Daniel J Garry

List of Publications by Year
in descending order

131 papers	10,840 citations	50276 46 h-index	31849 101 g-index
136 all docs	136 docs citations	136 times ranked	12445 citing authors

#	Article	IF	Citations
1	Dystrophic Cardiomyopathy and the Need for Cardiovascular Care. Journal of Cardiac Failure, 2022, 28, 1040-1041.	1.7	1
2	Dystrophic cardiomyopathy and patients with muscular dystrophies. Journal of Cardiac Failure, 2022, , .	1.7	0
3	ETV2 functions as a pioneer factor to regulate and reprogram the endothelial lineage. Nature Cell Biology, 2022, 24, 672-684.	10.3	25
4	Single Nucleus Transcriptomics: Apical Resection in Newborn Pigs Extends the Time Window of Cardiomyocyte Proliferation and Myocardial Regeneration. Circulation, 2022, 145, 1744-1747.	1.6	11
5	Humanized skeletal muscle in MYF5/MYOD/MYF6-null pig embryos. Nature Biomedical Engineering, 2021, 5, 805-814.	22.5	31
6	Response to correspondence on â€œReproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluationâ€ Genome Biology, 2021, 22, 99.	8.8	4
7	Interspecies chimeras as a platform for exogenic organ production and transplantation. Experimental Biology and Medicine, 2021, 246, 1838-1844.	2.4	4
8	Biologically Derived, Three-Dimensional, Embryonic Scaffolds for Long-Term Cardiomyocyte Culture. Stem Cells and Development, 2021, 30, 697-704.	2.1	0
9	Cardiac Transplantation and the Use of Cannabis. Life, 2021, 11, 1063.	2.4	1
10	Basic and Translational Research in Cardiac Repair and Regeneration. Journal of the American College of Cardiology, 2021, 78, 2092-2105.	2.8	42
11	Hearts and Hands: the good, the bad, and the ugly. Cardiovascular Research, 2020, 116, 470-472.	3.8	0
12	Decoding DMD transcriptional networks using singleâ€nucleus RNA sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32192-32194.	7.1	1
13	Foxk1 regulates cancer progression. Annals of Translational Medicine, 2020, 8, 1041-1041.	1.7	5
14	ETV2 (Ets Variant Transcription Factor 2)- <i>Rhoj</i> Cascade Regulates Endothelial Progenitor Cell Migration During Embryogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2875-2890.	2.4	13
15	Successful Health Care Delivery Using Ambulatory Hospitalsâ€"Past, Present, and Future. American Journal of Medicine, 2020, 133, e539-e540.	1.5	2
16	Stem Cellâ€"Derived Cardiomyocytes and Beta-Adrenergic Receptor Blockade in Duchenne Muscular DystrophyÂCardiomyopathy. Journal of the American College of Cardiology, 2020, 75, 1159-1174.	2.8	44
17	<i>Abcg2</i> â€expressing side population cells contribute to cardiomyocyte renewal through fusion. FASEB Journal, 2020, 34, 5642-5657.	0.5	9
18	Generation of human endothelium in pig embryos deficient in ETV2. Nature Biotechnology, 2020, 38, 297-302.	17.5	74

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19	Chimeric Humanized Vasculature and Blood: The Intersection of Science and Ethics. Stem Cell Reports, 2020, 14, 538-540.	4.8	5
20	ETV2-null porcine embryos survive to post-implantation following incomplete enucleation. Reproduction, 2020, 159, 539-547.	2.6	3
21	Etv2 transcriptionally regulates Yes1 and promotes cell proliferation during embryogenesis. Scientific Reports, 2019, 9, 9736.	3.3	13
22	Pax3 cooperates with Ldb1 to direct local chromosome architecture during myogenic lineage specification. Nature Communications, 2019, 10, 2316.	12.8	28
23	Time-dependent Pax3-mediated chromatin remodeling and cooperation with Six4 and Tead2 specify the skeletal myogenic lineage in developing mesoderm. PLoS Biology, 2019, 17, e3000153.	5.6	23
24	Emerging Therapies for DystrophicÂCardiomyopathy. JACC Basic To Translational Science, 2019, 4, 792-794.	4.1	1
25	Interspecies Chimeras and the Generation of Humanized Organs. Circulation Research, 2019, 124, 23-25.	4.5	16
26	Gata6 restricts Isl1 to the posterior of nascent hindlimb buds through Isl1 cis-regulatory modules. Developmental Biology, 2018, 434, 74-83.	2.0	6
27	Loss of peroxiredoxin-2 exacerbates eccentric contraction-induced force loss in dystrophin-deficient muscle. Nature Communications, 2018, 9, 5104.	12.8	27
28	A conserved HH-Gli1-Mycn network regulates heart regeneration from newt to human. Nature Communications, 2018, 9, 4237.	12.8	57
29	Integrative effects of dystrophin loss on metabolic function of the mdx mouse. Scientific Reports, 2018, 8, 13624.	3.3	32
30	DrImpute: imputing dropout events in single cell RNA sequencing data. BMC Bioinformatics, 2018, 19, 220.	2.6	258
31	Hedgehog and Wnt Signaling Pathways Regulate Tail Regeneration. Stem Cells and Development, 2018, 27, 1426-1437.	2.1	28
32	TCM visualizes trajectories and cell populations from single cell data. Nature Communications, 2018, 9, 2749.	12.8	18
33	Dpath software reveals hierarchical haemato-endothelial lineages of Etv2 progenitors based on single-cell transcriptome analysis. Nature Communications, 2017, 8, 14362.	12.8	33
34	Pathologic Stimulus Determines Lineage Commitment of Cardiac C-kit ⁺ Cells. Circulation, 2017, 136, 2359-2372.	1.6	20
35	Etv2 as an essential regulator of mesodermal lineage development. Cardiovascular Research, 2017, 113, 1294-1306.	3.8	41
36	Overcoming the Roadblocks to Cardiac Cell Therapy Using Tissue Engineering. Journal of the American College of Cardiology, 2017, 70, 766-775.	2.8	82

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37	Etv2-miR-130a-Jarid2 cascade regulates vascular patterning during embryogenesis. PLoS ONE, 2017, 12, e0189010.	2.5	22
38	History of Cardiac Transplantation: Research, Discoveries, and Pioneers. , 2017, , 417-429.		1
39	Right Heart Failure. , 2017, , 161-173.		0
40	Dystrophin-Deficient Cardiomyopathy. Journal of the American College of Cardiology, 2016, 67, 2533-2546.	2.8	272
41	Cardiotoxin Induced Injury and Skeletal Muscle Regeneration. Methods in Molecular Biology, 2016, 1460, 61-71.	0.9	59
42	Endoglin integrates BMP and Wnt signalling to induce haematopoiesis through JDP2. Nature Communications, 2016, 7, 13101.	12.8	18
43	Lineage Reprogramming of Fibroblasts into Proliferative Induced Cardiac Progenitor Cells by Defined Factors. Cell Stem Cell, 2016, 18, 354-367.	11.1	165
44	Etv2 IS A MASTER REGULATOR OF HEMATOENDOTHELIAL LINEAGES. Transactions of the American Clinical and Climatological Association, 2016, 127, 212-223.	0.5	16
45	Feedback Mechanisms Regulate Ets Variant 2 (Etv2) Gene Expression and Hematoendothelial Lineages. Journal of Biological Chemistry, 2015, 290, 28107-28119.	3.4	38
46	The Etv2-miR-130a Network Regulates Mesodermal Specification. Cell Reports, 2015, 13, 915-923.	6.4	21
47	Hedgehog Signaling during Appendage Development and Regeneration. Genes, 2015, 6, 417-435.	2.4	26
48	Go to the Mattresses. Circulation Research, 2015, 117, 982-983.	4.5	0
49	Somatic Cell Therapy for Chronic Heart Failure: In Search of Mechanistic Insights. Journal of Cardiac Failure, 2015, 21, 583-585.	1.7	3
50	Kelch Repeat and BTB Domain Containing Protein 5 (Kbtbd5) Regulates Skeletal Muscle Myogenesis through the E2F1-DP1 Complex. Journal of Biological Chemistry, 2015, 290, 15350-15361.	3.4	16
51	Cardiomyopathy in a Dish: Using Human Inducible Pluripotent Stem Cells to Model Inherited Cardiomyopathies. Journal of Cardiac Failure, 2015, 21, 761-770.	1.7	28
52	The Transcription Factor Mesp1 Interacts with cAMP-responsive Element Binding Protein 1 (Creb1) and Coactivates Ets Variant 2 (Etv2) Gene Expression. Journal of Biological Chemistry, 2015, 290, 9614-9625.	3.4	27
53	Inferring dynamic gene regulatory networks in cardiac differentiation through the integration of multi-dimensional data. BMC Bioinformatics, 2015, 16, 74.	2.6	20
54	Lift NIH restrictions on chimera research. Science, 2015, 350, 640-640.	12.6	17

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55	Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes as a Model for Heart Development and Congenital Heart Disease. Stem Cell Reviews and Reports, 2015, 11, 710-727.	5.6	34
56	<i>Sox7</i>Is Regulated by ETV2 During Cardiovascular Development. Stem Cells and Development, 2014, 23, 2004-2013.	2.1	23
57	Acquisition of a Quantitative, Stoichiometrically Conserved Ratiometric Marker of Maturation Status in Stem Cell-Derived Cardiac Myocytes. Stem Cell Reports, 2014, 3, 594-605.	4.8	195
58	Cooperative interaction of Etv2 and Gata2 regulates the development of endothelial and hematopoietic lineages. Developmental Biology, 2014, 389, 208-218.	2.0	51
59	Kbtbd5 is regulated by MyoD and restricted to the myogenic lineage. Differentiation, 2013, 86, 184-191.	1.9	17
60	Patching the Heart. Circulation Research, 2013, 113, 922-932.	4.5	131
61	Nkx2-5 Mediates Differential Cardiac Differentiation Through Interaction with Hoxa10. Stem Cells and Development, 2013, 22, 2211-2220.	2.1	31
62	Mesp1 Patterns Mesoderm into Cardiac, Hematopoietic, or Skeletal Myogenic Progenitors in a Context-Dependent Manner. Cell Stem Cell, 2013, 12, 587-601.	11.1	157
63	Expression levels of endoglin distinctively identify hematopoietic and endothelial progeny at different stages of yolk sac hematopoiesis. Stem Cells, 2013, 31, 1893-1901.	3.2	18
64	Etv2 rescues <i>Flk1</i> mutant embryoid bodies. Genesis, 2013, 51, 471-480.	1.6	21
65	Foxk1 recruits the Sds3 complex and represses gene expression in myogenic progenitors. Biochemical Journal, 2012, 446, 349-357.	3.7	37
66	A critical role for endoglin in the emergence of blood during embryonic development. Blood, 2012, 119, 5417-5428.	1.4	36
67	Foxk1 promotes cell proliferation and represses myogenic differentiation by regulating Foxo4 and Mef2 factors. Journal of Cell Science, 2012, 125, 5329-37.	2.0	65
68	Hedgehog and Wnt coordinate signaling in myogenic progenitors and regulate limb regeneration. Developmental Biology, 2012, 371, 23-34.	2.0	52
69	VEGF/Flk1 Signaling Cascade Transactivates Etv2 Gene Expression. PLoS ONE, 2012, 7, e50103.	2.5	44
70	Etv2 Is Expressed in the Yolk Sac Hematopoietic and Endothelial Progenitors and Regulates <i>Lmo2</i> Gene Expression. Stem Cells, 2012, 30, 1611-1623.	3.2	65
71	Sin3 interacts with Foxk1 and regulates myogenic progenitors. Molecular and Cellular Biochemistry, 2012, 366, 251-258.	3.1	37
72	Innovations in Twenty-First Century Cardiovascular Medicine. , 2012, , 509-523.		2

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73	Getting to the Heart of Myocardial Stem Cells and Cell Therapy. Circulation, 2011, 123, 1771-1779.	1.6	43
74	ER71 directs mesodermal fate decisions during embryogenesis. Development (Cambridge), 2011, 138, 4801-4812.	2.5	98
75	Nkx2-5 Represses <i>Gata1</i> Gene Expression and Modulates the Cellular Fate of Cardiac Progenitors During Embryogenesis. Circulation, 2011, 123, 1633-1641.	1.6	48
76	Fhl2 Interacts with Foxk1 and Corepresses Foxo4 Activity in Myogenic Progenitors. Stem Cells, 2010, 28, 462-469.	3.2	33
77	Oxidative Stress Regulates Left Ventricular PDE5 Expression in the Failing Heart. Circulation, 2010, 121, 1474-1483.	1.6	149
78	Myogenic regulatory factors transactivate the <i>Tceal7</i> gene and modulate muscle differentiation. Biochemical Journal, 2010, 428, 213-221.	3.7	25
79	Clinical outcomes after cardiac transplantation in muscular dystrophy patients. Journal of Heart and Lung Transplantation, 2010, 29, 432-438.	0.6	86
80	Foxj3 transcriptionally activates Mef2c and regulates adult skeletal muscle fiber type identity. Developmental Biology, 2010, 337, 396-404.	2.0	29
81	Nkx2â€“5 transactivates the <i>Ets-related protein 71</i> gene and specifies an endothelial/endocardial fate in the developing embryo. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 814-819.	7.1	195
82	Calcineurin Activates Cytoglobin Transcription in Hypoxic Myocytes. Journal of Biological Chemistry, 2009, 284, 10409-10421.	3.4	30
83	Bone-Marrow-Derived Side Population Cells for Myocardial Regeneration. Journal of Cardiovascular Translational Research, 2009, 2, 173-181.	2.4	16
84	A Resuscitation of Bretylium?. American Journal of Therapeutics, 2009, 16, 480-481.	0.9	1
85	The Lillehei Heart Institute: Building on the Shoulders of Giants. Journal of Cardiovascular Translational Research, 2008, 1, 273-277.	2.4	1
86	Regenerative biology: a historical perspective and modern applications. Regenerative Medicine, 2008, 3, 63-82.	1.7	19
87	Hypoxia-Inducible Factor-2Î± Transactivates Abcg2 and Promotes Cytoprotection in Cardiac Side Population Cells. Circulation Research, 2008, 102, 1075-1081.	4.5	133
88	Cardiogenic small molecules that enhance myocardial repair by stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6063-6068.	7.1	114
89	Reparative myocardial mechanisms in adult C57BL/6 and MRL mice following injury. Physiological Genomics, 2007, 30, 44-52.	2.3	45
90	Sox15 and Fhl3 transcriptionally coactivate Foxk1 and regulate myogenic progenitor cells. EMBO Journal, 2007, 26, 1902-1912.	7.8	76

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91	Molecular Insights into the Functional Role of Myoglobin. Advances in Experimental Medicine and Biology, 2007, 618, 181-193.	1.6	24
92	Muscle stem cells in development, regeneration, and disease. Genes and Development, 2006, 20, 1692-1708.	5.9	456
93	A Common Progenitor at the Heart of Development. Cell, 2006, 127, 1101-1104.	28.9	156
94	Î±-Lipoic acid prevents lipotoxic cardiomyopathy in acyl CoA-synthase transgenic mice. Biochemical and Biophysical Research Communications, 2006, 344, 446-452.	2.1	69
95	Gene deletional strategies reveal novel physiological roles for myoglobin in striated muscle. Respiratory Physiology and Neurobiology, 2006, 151, 151-158.	1.6	16
96	Transcriptional Pathways Direct Cardiac Development and Regeneration. Trends in Cardiovascular Medicine, 2006, 16, 234-240.	4.9	19
97	Cytoglobin Is a Stress-responsive Hemoprotein Expressed in the Developing and Adult Brain. Journal of Histochemistry and Cytochemistry, 2006, 54, 1349-1361.	2.5	54
98	Molecular Signatures Define Myogenic Stem Cell Populations. Stem Cell Reviews and Reports, 2006, 2, 37-42.	5.6	3
99	Correction to: â€œAlternative Therapies for Orthotopic Heart Transplantationâ€. American Journal of the Medical Sciences, 2005, 330, 119.	1.1	0
100	Ponce de Leonâ€™s Fountain: Stem Cells and the Regenerating Heart. American Journal of the Medical Sciences, 2005, 329, 190-201.	1.1	6
101	Alternative Therapies for Orthotopic Heart Transplantation. American Journal of the Medical Sciences, 2005, 330, 88-101.	1.1	6
102	Inhibition of cardiac lipoprotein utilization by transgenic overexpression of Angptl4 in the heart. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1767-1772.	7.1	96
103	Identification of Direct Serum-response Factor Gene Targets during Me2SO-induced P19 Cardiac Cell Differentiation. Journal of Biological Chemistry, 2005, 280, 19115-19126.	3.4	74
104	LXRs regulate the balance between fat storage and oxidation. Cell Metabolism, 2005, 1, 231-244.	16.2	268
105	Stem cells and their derivatives can bypass the requirement of myocardin for smooth muscle gene expression. Developmental Biology, 2005, 288, 502-513.	2.0	49
106	Hyperleptinemia prevents lipotoxic cardiomyopathy in acyl CoA synthase transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13624-13629.	7.1	133
107	Myoglobin: an essential hemoprotein in striated muscle. Journal of Experimental Biology, 2004, 207, 3441-3446.	1.7	330
108	Transcriptional Regulation of Cardiac Progenitor Cell Populations. Circulation Research, 2004, 95, 389-397.	4.5	75

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109	Cardiac Regeneration. Circulation Research, 2004, 95, 852-854.	4.5	23
110	Cellular and Molecular Regulation of Skeletal Muscle Side Population Cells. Stem Cells, 2004, 22, 1305-1320.	3.2	98
111	Persistent expression of the ATP-binding cassette transporter, Abcg2, identifies cardiac SP cells in the developing and adult heart. Developmental Biology, 2004, 265, 262-275.	2.0	636
112	Emerging Roles for Myoglobin in the Heart. Trends in Cardiovascular Medicine, 2003, 13, 111-116.	4.9	61
113	RNA amplification and transcriptional profiling for analysis of stem cell populations. Genesis, 2003, 37, 57-63.	1.6	29
114	Neuroprotection and the role of neuroglobin. Lancet, The, 2003, 362, 342-343.	13.7	40
115	Cardiac progenitor cells from adult myocardium: Homing, differentiation, and fusion after infarction. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12313-12318.	7.1	1,652
116	Absence of p21CIP Rescues Myogenic Progenitor Cell Proliferative and Regenerative Capacity in Foxk1 Null Mice. Journal of Biological Chemistry, 2003, 278, 4015-4020.	3.4	68
117	Transcriptional profiling and regulation of the extracellular matrix during muscle regeneration. Physiological Genomics, 2003, 14, 261-271.	2.3	232
118	Stem cell biology and therapeutic applications. Current Opinion in Nephrology and Hypertension, 2003, 12, 447-454.	2.0	11
119	Neuroglobin, A Novel Member of the Globin Family, Is Expressed in Focal Regions of the Brain. Journal of Histochemistry and Cytochemistry, 2002, 50, 1591-1598.	2.5	120
120	Myogenic satellite cells: physiology to molecular biology. Journal of Applied Physiology, 2001, 91, 534-551.	2.5	1,359
121	Adaptive Mechanisms That Preserve Cardiac Function in Mice Without Myoglobin. Circulation Research, 2001, 88, 713-720.	4.5	86
122	The winged-helix/forkhead protein myocyte nuclear factor Î² (MNF-Î²) forms a co-repressor complex with mammalian Sin3B. Biochemical Journal, 2000, 345, 335.	3.7	39
123	The winged-helix/forkhead protein myocyte nuclear factor Î² (MNF-Î²) forms a co-repressor complex with mammalian Sin3B. Biochemical Journal, 2000, 345, 335-343.	3.7	62
124	Mice without myoglobin. Nature, 1998, 395, 905-908.	27.8	270
125	Differential Expression of Mitochondrial DNA Replication Factors in Mammalian Tissues. Journal of Biological Chemistry, 1998, 273, 3447-3451.	3.4	87
126	Persistent Expression of MNF Identifies Myogenic Stem Cells in Postnatal Muscles. Developmental Biology, 1997, 188, 280-294.	2.0	127

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127	Postnatal development and plasticity of specialized muscle fiber characteristics in the hindlimb. Genesis, 1996, 19, 146-156.	2.1	54
128	Are There Really Alternatives to the Use of Fetal Tissue from Elective Abortions in Transplantation Research?. New England Journal of Medicine, 1992, 327, 1592-1595.	27.0	24
129	Epidermolysis bullosa acquisita induced by GM-CSF: a role for eosinophils in treatment-related toxicity. British Journal of Haematology, 1992, 81, 27-32.	2.5	24
130	Ultrastructural immunocytochemical localization of l-glutamate decarboxylase and GABA in rat pancreatic zymogen granules. Cell and Tissue Research, 1988, 252, 191-7.	2.9	13
131	Radioimmunoassay for Rat Pancreatic a-Amylase and the Effect of Phe-Met-Arg-Phe-Amide on Amylase Secretion in the Isolated Perfused Rat Pancreas. Pancreas, 1988, 3, 551-558.	1.1	3