Victor J Dzau

List of Publications by Year
in descending order

119 papers	10,094 citations	109264 35 h-index	36008 97 g-index
134 all docs	134 docs citations	134 times ranked	11944 citing authors

#	Article	IF	Citations
1	Paracrine Mechanisms in Adult Stem Cell Signaling and Therapy. Circulation Research, 2008, 103, 1204-1219.	2.0	1,809
2	Paracrine action accounts for marked protection of ischemic heart by Akt-modified mesenchymal stem cells. Nature Medicine, 2005, 11, 367-368.	15.2	1,512
3	Evidence supporting paracrine hypothesis for Aktâ€modified mesenchymal stem cellâ€mediated cardiac protection and functional improvement. FASEB Journal, 2006, 20, 661-669.	0.2	1,082
4	MicroRNA-Mediated In Vitro and In Vivo Direct Reprogramming of Cardiac Fibroblasts to Cardiomyocytes. Circulation Research, 2012, 110, 1465-1473.	2.0	698
5	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, 1643-1648.	3.3	500
6	Mesenchymal stem cells overexpressing Akt dramatically repair infarcted myocardium and improve cardiac function despite infrequent cellular fusion or differentiation. Molecular Therapy, 2006, 14, 840-850.	3.7	454
7	Emerging Concepts in Paracrine Mechanisms in Regenerative Cardiovascular Medicine and Biology. Circulation Research, 2016, 118, 95-107.	2.0	223
8	Genetic Modification of Mesenchymal Stem Cells Overexpressing CCR1 Increases Cell Viability, Migration, Engraftment, and Capillary Density in the Injured Myocardium. Circulation Research, 2010, 106, 1753-1762.	2.0	212
9	MicroRNA Induced Cardiac Reprogramming In Vivo. Circulation Research, 2015, 116, 418-424.	2.0	210
10	Therapeutic Potential of Endothelial Progenitor Cells in Cardiovascular Diseases. Hypertension, 2005, 46, 7-18.	1.3	199
11	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, 21110-21115.	3.3	184
12	The Neglected Dimension of Global Security â€" A Framework for Countering Infectious-Disease Crises. New England Journal of Medicine, 2016, 374, 1281-1287.	13.9	173
13	Global implementation of genomic medicine: We are not alone. Science Translational Medicine, 2015, 7, 290ps13.	5.8	146
14	Vital Directions for Health and Health Care. JAMA - Journal of the American Medical Association, 2017, 317, 1461.	3.8	144
15	Genetic Engineering of Mesenchymal Stem Cells and Its Application in Human Disease Therapy. Human Gene Therapy, 2010, 21, 1513-1526.	1.4	136
16	The role of academic health science systems in the transformation of medicine. Lancet, The, 2010, 375, 949-953.	6.3	127
17	Early Beneficial Effects of Bone Marrow-Derived Mesenchymal Stem Cells Overexpressing Akt on Cardiac Metabolism After Myocardial Infarction. Stem Cells, 2009, 27, 971-979.	1.4	110
18	Secreted frizzled related protein 2 protects cells from apoptosis by blocking the effect of canonical Wnt3a. Journal of Molecular and Cellular Cardiology, 2009, 46, 370-377.	0.9	107

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19	Future of Hypertension. Hypertension, 2019, 74, 450-457.	1.3	91
20	Demethylation of H3K27 Is Essential for the Induction of Direct Cardiac Reprogramming by miR Combo. Circulation Research, 2017, 120, 1403-1413.	2.0	87
21	MicroRNAs and Cardiac Regeneration. Circulation Research, 2015, 116, 1700-1711.	2.0	79
22	<i>C3orf58</i> , a Novel Paracrine Protein, Stimulates Cardiomyocyte Cell-Cycle Progression Through the PI3Kâ€"AKTâ€"CDK7 Pathway. Circulation Research, 2013, 113, 372-380.	2.0	73
23	Aligning incentives to fulfil the promise of personalised medicine. Lancet, The, 2015, 385, 2118-2119.	6.3	72
24	Relieving Pain in America. JAMA - Journal of the American Medical Association, 2014, 312, 1507.	3.8	70
25	Toward a Common Secure Future: Four Global Commissions in the Wake of Ebola. PLoS Medicine, 2016, 13, e1002042.	3.9	70
26	Realizing the Full Potential of Precision Medicine in Health and Health Care. JAMA - Journal of the American Medical Association, 2016, 316, 1659.	3.8	70
27	Tissue-engineered 3-dimensional (3D) microenvironment enhances the direct reprogramming of fibroblasts into cardiomyocytes by microRNAs. Scientific Reports, 2016, 6, 38815.	1.6	68
28	Assessment of economic vulnerability to infectious disease crises. Lancet, The, 2016, 388, 2443-2448.	6.3	68
29	Transforming Academic Health Centers for an Uncertain Future. New England Journal of Medicine, 2013, 369, 991-993.	13.9	60
30	Mesenchymal stem cells in obesity: insights for translational applications. Laboratory Investigation, 2017, 97, 1158-1166.	1.7	60
31	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.	6.3	54
32	Post-Ebola reforms: ample analysis, inadequate action. BMJ: British Medical Journal, 2017, 356, j280.	2.4	50
33	Abi3bp Is a Multifunctional Autocrine/Paracrine Factor that Regulates Mesenchymal Stem Cell Biology. Stem Cells, 2013, 31, 1669-1682.	1.4	47
34	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.	0.1	43
35	Fostering Innovation in Medicine and Health Care. Academic Medicine, 2013, 88, 1424-1429.	0.8	42
36	Time for NIH to lead on data sharing. Science, 2020, 367, 1308-1309.	6.0	42

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37	Basic and Translational Research in Cardiac Repair and Regeneration. Journal of the American College of Cardiology, 2021, 78, 2092-2105.	1.2	42
38	Improving the System to Support Clinician Well-being and Provide Better Patient Care. JAMA - Journal of the American Medical Association, 2019, 322, 2165.	3.8	37
39	Medication-Based Treatment to Address Opioid Use Disorder. JAMA - Journal of the American Medical Association, 2019, 321, 2071.	3.8	36
40	Direct Reprogramming of Cardiac Fibroblasts to Cardiomyocytes Using MicroRNAs. Methods in Molecular Biology, 2014, 1150, 263-272.	0.4	35
41	The Imperative for Diversity and Inclusion in Clinical Trials and Health Research Participation. JAMA - Journal of the American Medical Association, 2022, 327, 2283.	3.8	35
42	HASF is a stem cell paracrine factor that activates PKC epsilon mediated cytoprotection. Journal of Molecular and Cellular Cardiology, 2014, 66, 157-164.	0.9	34
43	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, 215-225.	0.9	34
44	The Future Role of the United States in Global Health. Journal of the American College of Cardiology, 2017, 70, 3140-3156.	1.2	33
45	Cardiomyocyte Maturation Requires TLR3 Activated Nuclear Factor Kappa B. Stem Cells, 2018, 36, 1198-1209.	1.4	28
46	Vital Directions for Health and Health Care. JAMA - Journal of the American Medical Association, 2016, 316, 711.	3.8	25
47	Abi3bp Regulates Cardiac Progenitor Cell Proliferation and Differentiation. Circulation Research, 2014, 115, 1007-1016.	2.0	23
48	Selenium Augments microRNA Directed Reprogramming of Fibroblasts to Cardiomyocytes via Nanog. Scientific Reports, 2016, 6, 23017.	1.6	23
49	Wake-up call from Hong Kong. Science, 2018, 362, 1215-1215.	6.0	23
50	Sequential paracrine mechanisms are necessary for the therapeutic benefits of stem cell therapy. American Journal of Physiology - Cell Physiology, 2020, 319, C1141-C1150.	2.1	23
51	Two Decades Since <i>To Err Is Human</i>. JAMA - Journal of the American Medical Association, 2020, 324, 2489.	3.8	23
52	Beyond the Ebola Battle â€” Winning the War against Future Epidemics. New England Journal of Medicine, 2016, 375, 203-204.	13.9	22
53	Artificial Intelligence in Health, Health Care, and Biomedical Science: An AI Code of Conduct Principles and Commitments Discussion Draft. NAM Perspectives, 2021, 3, .	1.3	21
54	Public Health Research on Gun Violence: Long Overdue. Annals of Internal Medicine, 2018, 168, 876.	2.0	19

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55	Searching for transcriptional regulators of Ang II-induced vascular pathology. Journal of Clinical Investigation, 2005, 115, 2319-2322.	3.9	19
56	Revisiting academic health sciences systems a decade later: discovery to health to population to society. Lancet, The, 2021, 398, 2300-2304.	6.3	19
57	Equity and Qualityâ€"Improving Health Care Delivery Requires Both. JAMA - Journal of the American Medical Association, 2022, 327, 519.	3.8	19
58	Induced cardiomyocyte maturation: Cardiac transcription factors are necessary but not sufficient. PLoS ONE, 2019, 14, e0223842.	1.1	17
59	Reimagining population health as convergence science. Lancet, The, 2018, 392, 367-368.	6.3	16
60	Deletion of angiotensin II type 2 receptor accelerates adipogenesis in murine mesenchymal stem cells via Wnt10b/beta-catenin signaling. Laboratory Investigation, 2016, 96, 909-917.	1.7	15
61	HASF (C3orf58) is a novel ligand of the insulin-like growth factor 1 receptor. Biochemical Journal, 2017, 474, 771-780.	1.7	15
62	Health and societal implications of medical and technological advances. Science Translational Medicine, 2018, 10, .	5.8	15
63	Optimizing delivery for efficient cardiac reprogramming. Biochemical and Biophysical Research Communications, 2020, 533, 9-16.	1.0	15
64	Closing the global vaccine equity gap: equitably distributed manufacturing. Lancet, The, 2022, 399, 1924-1926.	6.3	15
65	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, 517-525.	2.3	14
66	Nuclear hormone receptor LXRÎ± inhibits adipocyte differentiation of mesenchymal stem cells with Wnt/beta-catenin signaling. Laboratory Investigation, 2016, 96, 230-238.	1.7	14
67	Sox6 as a new modulator of renin expression in the kidney. American Journal of Physiology - Renal Physiology, 2020, 318, F285-F297.	1.3	14
68	Creating Healthy Communities after Disasters. New England Journal of Medicine, 2017, 377, 1806-1808.	13.9	13
69	Insights from molecular signature of in vivo cardiac c-Kit(+) cells following cardiac injury and Î²-catenin inhibition. Journal of Molecular and Cellular Cardiology, 2018, 123, 64-74.	0.9	13
70	Salt Restriction Leads to Activation of Adult Renal Mesenchymal Stromal Cellâ€"Like Cells via Prostaglandin E2 and E-Prostanoid Receptor 4. Hypertension, 2015, 65, 1047-1054.	1.3	12
71	Strategy, coordinated implementation, and sustainable financing needed for COVID-19 innovations. Lancet, The, 2020, 396, 1469-1471.	6.3	12
72	Vital Directions For Health And Health Care: Priorities For 2021. Health Affairs, 2021, 40, 197-203.	2.5	12

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73	Responsible Use of Human Gene-Editing Technologies. Human Gene Therapy, 2015, 26, 411-412.	1.4	11
74	Enhancing cardiac reprogramming via synthetic RNA oligonucleotides. Molecular Therapy - Nucleic Acids, 2021, 23, 55-62.	2.3	11
75	Translating science to medicine: The case for physician-scientists. Science Translational Medicine, 2022, 14, eabg7852.	5.8	11
76	Restore the US Lead in Biomedical Research. JAMA - Journal of the American Medical Association, 2015, 313, 143.	3.8	10
77	CRISPR/Cas9 Mediated Deletion of the Angiotensinogen Gene Reduces Hypertension: A Potential for Cure?. Hypertension, 2021, 77, 1990-2000.	1.3	10
78	Creating a Global Health Risk Framework. New England Journal of Medicine, 2015, 373, 991-993.	13.9	9
79	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.	1.7	8
80	A role for Sfrp2 in cardiomyogenesis in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	8
81	Conserved MicroRNA Program as Key to Mammalian Cardiac Regeneration. Circulation Research, 2015, 116, 1109-1111.	2.0	6
82	Achieving healthy human longevity: A global grand challenge. Science Translational Medicine, 2020, 12, .	5.8	6
83	Creating a Global Roadmap for Healthy Longevity. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, S4-S6.	1.7	5
84	The National Academy of Medicine and the Cardiovascular Community. Circulation, 2016, 134, 183-185.	1.6	4
85	Production of Cardiomyocytes by microRNA-Mediated Reprogramming in Optimized Reprogramming Media. Methods in Molecular Biology, 2021, 2239, 47-59.	0.4	4
86	Facing forward after Ebola: questions for the next director general of the World Health Organization. BMJ, The, 2016, 353, i2666.	3.0	3
87	Cardiovascular Research and the National Academy of Medicine: Advancing Progress in Science and Medicine. Circulation Research, 2017, 120, 23-26.	2.0	3
88	Debate on the cost of innovation in healthcare: is it too costly?. BMJ Simulation and Technology Enhanced Learning, 2017, 3, S33-S36.	0.7	3
89	Supporting the Next Generation of Biomedical Researchers. JAMA - Journal of the American Medical Association, 2018, 320, 29.	3.8	3
90	Clarification of Reporting of Potential Conflicts of Interest in JAMA Articles. JAMA - Journal of the American Medical Association, 2019, 322, 696.	3.8	3

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91	What Can Patient Safety Teach Us About Clinician Burnout?. Annals of Internal Medicine, 2019, 171, 933.	2.0	2
92	Cardiovascular Research and the National Academy of Medicine: Advancing Progress in Science and Medicine. Circulation Research, 2017, 120, 20-22.	2.0	2
93	Vital Directions for Health & Health Care. North Carolina Medical Journal, 2020, 81, 167-172.	0.1	2
94	Abstract 15555: Potential Cure for Hypertension? The Effect of Crispr Genome Editing. Circulation, 2020, 142, .	1.6	2
95	How Academic Health Systems Can Be Ready for the Next Pandemic. Academic Medicine, 2022, 97, 479-483.	0.8	2
96	The Institute of Medicine: ensuring integrity and independence in scientific advice on health. Lancet, The, 2016, 387, 1686-1692.	6.3	1
97	Good gun policy needs research. Science, 2018, 359, 1195-1195.	6.0	1
98	Coordination Needed to Address Clinician Well-being and the Opioid Epidemic. JAMA - Journal of the American Medical Association, 2021, 325, 2341.	3.8	1
99	Improving health through convergence science: reimagining our approach to solving the world's biggest challenges. , 2022, 1, .		1
100	Response to Letter Regarding Article â€œAtherosclerosis 2005: Recent Discoveries and Novel Hypothesesâ€: Circulation, 2006, 113, .	1.6	0
101	Cardiovascular Polygenic Disorders. , 0, , 111-111.		0
102	Cardiovascular Single Gene Disorders. , 0, , 17-17.		0
103	Therapies and Applications. , 0, , 193-193.		0
104	Commentary: Vaccinesâ€"Protecting Health and Saving Lives. Psychological Science in the Public Interest: A Journal of the American Psychological Society, 2017, 18, 147-148.	6.7	0
105	Clinician Burnout and Professional Well-beingâ€"Reply. JAMA - Journal of the American Medical Association, 2020, 323, 1318.	3.8	0
106	Should global financing be the main priority for pandemic preparedness? â€" Authors' reply. Lancet, The, 2021, 398, 388-389.	6.3	0
107	Cardiomyocyte specific overexpression of C3orf58 activates ER stress leading to impaired cardiac function. FASEB Journal, 2013, 27, 929.7.	0.2	0
108	Abstract 141: Histone Methyltransferase Setdb2 is important for miRNA mediated cardiac reprogramming. Circulation Research, 2013, 113, .	2.0	0

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109	Abstract 15751: A New Role of Sox6 in Renin Regulation. Circulation, 2014, 130, .	1.6	0
110	Abstract 15541: Novel Molecular Entity for Effective Cardiac Regeneration: 5â€™ppp Microrna Induces Reprogramming and Accelerates Cardiomyocyte Maturation. Circulation, 2020, 142, .	1.6	0
111	Abstract 15547: Sfrp2 Mediates Ipsc to Cardiomyocyte Differentiation via Competing Actions on Wnts. Circulation, 2020, 142, .	1.6	0
112	Induced cardiomyocyte maturation: Cardiac transcription factors are necessary but not sufficient. , 2019, 14, e0223842.		0
113	Induced cardiomyocyte maturation: Cardiac transcription factors are necessary but not sufficient. , 2019, 14, e0223842.		0
114	Induced cardiomyocyte maturation: Cardiac transcription factors are necessary but not sufficient. , 2019, 14, e0223842.		0
115	Induced cardiomyocyte maturation: Cardiac transcription factors are necessary but not sufficient. , 2019, 14, e0223842.		0
116	Abstract 9746: Rig-1 Agonists Regulate Cardiac Reprogramming via Yy1. Circulation, 2021, 144, .	1.6	0
117	Abstract 9742: Conservation of Mir Direct Cardiac Reprogramming Across Several Mammalian Species. Circulation, 2021, 144, .	1.6	0
118	Abstract 9745: Exosome Delivery for Therapeutic Cardiac Reprogramming. Circulation, 2021, 144, .	1.6	0
119	Abstract 19364: C-Kit ⁺ Cardiac Progenitor Cells are Important in Cardiomyocytes Generation i <i>n vivo</i> in Response to Sfrp2. Circulation, 2015, 132, .	1.6	0