Victor J Dzau

List of Publications by Citations

98 papers	8,233 citations	32 h-index	90 g-index
134 ext. papers	9,287 ext. citations	17.3 avg, IF	6.04 L-index

#	Paper	IF	Citations
98	Paracrine mechanisms in adult stem cell signaling and therapy. *Circulation Research*, **2008**, 103, 1204-19	15.7	1560
97	Paracrine action accounts for marked protection of ischemic heart by Akt-modified mesenchymal stem cells. *Nature Medicine*, **2005**, 11, 367-8	50.5	1320
96	Evidence supporting paracrine hypothesis for Akt-modified mesenchymal stem cell-mediated cardiac protection and functional improvement. *FASEB Journal*, **2006**, 20, 661-9	0.9	972
95	MicroRNA-mediated in vitro and in vivo direct reprogramming of cardiac fibroblasts to cardiomyocytes. *Circulation Research*, **2012**, 110, 1465-73	15.7	573
94	Secreted frizzled related protein 2 (Sfrp2) is the key Akt-mesenchymal stem cell-released paracrine factor mediating myocardial survival and repair. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 1643-8	11.5	466
93	Mesenchymal stem cells overexpressing Akt dramatically repair infarcted myocardium and improve cardiac function despite infrequent cellular fusion or differentiation. *Molecular Therapy*, **2006**, 14, 840-50	11.7	407
92	Therapeutic potential of endothelial progenitor cells in cardiovascular diseases. *Hypertension*, **2005**, 46, 7-18	8.5	187
91	Genetic modification of mesenchymal stem cells overexpressing CCR1 increases cell viability, migration, engraftment, and capillary density in the injured myocardium. *Circulation Research*, **2010**, 106, 1753-62	15.7	186
90	MicroRNA induced cardiac reprogramming in vivo: evidence for mature cardiac myocytes and improved cardiac function. *Circulation Research*, **2015**, 116, 418-24	15.7	167
89	Emerging Concepts in Paracrine Mechanisms in Regenerative Cardiovascular Medicine and Biology. *Circulation Research*, **2016**, 118, 95-107	15.7	167
88	Exogenously administered secreted frizzled related protein 2 (Sfrp2) reduces fibrosis and improves cardiac function in a rat model of myocardial infarction. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 21110-5	11.5	157
87	The Neglected Dimension of Global Security--A Framework for Countering Infectious-Disease Crises. *New England Journal of Medicine*, **2016**, 374, 1281-7	59.2	123
86	Genetic engineering of mesenchymal stem cells and its application in human disease therapy. *Human Gene Therapy*, **2010**, 21, 1513-26	4.8	119
85	Global implementation of genomic medicine: We are not alone. *Science Translational Medicine*, **2015**, 7, 290ps13	17.5	112
84	Vital Directions for Health and Health Care: Priorities From a National Academy of Medicine Initiative. *JAMA - Journal of the American Medical Association*, **2017**, 317, 1461-1470	27.4	100
83	The role of academic health science systems in the transformation of medicine. *Lancet, The*, **2010**, 375, 949-53	40	99
82	Early beneficial effects of bone marrow-derived mesenchymal stem cells overexpressing Akt on cardiac metabolism after myocardial infarction. *Stem Cells*, **2009**, 27, 971-9	5.8	99

81	Secreted frizzled related protein 2 protects cells from apoptosis by blocking the effect of canonical Wnt3a. *Journal of Molecular and Cellular Cardiology*, **2009**, 46, 370-7	5.8	97
80	MicroRNAs and Cardiac Regeneration. *Circulation Research*, **2015**, 116, 1700-11	15.7	66
79	C3orf58, a novel paracrine protein, stimulates cardiomyocyte cell-cycle progression through the PI3K-AKT-CDK7 pathway. *Circulation Research*, **2013**, 113, 372-80	15.7	61
78	Demethylation of H3K27 Is Essential for the Induction of Direct Cardiac Reprogramming by miR Combo. *Circulation Research*, **2017**, 120, 1403-1413	15.7	58
77	Relieving pain in America: insights from an Institute of Medicine committee. *JAMA - Journal of the American Medical Association*, **2014**, 312, 1507-8	27.4	57
76	Aligning incentives to fulfil the promise of personalised medicine. *Lancet, The*, **2015**, 385, 2118-9	40	55
75	Tissue-engineered 3-dimensional (3D) microenvironment enhances the direct reprogramming of fibroblasts into cardiomyocytes by microRNAs. *Scientific Reports*, **2016**, 6, 38815	4.9	54
74	Toward a Common Secure Future: Four Global Commissions in the Wake of Ebola. *PLoS Medicine*, **2016**, 13, e1002042	11.6	53
73	Realizing the Full Potential of Precision Medicine in Health and Health Care. *JAMA - Journal of the American Medical Association*, **2016**, 316, 1659-1660	27.4	51
72	Mesenchymal stem cells in obesity: insights for translational applications. *Laboratory Investigation*, **2017**, 97, 1158-1166	5.9	48
71	Future of Hypertension. *Hypertension*, **2019**, 74, 450-457	8.5	47
70	Transforming academic health centers for an uncertain future. *New England Journal of Medicine*, **2013**, 369, 991-3	59.2	47
69	The cardiovascular continuum and renin-angiotensin-aldosterone system blockade. *Journal of Hypertension Supplement: Official Journal of the International Society of Hypertension*, **2005**, 23, S9-17		43
68	Assessment of economic vulnerability to infectious disease crises. *Lancet, The*, **2016**, 388, 2443-2448	40	41
67	Abi3bp is a multifunctional autocrine/paracrine factor that regulates mesenchymal stem cell biology. *Stem Cells*, **2013**, 31, 1669-82	5.8	36
66	Post-Ebola reforms: ample analysis, inadequate action. *BMJ, The*, **2017**, 356, j280	5.9	32
65	Fostering innovation in medicine and health care: what must academic health centers do?. *Academic Medicine*, **2013**, 88, 1424-9	3.9	32
64	HASF is a stem cell paracrine factor that activates PKC epsilon mediated cytoprotection. *Journal of Molecular and Cellular Cardiology*, **2014**, 66, 157-64	5.8	31

63	Inhibition of Wnt6 by Sfrp2 regulates adult cardiac progenitor cell differentiation by differential modulation of Wnt pathways. *Journal of Molecular and Cellular Cardiology*, **2015**, 85, 215-25	5.8	29
62	Direct reprogramming of cardiac fibroblasts to cardiomyocytes using microRNAs. *Methods in Molecular Biology*, **2014**, 1150, 263-72	1.4	29
61	Medication-Based Treatment to Address Opioid Use Disorder. *JAMA - Journal of the American Medical Association*, **2019**, 321, 2071-2072	27.4	23
60	The Future Role of the United States in Global Health: Emphasis on Cardiovascular Disease. *Journal of the American College of Cardiology*, **2017**, 70, 3140-3156	15.1	23
59	Abi3bp regulates cardiac progenitor cell proliferation and differentiation. *Circulation Research*, **2014**, 115, 1007-16	15.7	21
58	Selenium Augments microRNA Directed Reprogramming of Fibroblasts to Cardiomyocytes via Nanog. *Scientific Reports*, **2016**, 6, 23017	4.9	19
57	Beyond the Ebola Battle--Winning the War against Future Epidemics. *New England Journal of Medicine*, **2016**, 375, 203-4	59.2	19
56	Urgent lessons from COVID 19: why the world needs a standing, coordinated system and sustainable financing for global research and development. *Lancet, The*, **2021**, 397, 1229-1236	40	19
55	Vital Directions for Health and Health Care: An Initiative of the National Academy of Medicine. *JAMA - Journal of the American Medical Association*, **2016**, 316, 711-712	27.4	18
54	Improving the System to Support Clinician Well-being and Provide Better Patient Care. *JAMA - Journal of the American Medical Association*, **2019**, 322, 2165-2166	27.4	18
53	Time for NIH to lead on data sharing. *Science*, **2020**, 367, 1308-1309	33.3	18
52	Cardiomyocyte Maturation Requires TLR3 Activated Nuclear Factor Kappa B. *Stem Cells*, **2018**, 36, 1198-1209	5.8	17
51	Searching for transcriptional regulators of Ang II-induced vascular pathology. *Journal of Clinical Investigation*, **2005**, 115, 2319-22	15.9	16
50	Blockade of angiotensin II type 2 receptor by PD123319 inhibits osteogenic differentiation of human mesenchymal stem cells via inhibition of extracellular signal-regulated kinase signaling. *Journal of the American Society of Hypertension*, **2015**, 9, 517-25		13
49	Nuclear hormone receptor LXR□inhibits adipocyte differentiation of mesenchymal stem cells with Wnt/beta-catenin signaling. *Laboratory Investigation*, **2016**, 96, 230-8	5.9	12
48	Sequential paracrine mechanisms are necessary for the therapeutic benefits of stem cell therapy. *American Journal of Physiology - Cell Physiology*, **2020**, 319, C1141-C1150	5.4	12
47	HASF (C3orf58) is a novel ligand of the insulin-like growth factor 1 receptor. *Biochemical Journal*, **2017**, 474, 771-780	3.8	11
46	Deletion of angiotensin II type 2 receptor accelerates adipogenesis in murine mesenchymal stem cells via Wnt10b/beta-catenin signaling. *Laboratory Investigation*, **2016**, 96, 909-17	5.9	11

45	Induced cardiomyocyte maturation: Cardiac transcription factors are necessary but not sufficient. *PLoS ONE*, **2019**, 14, e0223842	3.7	10
44	Public Health Research on Gun Violence: Long Overdue. *Annals of Internal Medicine*, **2018**, 168, 876-877	8	10
43	Salt restriction leads to activation of adult renal mesenchymal stromal cell-like cells via prostaglandin E2 and E-prostanoid receptor 4. *Hypertension*, **2015**, 65, 1047-54	8.5	9
42	Health and societal implications of medical and technological advances. *Science Translational Medicine*, **2018**, 10,	17.5	9
41	Strategy, coordinated implementation, and sustainable financing needed for COVID-19 innovations. *Lancet, The*, **2020**, 396, 1469-1471	40	8
40	Responsible Use of Human Gene-Editing Technologies. *Human Gene Therapy*, **2015**, 26, 411-2	4.8	8
39	Insights from molecular signature of in vivo cardiac c-Kit(+) cells following cardiac injury and Ecatenin inhibition. *Journal of Molecular and Cellular Cardiology*, **2018**, 123, 64-74	5.8	8
38	Creating Healthy Communities after Disasters. *New England Journal of Medicine*, **2017**, 377, 1806-1808	59.2	7
37	Creating a Global Health Risk Framework. *New England Journal of Medicine*, **2015**, 373, 991-3	59.2	7
36	Conserved microRNA program as key to mammalian cardiac regeneration: insights from zebrafish. *Circulation Research*, **2015**, 116, 1109-11	15.7	6
35	Understanding the mechanism of bias signaling of the insulin-like growth factor 1 receptor: Effects of LL37 and HASF. *Cellular Signalling*, **2018**, 46, 113-119	4.9	6
34	Revisiting academic health sciences systems a decade later: discovery to health to population to society. *Lancet, The*, **2021**,	40	6
33	Sox6 as a new modulator of renin expression in the kidney. *American Journal of Physiology - Renal Physiology*, **2020**, 318, F285-F297	4.3	6
32	Optimizing delivery for efficient cardiac reprogramming. *Biochemical and Biophysical Research Communications*, **2020**, 533, 9-16	3.4	4
31	CRISPR/Cas9 Mediated Deletion of the Angiotensinogen Gene Reduces Hypertension: A Potential for Cure?. *Hypertension*, **2021**, 77, 1990-2000	8.5	4
30	Enhancing cardiac reprogramming via synthetic RNA oligonucleotides. *Molecular Therapy - Nucleic Acids*, **2021**, 23, 55-62	10.7	4
29	Vital Directions For Health And Health Care: Priorities For 2021. *Health Affairs*, **2021**, 40, 197-203	7	4
28	The Imperative for Diversity and Inclusion in Clinical Trials and Health Research Participation.. *JAMA - Journal of the American Medical Association*, **2022**,	27.4	4

27	Reimagining population health as convergence science. *Lancet, The*, **2018**, 392, 367-368	40	3
26	Supporting the Next Generation of Biomedical Researchers. *JAMA - Journal of the American Medical Association*, **2018**, 320, 29-30	27.4	3
25	Basic and Translational Research in Cardiac Repair and Regeneration: JACC State-of-the-Art Review. *Journal of the American College of Cardiology*, **2021**, 78, 2092-2105	15.1	3
24	Facing forward after Ebola: questions for the next director general of the World Health Organization. *BMJ, The*, **2016**, 353, i2666	5.9	3
23	The National Academy of Medicine and the Cardiovascular Community: Partnering for a Healthier Future. *Circulation*, **2016**, 134, 183-5	16.7	2
22	Debate on the cost of innovation in healthcare: is it too costly?. *BMJ Simulation and Technology Enhanced Learning*, **2017**, 3, S33-S36	1.1	2
21	Abstract 15555: Potential Cure for Hypertension? The Effect of Crispr Genome Editing. *Circulation*, **2020**, 142,	16.7	2
20	Production of Cardiomyocytes by microRNA-Mediated Reprogramming in Optimized Reprogramming Media. *Methods in Molecular Biology*, **2021**, 2239, 47-59	1.4	2
19	Vital Directions for Health & Health Care: The North Carolina Experience. *North Carolina Medical Journal*, **2020**, 81, 167-172	0.6	2
18	A role for Sfrp2 in cardiomyogenesis in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	2
17	An Equity Agenda for the Field of Health Care Quality Improvement.. *NAM Perspectives*, **2021**, 2021,	2.8	2
16	Clarification of Reporting of Potential Conflicts of Interest in JAMA Articles. *JAMA - Journal of the American Medical Association*, **2019**, 322, 696	27.4	1
15	Stem Cell Therapy for Cardiovascular Disease225-249		1
14	Gene Therapy for Cardiovascular Disease: Inserting New Genes, Regulating the Expression of Native Genes, and Correcting Genetic Defects195-224		1
13	What Can Patient Safety Teach Us About Clinician Burnout?. *Annals of Internal Medicine*, **2019**, 171, 933-934		1
12	The Institute of Medicine: ensuring integrity and independence in scientific advice on health. *Lancet, The*, **2016**, 387, 1686-92	40	0
11	Clinician Burnout and Professional Well-being-Reply. *JAMA - Journal of the American Medical Association*, **2020**, 323, 1318	27.4	
10	Commentary: Vaccines-Protecting Health and Saving Lives. *Psychological Science in the Public Interest: A Journal of the American Psychological Society*, **2017**, 18, 147-148	18.6	

9	The Implications of Genes on the Pathogenesis, Diagnosis and Therapeutics of Hypertension166-191	
8	The Long QT Syndrome83-110	
7	Pharmacogenetics and Personalized Medicine250-276	
6	Monogenic Hypercholesterolemia19-29	
5	The Potential of Blood-Based Gene Profiling for Disease Assessment277-299	
4	Dilated Cardiomyopathy and Other Cardiomyopathies55-82	
3	Cardiomyocyte specific overexpression of C3orf58 activates ER stress leading to impaired cardiac function. *FASEB Journal*, **2013**, 27, 929.7	0.9
2	Coordination Needed to Address Clinician Well-being and the Opioid Epidemic. *JAMA - Journal of the American Medical Association*, **2021**, 325, 2341-2342	27.4
1	Should global financing be the main priority for pandemic preparedness? - AuthorsQreply. *Lancet, The*, **2021**, 398, 388-389	40