

Victor J Dzau

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

10,094
citations

109321

35
h-index

36028

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. <i>Circulation Research</i> , 2008, 103, 1204-1219.	4.5	1,809
2	Paracrine action accounts for marked protection of ischemic heart by Akt-modified mesenchymal stem cells. <i>Nature Medicine</i> , 2005, 11, 367-368.	30.7	1,512
3	Evidence supporting paracrine hypothesis for Akt-modified mesenchymal stem cell-mediated cardiac protection and functional improvement. <i>FASEB Journal</i> , 2006, 20, 661-669.	0.5	1,082
4	MicroRNA-Mediated In Vitro and In Vivo Direct Reprogramming of Cardiac Fibroblasts to Cardiomyocytes. <i>Circulation Research</i> , 2012, 110, 1465-1473.	4.5	698
5	Secreted frizzled related protein 2 (Sfrp2) is the key Akt-mesenchymal stem cell-released paracrine factor mediating myocardial survival and repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1643-1648.	7.1	500
6	Mesenchymal stem cells overexpressing Akt dramatically repair infarcted myocardium and improve cardiac function despite infrequent cellular fusion or differentiation. <i>Molecular Therapy</i> , 2006, 14, 840-850.	8.2	454
7	Emerging Concepts in Paracrine Mechanisms in Regenerative Cardiovascular Medicine and Biology. <i>Circulation Research</i> , 2016, 118, 95-107.	4.5	223
8	Genetic Modification of Mesenchymal Stem Cells Overexpressing CCR1 Increases Cell Viability, Migration, Engraftment, and Capillary Density in the Injured Myocardium. <i>Circulation Research</i> , 2010, 106, 1753-1762.	4.5	212
9	MicroRNA Induced Cardiac Reprogramming In Vivo. <i>Circulation Research</i> , 2015, 116, 418-424.	4.5	210
10	Therapeutic Potential of Endothelial Progenitor Cells in Cardiovascular Diseases. <i>Hypertension</i> , 2005, 46, 7-18.	2.7	199
11	Exogenously administered secreted frizzled related protein 2 (Sfrp2) reduces fibrosis and improves cardiac function in a rat model of myocardial infarction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21110-21115.	7.1	184
12	The Neglected Dimension of Global Security – A Framework for Countering Infectious-Disease Crises. <i>New England Journal of Medicine</i> , 2016, 374, 1281-1287.	27.0	173
13	Global implementation of genomic medicine: We are not alone. <i>Science Translational Medicine</i> , 2015, 7, 290ps13.	12.4	146
14	Vital Directions for Health and Health Care. <i>JAMA - Journal of the American Medical Association</i> , 2017, 317, 1461.	7.4	144
15	Genetic Engineering of Mesenchymal Stem Cells and Its Application in Human Disease Therapy. <i>Human Gene Therapy</i> , 2010, 21, 1513-1526.	2.7	136
16	The role of academic health science systems in the transformation of medicine. <i>Lancet, The</i> , 2010, 375, 949-953.	18.7	127
17	Early Beneficial Effects of Bone Marrow-Derived Mesenchymal Stem Cells Overexpressing Akt on Cardiac Metabolism After Myocardial Infarction. <i>Stem Cells</i> , 2009, 27, 971-979.	3.2	110
18	Secreted frizzled related protein 2 protects cells from apoptosis by blocking the effect of canonical Wnt3a. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 370-377.	1.9	107

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19	Future of Hypertension. <i>Hypertension</i> , 2019, 74, 450-457.	2.7	91
20	Demethylation of H3K27 Is Essential for the Induction of Direct Cardiac Reprogramming by miR Combo. <i>Circulation Research</i> , 2017, 120, 1403-1413.	4.5	87
21	MicroRNAs and Cardiac Regeneration. <i>Circulation Research</i> , 2015, 116, 1700-1711.	4.5	79
22	<i>C3orf58</i> , a Novel Paracrine Protein, Stimulates Cardiomyocyte Cell-Cycle Progression Through the PI3K-AKT-CDK7 Pathway. <i>Circulation Research</i> , 2013, 113, 372-380.	4.5	73
23	Aligning incentives to fulfil the promise of personalised medicine. <i>Lancet, The</i> , 2015, 385, 2118-2119.	13.7	72
24	Relieving Pain in America. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 1507.	7.4	70
25	Toward a Common Secure Future: Four Global Commissions in the Wake of Ebola. <i>PLoS Medicine</i> , 2016, 13, e1002042.	8.4	70
26	Realizing the Full Potential of Precision Medicine in Health and Health Care. <i>JAMA - Journal of the American Medical Association</i> , 2016, 316, 1659.	7.4	70
27	Tissue-engineered 3-dimensional (3D) microenvironment enhances the direct reprogramming of fibroblasts into cardiomyocytes by microRNAs. <i>Scientific Reports</i> , 2016, 6, 38815.	3.3	68
28	Assessment of economic vulnerability to infectious disease crises. <i>Lancet, The</i> , 2016, 388, 2443-2448.	13.7	68
29	Transforming Academic Health Centers for an Uncertain Future. <i>New England Journal of Medicine</i> , 2013, 369, 991-993.	27.0	60
30	Mesenchymal stem cells in obesity: insights for translational applications. <i>Laboratory Investigation</i> , 2017, 97, 1158-1166.	3.7	60
31	Urgent lessons from COVID 19: why the world needs a standing, coordinated system and sustainable financing for global research and development. <i>Lancet, The</i> , 2021, 397, 1229-1236.	13.7	54
32	Post-Ebola reforms: ample analysis, inadequate action. <i>BMJ: British Medical Journal</i> , 2017, 356, j280.	2.3	50
33	Abi3bp Is a Multifunctional Autocrine/Paracrine Factor that Regulates Mesenchymal Stem Cell Biology. <i>Stem Cells</i> , 2013, 31, 1669-1682.	3.2	47
34	The cardiovascular continuum and renin-angiotensin-aldosterone system blockade. <i>Journal of Hypertension Supplement: Official Journal of the International Society of Hypertension</i> , 2005, 23, S9-17.	0.1	43
35	Fostering Innovation in Medicine and Health Care. <i>Academic Medicine</i> , 2013, 88, 1424-1429.	1.6	42
36	Time for NIH to lead on data sharing. <i>Science</i> , 2020, 367, 1308-1309.	12.6	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.	2.8	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.	7.4	37
39	Medication-Based Treatment to Address Opioid Use Disorder. JAMA - Journal of the American Medical Association, 2019, 321, 2071.	7.4	36
40	Direct Reprogramming of Cardiac Fibroblasts to Cardiomyocytes Using MicroRNAs. Methods in Molecular Biology, 2014, 1150, 263-272.	0.9	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.	7.4	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.	1.9	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.	1.9	34
44	The Future Role of the United States in Global Health. Journal of the American College of Cardiology, 2017, 70, 3140-3156.	2.8	33
45	Cardiomyocyte Maturation Requires TLR3 Activated Nuclear Factor Kappa B. Stem Cells, 2018, 36, 1198-1209.	3.2	28
46	Vital Directions for Health and Health Care. JAMA - Journal of the American Medical Association, 2016, 316, 711.	7.4	25
47	Abi3bp Regulates Cardiac Progenitor Cell Proliferation and Differentiation. Circulation Research, 2014, 115, 1007-1016.	4.5	23
48	Selenium Augments microRNA Directed Reprogramming of Fibroblasts to Cardiomyocytes via Nanog. Scientific Reports, 2016, 6, 23017.	3.3	23
49	Wake-up call from Hong Kong. Science, 2018, 362, 1215-1215.	12.6	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.	4.6	23
51	Two Decades Since <i>To Err Is Human</i>. JAMA - Journal of the American Medical Association, 2020, 324, 2489.	7.4	23
52	Beyond the Ebola Battle â€” Winning the War against Future Epidemics. New England Journal of Medicine, 2016, 375, 203-204.	27.0	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, .	2.9	21
54	Public Health Research on Gun Violence: Long Overdue. Annals of Internal Medicine, 2018, 168, 876.	3.9	19

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55	Searching for transcriptional regulators of Ang II-induced vascular pathology. <i>Journal of Clinical Investigation</i> , 2005, 115, 2319-2322.	8.2	19
56	Revisiting academic health sciences systems a decade later: discovery to health to population to society. <i>Lancet, The</i> , 2021, 398, 2300-2304.	13.7	19
57	Equity and Quality—Improving Health Care Delivery Requires Both. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 519.	7.4	19
58	Induced cardiomyocyte maturation: Cardiac transcription factors are necessary but not sufficient. <i>PLoS ONE</i> , 2019, 14, e0223842.	2.5	17
59	Reimagining population health as convergence science. <i>Lancet, The</i> , 2018, 392, 367-368.	13.7	16
60	Deletion of angiotensin II type 2 receptor accelerates adipogenesis in murine mesenchymal stem cells via Wnt10b/beta-catenin signaling. <i>Laboratory Investigation</i> , 2016, 96, 909-917.	3.7	15
61	HASF (C3orf58) is a novel ligand of the insulin-like growth factor 1 receptor. <i>Biochemical Journal</i> , 2017, 474, 771-780.	3.7	15
62	Health and societal implications of medical and technological advances. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	15
63	Optimizing delivery for efficient cardiac reprogramming. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 9-16.	2.1	15
64	Closing the global vaccine equity gap: equitably distributed manufacturing. <i>Lancet, The</i> , 2022, 399, 1924-1926.	13.7	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. <i>Journal of the American Society of Hypertension</i> , 2015, 9, 517-525.	2.3	14
66	Nuclear hormone receptor LXR β inhibits adipocyte differentiation of mesenchymal stem cells with Wnt/beta-catenin signaling. <i>Laboratory Investigation</i> , 2016, 96, 230-238.	3.7	14
67	Sox6 as a new modulator of renin expression in the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F285-F297.	2.7	14
68	Creating Healthy Communities after Disasters. <i>New England Journal of Medicine</i> , 2017, 377, 1806-1808.	27.0	13
69	Insights from molecular signature of in vivo cardiac c-Kit(+) cells following cardiac injury and β 2-catenin inhibition. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 123, 64-74.	1.9	13
70	Salt Restriction Leads to Activation of Adult Renal Mesenchymal Stromal Cell-Like Cells via Prostaglandin E2 and E-Prostanoid Receptor 4. <i>Hypertension</i> , 2015, 65, 1047-1054.	2.7	12
71	Strategy, coordinated implementation, and sustainable financing needed for COVID-19 innovations. <i>Lancet, The</i> , 2020, 396, 1469-1471.	13.7	12
72	Vital Directions For Health And Health Care: Priorities For 2021. <i>Health Affairs</i> , 2021, 40, 197-203.	5.2	12

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73	Responsible Use of Human Gene-Editing Technologies. <i>Human Gene Therapy</i> , 2015, 26, 411-412.	2.7	11
74	Enhancing cardiac reprogramming via synthetic RNA oligonucleotides. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 23, 55-62.	5.1	11
75	Translating science to medicine: The case for physician-scientists. <i>Science Translational Medicine</i> , 2022, 14, eabg7852.	12.4	11
76	Restore the US Lead in Biomedical Research. <i>JAMA - Journal of the American Medical Association</i> , 2015, 313, 143.	7.4	10
77	CRISPR/Cas9 Mediated Deletion of the Angiotensinogen Gene Reduces Hypertension: A Potential for Cure?. <i>Hypertension</i> , 2021, 77, 1990-2000.	2.7	10
78	Creating a Global Health Risk Framework. <i>New England Journal of Medicine</i> , 2015, 373, 991-993.	27.0	9
79	Understanding the mechanism of bias signaling of the insulin-like growth factor 1 receptor: Effects of LL37 and HASF. <i>Cellular Signalling</i> , 2018, 46, 113-119.	3.6	8
80	A role for Sfrp2 in cardiomyogenesis in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
81	Conserved MicroRNA Program as Key to Mammalian Cardiac Regeneration. <i>Circulation Research</i> , 2015, 116, 1109-1111.	4.5	6
82	Achieving healthy human longevity: A global grand challenge. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	6
83	Creating a Global Roadmap for Healthy Longevity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, S4-S6.	3.6	5
84	The National Academy of Medicine and the Cardiovascular Community. <i>Circulation</i> , 2016, 134, 183-185.	1.6	4
85	Production of Cardiomyocytes by microRNA-Mediated Reprogramming in Optimized Reprogramming Media. <i>Methods in Molecular Biology</i> , 2021, 2239, 47-59.	0.9	4
86	Facing forward after Ebola: questions for the next director general of the World Health Organization. <i>BMJ, The</i> , 2016, 353, i2666.	6.0	3
87	Cardiovascular Research and the National Academy of Medicine: Advancing Progress in Science and Medicine. <i>Circulation Research</i> , 2017, 120, 23-26.	4.5	3
88	Debate on the cost of innovation in healthcare: is it too costly?. <i>BMJ Simulation and Technology Enhanced Learning</i> , 2017, 3, S33-S36.	0.7	3
89	Supporting the Next Generation of Biomedical Researchers. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 29.	7.4	3
90	Clarification of Reporting of Potential Conflicts of Interest in JAMA Articles. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 696.	7.4	3

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91	What Can Patient Safety Teach Us About Clinician Burnout?. Annals of Internal Medicine, 2019, 171, 933.	3.9	2
92	Cardiovascular Research and the National Academy of Medicine: Advancing Progress in Science and Medicine. Circulation Research, 2017, 120, 20-22.	4.5	2
93	Vital Directions for Health & Health Care. North Carolina Medical Journal, 2020, 81, 167-172.	0.2	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.	1.6	2
96	The Institute of Medicine: ensuring integrity and independence in scientific advice on health. Lancet, The, 2016, 387, 1686-1692.	13.7	1
97	Good gun policy needs research. Science, 2018, 359, 1195-1195.	12.6	1
98	Coordination Needed to Address Clinician Well-being and the Opioid Epidemic. JAMA - Journal of the American Medical Association, 2021, 325, 2341.	7.4	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 "Atherosclerosis 2005: Recent Discoveries and Novel Hypotheses" 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: Vaccines"Protecting Health and Saving Lives. Psychological Science in the Public Interest: A Journal of the American Psychological Society, 2017, 18, 147-148.	10.7	0
105	Clinician Burnout and Professional Well-being"Reply. JAMA - Journal of the American Medical Association, 2020, 323, 1318.	7.4	0
106	Should global financing be the main priority for pandemic preparedness? "Authors' reply. Lancet, The, 2021, 398, 388-389.	13.7	0
107	Cardiomyocyte specific overexpression of C3orf58 activates ER stress leading to impaired cardiac function. FASEB Journal, 2013, 27, 929.7.	0.5	0
108	Abstract 141: Histone Methyltransferase Setdb2 is important for miRNA mediated cardiac reprogramming. Circulation Research, 2013, 113, .	4.5	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