188.	1.8	6
9	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
10	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
11	1-Year Outcomes for Transcatheter Repair in Patients With Mitral Regurgitation From the CLASP Study. JACC: Cardiovascular Interventions, 2020, 13, 2344-2357.	1.1	68
12	Performance and Safety of Transfemoral TAVI With SAPIEN XT in Australian Patients With Severe Aortic Stenosis at Intermediate Surgical Risk: SOLACEâ€“AUÂTrial. Heart Lung and Circulation, 2020, 29, 1839-1846.	0.2	3
13	Androgens Stimulate EPC-Mediated Neovascularization and Are Associated with Increased Coronary Collateralization. Endocrinology, 2020, 161, .	1.4	6
14	Pathophysiology of Angiogenesis and Its Role in Vascular Disease. , 2020, , 89-116.		1
15	Transcatheter Valve Repair for PatientsÂWith Mitral Regurgitation. JACC: Cardiovascular Interventions, 2019, 12, 1369-1378.	1.1	128
16	Prognostic Value of Coronary Microvascular Function Measured Immediately After Percutaneous Coronary Intervention in Stable Coronary Artery Disease. Circulation: Cardiovascular Interventions, 2019, 12, e007889.	1.4	47
17	Androgens Ameliorate Impaired Ischemia-Induced Neovascularization Due to Aging in Male Mice. Endocrinology, 2019, 160, 1137-1149.	1.4	8
18	Bioactive Materials Facilitating Targeted Local Modulation of Inflammation. JACC Basic To Translational Science, 2019, 4, 56-71.	1.9	33

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19	Fenofibrate Rescues Diabetes-Related Impairment of Ischemia-Mediated Angiogenesis by PPARÎ±-Independent Modulation of Thioredoxin-Interacting Protein. Diabetes, 2019, 68, 1040-1053.	0.3	22
20	Altered processing enhances the efficacy of small-diameter silk fibroin vascular grafts. Scientific Reports, 2019, 9, 17461.	1.6	38
21	Consensus document for invasive coronary physiologic assessment in Asia-Pacific countries. Cardiology Journal, 2019, 26, 215-225.	0.5	19
22	Integration of induced pluripotent stem cell-derived endothelial cells with polycaprolactone/gelatin-based electrospun scaffolds for enhanced therapeutic angiogenesis. Stem Cell Research and Therapy, 2018, 9, 70.	2.4	47
23	Androgen action augments ischemia-induced, bone marrow progenitor cell-mediated vasculogenesis. International Journal of Biological Sciences, 2018, 14, 1985-1992.	2.6	5
24	The relationship between coronary lesion characteristics and pathologic shear in human coronary arteries. Clinical Biomechanics, 2018, 60, 177-184.	0.5	8
25	Exploring the Roles of CREBRF and TRIM2 in the Regulation of Angiogenesis by High-Density Lipoproteins. International Journal of Molecular Sciences, 2018, 19, 1903.	1.8	16
26	Non-invasive tracking of injected bone marrow mononuclear cells to injury and implanted biomaterials. Acta Biomaterialia, 2017, 53, 378-388.	4.1	17
27	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. International Journal of Cardiology, 2017, 234, 81-89.	0.8	33
28	Transcatheter Mitral Valve Replacement With a Novel Dual Stent Bioprosthesis. Circulation: Cardiovascular Interventions, 2017, 10, .	1.4	2
29	Haemodynamic assessment of human coronary arteries is affected by degree of freedom of artery movement. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 260-272.	0.9	23
30	Iodide Mumps Complicating Coronary and Carotid Angiography. Heart Lung and Circulation, 2017, 26, e14-e15.	0.2	7
31	Physiological Predictors of AcuteÂCoronaryÂSyndromes. JACC: Cardiovascular Interventions, 2017, 10, 2539-2547.	1.1	38
32	The relationship between coronary artery distensibility and fractional flow reserve. PLoS ONE, 2017, 12, e0181824.	1.1	16
33	HDL as a Target for Glycemic Control. Current Drug Targets, 2017, 18, 651-673.	1.0	4
34	Reconstituted high-density lipoproteins promote wound repair and blood flow recovery in response to ischemia in aged mice. Lipids in Health and Disease, 2016, 15, 150.	1.2	17
35	Androgen Receptor-Mediated Genomic Androgen Action Augments Ischemia-Induced Neovascularization. Endocrinology, 2016, 157, 4853-4864.	1.4	8
36	High-Density Lipoproteins Rescue Diabetes-Impaired Angiogenesis via Scavenger Receptor Class B Type I. Diabetes, 2016, 65, 3091-3103.	0.3	38

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37	Developments and controversies in coronary physiology and imaging. Coronary Artery Disease, 2015, 26, e1.	0.3	0
38	Characterization of Endothelial Progenitor Cell Interactions with Human Tropoelastin. PLoS ONE, 2015, 10, e0131101.	1.1	12
39	Immobilization of bioactive plasmin reduces the thrombogenicity of metal surfaces. Colloids and Surfaces B: Biointerfaces, 2015, 136, 944-954.	2.5	12
40	Bioengineering stents with proactive biocompatibility. Interventional Cardiology, 2015, 7, 571-584.	0.0	2
41	The role of high-density lipoproteins in the regulation of angiogenesis. Cardiovascular Research, 2015, 106, 184-193.	1.8	35
42	Highâ€density lipoproteins augment hypoxiaâ€induced angiogenesisviaregulation of postâ€translational modulation of hypoxiaâ€inducible factor 1Î±. FASEB Journal, 2014, 28, 206-217.	0.2	49
43	Biocompatibility of Coronary Stents. Materials, 2014, 7, 769-786.	1.3	40
44	Multifunctional regulation of angiogenesis by high-density lipoproteins. Cardiovascular Research, 2014, 101, 145-154.	1.8	47
45	Transapical Aortic Valve Implantationâ€"An Australian Experience. Heart Lung and Circulation, 2014, 23, 462-468.	0.2	8
46	A Critical Role for Thioredoxin-Interacting Protein in Diabetes-Related Impairment of Angiogenesis. Diabetes, 2014, 63, 675-687.	0.3	57
47	HDL-C and HDL-C/ApoA-I Predict Long-Term Progression of Glycemia in Established Type 2 Diabetes. Diabetes Care, 2014, 37, 2351-2358.	4.3	50
48	Immobilisation of a fibrillin-1 fragment enhances the biocompatibility of PTFE. Colloids and Surfaces B: Biointerfaces, 2014, 116, 544-552.	2.5	17
49	Geriatric Cardiac Surgery: Chronology vs. Biology. Heart Lung and Circulation, 2014, 23, 794-801.	0.2	27
50	Tropoelastin: A versatile, bioactive assembly module. Acta Biomaterialia, 2014, 10, 1532-1541.	4.1	110
51	Extracorporeal Membrane Oxygenation for Very High-risk Transcatheter Aortic Valve Implantation. Heart Lung and Circulation, 2014, 23, 957-962.	0.2	44
52	The Relationship between Endothelial Progenitor Cell Populations and Epicardial and Microvascular Coronary Diseaseâ€"A Cellular, Angiographic and Physiologic Study. PLoS ONE, 2014, 9, e93980.	1.1	12
53	Dual modality intravascular imaging of unstable, symptomatic but â€œhemodynamically insignificantâ€• carotid stenosis. Journal of Neurology, 2013, 260, 1934-1935.	1.8	0
54	Is there a role for coronary angiography in the early detection of the vulnerable plaque?. International Journal of Cardiology, 2013, 164, 262-266.	0.8	18

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55	Effects of continuous positive airway pressure on endothelial function and circulating progenitor cells in obstructive sleep apnoea: A randomised sham-controlled study. International Journal of Cardiology, 2013, 168, 2042-2048.	0.8	27
56	The use of plasma-activated covalent attachment of early domains of tropoelastin to enhance vascular compatibility of surfaces. Biomaterials, 2013, 34, 7584-7591.	5.7	37
57	The Index of Microcirculatory Resistance Predicts Myocardial Infarction Related to Percutaneous Coronary Intervention. Circulation: Cardiovascular Interventions, 2012, 5, 515-522.	1.4	58
58	InÂvivo biocompatibility of a plasma-activated, coronary stent coating. Biomaterials, 2012, 33, 7984-7992.	5.7	57
59	Extracellular Matrix Molecules Facilitating Vascular Biointegration. Journal of Functional Biomaterials, 2012, 3, 569-587.	1.8	18
60	Intracoronary shear-related up-regulation of platelet P-selectin and platelet-monocyte aggregation despite the use of aspirin and clopidogrel. Blood, 2011, 117, 11-20.	0.6	66
61	Stability of a Therapeutic Layer of Immobilized Recombinant Human Tropoelastin on a Plasma-Activated Coated Surface. Pharmaceutical Research, 2011, 28, 1415-1421.	1.7	15
62	A multilayered synthetic human elastin/polycaprolactone hybrid vascular graft with tailored mechanical properties. Acta Biomaterialia, 2011, 7, 295-303.	4.1	253
63	Elastin as a Nonthrombogenic Biomaterial. Tissue Engineering - Part B: Reviews, 2011, 17, 93-99.	2.5	96
64	Androgens, angiogenesis and cardiovascular regeneration. Current Opinion in Endocrinology, Diabetes and Obesity, 2010, 17, 277-283.	1.2	28
65	The immobilization of recombinant human tropoelastin on metals using a plasma-activated coating to improve the biocompatibility of coronary stents. Biomaterials, 2010, 31, 8332-8340.	5.7	96
66	A sex-specific role for androgens in angiogenesis. Journal of Experimental Medicine, 2010, 207, 345-352.	4.2	140
67	The Emerging Role of the Thioredoxin System in Angiogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2089-2098.	1.1	90
68	The relationship between coronary stenosis severity and compression type coronary artery movement in acute myocardial infarction. American Heart Journal, 2010, 159, 584-592.	1.2	24
69	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
70	Cell therapies for therapeutic angiogenesis: back to the bench. Vascular Medicine, 2009, 14, 153-166.	0.8	104
71	Covalent immobilisation of tropoelastin on a plasma deposited interface for enhancement of endothelialisation on metal surfaces. Biomaterials, 2009, 30, 1675-1681.	5.7	118
72	Strikingly Different Angiogenic Properties of Endothelial Progenitor Cell Subpopulations. Journal of the American College of Cardiology, 2008, 51, 660-668.	1.2	320

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73	Where There's Smoke...âžâžEditorials published in the Journal of the American College of Cardiology reflect the views of the authors and do not necessarily represent the views of JACC or the American College of Cardiology.. Journal of the American College of Cardiology, 2008, 51, 1772-1774.	1.2	18
74	A Central Role for Nicotinic Cholinergic Regulation of Growth Factorâ€“Induced Endothelial Cell Migration. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 106-112.	1.1	80
75	New Perspectives on Mars and Venus: Unravelling the Role of Androgens in Gender Differences in Cardiovascular Biology and Disease. Heart Lung and Circulation, 2007, 16, 185-192.	0.2	30
76	Androgens Up-Regulate Atherosclerosis-Related Genes in Macrophages From Males But Not Females. Journal of the American College of Cardiology, 2003, 42, 1306-1313.	1.2	96
77	Dehydroepiandrosterone, an adrenalandrogen, increases human foam cell formation. Journal of the American College of Cardiology, 2003, 42, 1967-1974.	1.2	33
78	Prospective Study of Effect of Androgens on Serum Inflammatory Markers in Men. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 1136-1141.	1.1	69