

Jeffrey T Wigle

List of Publications by Year in descending order

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54
papers

4,214
citations

279798

23
h-index

243625

44
g-index

55
all docs

55
docs citations

55
times ranked

4712
citing authors

#	ARTICLE	IF	CITATIONS
1	Prox1 Function Is Required for the Development of the Murine Lymphatic System. <i>Cell</i> , 1999, 98, 769-778.	28.9	1,401
2	An essential role for Prox1 in the induction of the lymphatic endothelial cell phenotype. <i>EMBO Journal</i> , 2002, 21, 1505-1513.	7.8	783
3	Prox1 function is crucial for mouse lens-fibre elongation. <i>Nature Genetics</i> , 1999, 21, 318-322.	21.4	393
4	Hepatocyte migration during liver development requires Prox1. <i>Nature Genetics</i> , 2000, 25, 254-255.	21.4	352
5	Extracellular K ⁺ concentration controls cell surface density of IKr in rabbit hearts and of the HERG channel in human cell lines. <i>Journal of Clinical Investigation</i> , 2009, 119, 2745-2757.	8.2	132
6	Effects of dietary flaxseed on vascular contractile function and atherosclerosis during prolonged hypercholesterolemia in rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H2987-H2996.	3.2	88
7	Dlx Homeobox Genes Promote Cortical Interneuron Migration from the Basal Forebrain by Direct Repression of the Semaphorin Receptor Neuropilin-2. <i>Journal of Biological Chemistry</i> , 2007, 282, 19071-19081.	3.4	66
8	Adipokines and the cardiovascular system: mechanisms mediating health and disease. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 1029-1059.	1.4	61
9	The role of homeobox genes in retinal development and disease. <i>Developmental Biology</i> , 2014, 393, 195-208.	2.0	55
10	High Molecular Weight Fibroblast Growth Factor-2 in the Human Heart Is a Potential Target for Prevention of Cardiac Remodeling. <i>PLoS ONE</i> , 2014, 9, e97281.	2.5	54
11	Resveratrol prevents norepinephrine induced hypertrophy in adult rat cardiomyocytes, by activating NO-AMPK pathway. <i>European Journal of Pharmacology</i> , 2011, 668, 217-224.	3.5	52
12	Inhibition of autophagy inhibits the conversion of cardiac fibroblasts to cardiac myofibroblasts. <i>Oncotarget</i> , 2016, 7, 78516-78531.	1.8	52
13	Mechanisms of MEOX1 and MEOX2 Regulation of the Cyclin Dependent Kinase Inhibitors p21CIP1/WAF1 and p16INK4a in Vascular Endothelial Cells. <i>PLoS ONE</i> , 2011, 6, e29099.	2.5	49
14	The Ski/Zeb2/Meox2 pathway provides a novel mechanism for regulation of the cardiac myofibroblast phenotype. <i>Journal of Cell Science</i> , 2014, 127, 40-9.	2.0	41
15	Characterization of the inhibitory effect of an extract of <i>Prunella vulgaris</i> on Ebola virus glycoprotein (GP)-mediated virus entry and infection. <i>Antiviral Research</i> , 2016, 127, 20-31.	4.1	41
16	TGF β ¹ regulates Scleraxis expression in primary cardiac myofibroblasts by a Smad-independent mechanism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H239-H249.	3.2	40
17	Regulation of Dihydropyridine and Ryanodine Receptor Gene Expression in Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 1995, 270, 25837-25844.	3.4	38
18	Homeobox genes in vertebrate forebrain development and disease. <i>Clinical Genetics</i> , 2008, 73, 212-226.	2.0	38

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19	Alternative Splicing in Intracellular Loop Connecting Domains II and III of the β_1 Subunit of Cav1.2 Ca ²⁺ Channels Predicts Two-domain Polypeptides with Unique C-terminal Tails. <i>Journal of Biological Chemistry</i> , 2001, 276, 1398-1406.	3.4	31
20	Alternative Splicing, Expression, and Genomic Structure of the 3' UTR Region of the Gene Encoding the Sarcolemmal-associated Proteins (SLAPs) Defines a Novel Class of Coiled-coil Tail-anchored Membrane Proteins. <i>Journal of Biological Chemistry</i> , 2000, 275, 38474-38481.	3.4	27
21	Role of scleraxis in mechanical stretch-mediated regulation of cardiac myofibroblast phenotype. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 311, C297-C307.	4.6	27
22	Molecular Cloning, Expression, and Chromosomal Assignment of Sarcolemmal-associated Proteins. <i>Journal of Biological Chemistry</i> , 1997, 272, 32384-32392.	3.4	26
23	Conjugated linoleic acid improves blood pressure by increasing adiponectin and endothelial nitric oxide synthase activity. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 487-493.	4.2	25
24	Regulated expression and temporal induction of the tail-anchored sarcolemmal-membrane-associated protein is critical for myoblast fusion. <i>Biochemical Journal</i> , 2004, 381, 599-608.	3.7	24
25	Regulation of <i>Brn3b</i> by <i>Dlx1</i> and <i>Dlx2</i> is required for retinal ganglion cell differentiation in the vertebrate retina. <i>Development (Cambridge)</i> , 2017, 144, 1698-1711.	2.5	24
26	Characterization of Mesenchyme Homeobox 2 (MEOX2) transcription factor binding to RING finger protein 10. <i>Molecular and Cellular Biochemistry</i> , 2005, 275, 75-84.	3.1	22
27	A Comprehensive Analysis of the Efficacy of Resveratrol in Atherosclerotic Cardiovascular Disease, Myocardial Infarction and Heart Failure. <i>Molecules</i> , 2021, 26, 6600.	3.8	22
28	Vascular senescence and ageing: a role for the MEOX proteins in promoting endothelial dysfunction. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 1067-1077.	1.4	21
29	<i>Dlx2</i> homeobox gene transcriptional regulation of <i>Trkb</i> neurotrophin receptor expression during mouse retinal development. <i>Nucleic Acids Research</i> , 2008, 36, 872-884.	14.5	20
30	Cyanidin 3-O-glucoside prevents the development of maladaptive cardiac hypertrophy and diastolic heart dysfunction in 20-week-old spontaneously hypertensive rats. <i>Food and Function</i> , 2018, 9, 3466-3480.	4.6	20
31	Regulation and function of homeodomain proteins in the embryonic and adult vascular systems This paper is one of a selection of papers published in this Special Issue, entitled Young Investigators' Forum.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2007, 85, 55-65.	1.4	19
32	Intracellular K ⁺ Is Required for the Inactivation-Induced High-Affinity Binding of Cisapride to HERG Channels. <i>Molecular Pharmacology</i> , 2005, 68, 855-865.	2.3	18
33	Regulation of cardiac fibroblast MMP2 gene expression by scleraxis. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 120, 64-73.	1.9	18
34	Regulation of scleraxis transcriptional activity by serine phosphorylation. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 92, 140-148.	1.9	15
35	Effects of cyanidin 3-O-glucoside on cardiac structure and function in an animal model of myocardial infarction. <i>Food and Function</i> , 2017, 8, 4089-4099.	4.6	15
36	Are the cardioprotective effects of the phytoestrogen resveratrol sex-dependent?. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 503-514.	1.4	14

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37	Genetic Regulation of Vertebrate Forebrain Development by Homeobox Genes. <i>Frontiers in Neuroscience</i> , 2022, 16, 843794.	2.8	14
38	Regulation of the lymphatic endothelial cell cycle by the PROX1 homeodomain protein. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 201-212.	4.1	13
39	Myocardial Cell Signaling During the Transition to Heart Failure. , 2018, 9, 75-125.		12
40	Comparative and Combinatorial Effects of Resveratrol and Sacubitril/Valsartan alongside Valsartan on Cardiac Remodeling and Dysfunction in MI-Induced Rats. <i>Molecules</i> , 2021, 26, 5006.	3.8	11
41	The Functional Role of Zinc Finger E Box-Binding Homeobox 2 (Zeb2) in Promoting Cardiac Fibroblast Activation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3207.	4.1	10
42	Defects in ryanodine receptor function are associated with systolic dysfunction in rats subjected to volume overload. <i>Experimental Physiology</i> , 2010, 95, 869-879.	2.0	9
43	A comparison of adenovirally delivered molecular methods to inhibit Na ⁺ /Ca ²⁺ exchange. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 43, 49-53.	1.9	8
44	Resveratrol prevents palmitic-acid-induced cardiomyocyte contractile impairment. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 1132-1140.	1.4	7
45	Divergent Effects of Resveratrol on Rat Cardiac Fibroblasts and Cardiomyocytes. <i>Molecules</i> , 2019, 24, 2604.	3.8	5
46	Common Signaling Pathways Used During Development. , 2013, , 503-515.		1
47	Control of the Mesenchymal-Derived Cell Phenotype by Ski and Meox2: A Putative Mechanism for Postdevelopmental Phenoconversion. , 2011, , 29-42.		0
48	Preface to: Scientific Basis for Heart Health and Care (Winnipeg Heart International Conference). <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, v-v.	1.4	0
49	PROX1 regulation of endothelial cell cycle progression. <i>FASEB Journal</i> , 2009, 23, 660.5.	0.5	0
50	câ€6ki upregulation of Meox2 diminishes cardiac myofibroblast phenotype. <i>FASEB Journal</i> , 2011, 25, 1032.1.	0.5	0
51	The Ski-Zeb2-Meox2 pathway provides a novel mechanism for regulation of the cardiac myofibroblast phenotype. <i>Development (Cambridge)</i> , 2014, 141, e307-e307.	2.5	0
52	Cardiac Fibrosis and Heart Failureâ€”Cause or Effect?. , 2015, , 1-4.		0
53	Diverse Cellular Origins of Cardiac Fibroblasts. , 2015, , 125-145.		0
54	Obesity and Cardiovascular Disease: Impact of Resveratrol as a Therapeutic. , 2020, , 283-305.		0