

Ian M C Dixon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4197864/publications.pdf>

Version: 2024-02-01

104
papers

4,128
citations

94433

37
h-index

114465

63
g-index

108
all docs

108
docs citations

108
times ranked

4711
citing authors

#	ARTICLE	IF	CITATIONS
1	Excessive Tumor Necrosis Factor Activation After Infarction Contributes to Susceptibility of Myocardial Rupture and Left Ventricular Dysfunction. <i>Circulation</i> , 2004, 110, 3221-3228.	1.6	242
2	Cardiac fibroblast to myofibroblast differentiation in vivo and in vitro: Expression of focal adhesion components in neonatal and adult rat ventricular myofibroblasts. <i>Developmental Dynamics</i> , 2010, 239, 1573-1584.	1.8	226
3	Elevation of Expression of Smads 2, 3, and 4, Decorin and TGF- β 2 in the Chronic Phase of Myocardial Infarct Scar Healing. <i>Journal of Molecular and Cellular Cardiology</i> , 1999, 31, 667-678.	1.9	218
4	K ⁺ currents regulate the resting membrane potential, proliferation, and contractile responses in ventricular fibroblasts and myofibroblasts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2931-H2939.	3.2	193
5	Autophagy is a regulator of TGF- β 1-induced fibrogenesis in primary human atrial myofibroblasts. <i>Cell Death and Disease</i> , 2015, 6, e1696-e1696.	6.3	166
6	Interaction between angiotensin II and Smad proteins in fibroblasts in failing heart and in vitro. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H3020-H3030.	3.2	148
7	Role of extracellular matrix proteins in heart function. <i>Molecular and Cellular Biochemistry</i> , 1993, 129, 101-120.	3.1	142
8	Decreased Smad 7 expression contributes to cardiac fibrosis in the infarcted rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H1685-H1696.	3.2	134
9	The basic helix-loop-helix transcription factor scleraxis regulates fibroblast collagen synthesis. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 47, 188-195.	1.9	106
10	Apoptosis, autophagy and ER stress in mevalonate cascade inhibition-induced cell death of human atrial fibroblasts. <i>Cell Death and Disease</i> , 2012, 3, e330-e330.	6.3	104
11	Periostin in cardiovascular disease and development: a tale of two distinct roles. <i>Basic Research in Cardiology</i> , 2018, 113, 1.	5.9	101
12	Autophagy and the unfolded protein response promote profibrotic effects of TGF- β 1 in human lung fibroblasts. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L493-L504.	2.9	100
13	Modification of the extracellular matrix following myocardial infarction monitored by FTIR spectroscopy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1996, 1315, 73-77.	3.8	99
14	Expression of G α and PLC- β 2 in Scar and Border Tissue in Heart Failure Due to Myocardial Infarction. <i>Circulation</i> , 1998, 97, 892-899.	1.6	92
15	Acute protection of ischemic heart by FGF-2: involvement of FGF-2 receptors and protein kinase C. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H1071-H1080.	3.2	80
16	Emerging evidence for the role of cardiotrophin-1 in cardiac repair in the infarcted heart. <i>Cardiovascular Research</i> , 2005, 65, 782-792.	3.8	74
17	Regulation of collagen synthesis by inhibitory Smad7 in cardiac myofibroblasts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1282-H1290.	3.2	69
18	Effect of ramipril and losartan on collagen expression in right and left heart after myocardial infarction. <i>Molecular and Cellular Biochemistry</i> , 1996, 165, 31-45.	3.1	66

#	ARTICLE	IF	CITATIONS
19	Cardiac Collagen Remodeling in the Cardiomyopathic Syrian Hamster and the Effect of Losartan. <i>Journal of Molecular and Cellular Cardiology</i> , 1997, 29, 1837-1850.	1.9	66
20	High- but not low-molecular weight FGF-2 causes cardiac hypertrophy in vivo; possible involvement of cardiotrophin-1. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, 222-233.	1.9	66
21	Cardiotrophin-1: expression in experimental myocardial infarction and potential role in post-MI wound healing. <i>Molecular and Cellular Biochemistry</i> , 2003, 254, 247-256.	3.1	62
22	Fourier transform infrared evaluation of microscopic scarring in the cardiomyopathic heart: Effect of chronic AT1 suppression. <i>Analytical Biochemistry</i> , 2003, 316, 232-242.	2.4	59
23	Assessment of donor heart viability during ex vivo heart perfusion. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 893-901.	1.4	58
24	Physiologic Changes in the Heart Following Cessation of Mechanical Ventilation in a Porcine Model of Donation After Circulatory Death: Implications for Cardiac Transplantation. <i>American Journal of Transplantation</i> , 2016, 16, 783-793.	4.7	57
25	Distribution of Collagen Deposition in Cardiomyopathic Hamster Hearts Determined by Infrared Microscopy. <i>Cardiovascular Pathology</i> , 1999, 8, 41-47.	1.6	54
26	Antifibrotic properties of c-Ski and its regulation of cardiac myofibroblast phenotype and contractility. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C176-C186.	4.6	53
27	Inhibition of autophagy inhibits the conversion of cardiac fibroblasts to cardiac myofibroblasts. <i>Oncotarget</i> , 2016, 7, 78516-78531.	1.8	52
28	Reprogramming and Carcinogenesis—Parallels and Distinctions. <i>International Review of Cell and Molecular Biology</i> , 2014, 308, 167-203.	3.2	48
29	Autophagy and Heart Disease: Implications for Cardiac Ischemia- Reperfusion Damage. <i>Current Molecular Medicine</i> , 2014, 14, 616-629.	1.3	45
30	Increased expression and cell surface localization of MT1-MMP plays a role in stimulation of MMP-2 activity by leptin in neonatal rat cardiac myofibroblasts. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 874-881.	1.9	43
31	Alteration of collagenous protein profile in congestive heart failure secondary to myocardial infarction. <i>Molecular and Cellular Biochemistry</i> , 1993, 129, 121-131.	3.1	42
32	Effect of chronic AT1 receptor blockade on cardiac Smad overexpression in hereditary cardiomyopathic hamsters. <i>Cardiovascular Research</i> , 2000, 46, 286-297.	3.8	42
33	The participation of the Na ⁺ -Ca ²⁺ exchanger in primary cardiac myofibroblast migration, contraction, and proliferation. <i>Journal of Cellular Physiology</i> , 2007, 213, 540-551.	4.1	41
34	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
35	Sequence of alterations in subcellular organelles during the development of heart dysfunction in diabetes. <i>Diabetes Research and Clinical Practice</i> , 1996, 30, S113-S122.	2.8	40
36	c-Ski, Smurf2, and Arkadia as regulators of TGF- β 2 signaling: new targets for managing myofibroblast function and cardiac fibrosisThis article is one of a selection of papers published in a special issue celebrating the 125th anniversary of the Faculty of Medicine at the University of Manitoba.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 764-772.	1.4	40

#	ARTICLE	IF	CITATIONS
37	TGF β ² regulates Scleraxis expression in primary cardiac myofibroblasts by a Smad-independent mechanism. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H239-H249.	3.2	40
38	Autophagy regulates trans fatty acid-mediated apoptosis in primary cardiac myofibroblasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 2274-2286.	4.1	39
39	An Improved Method of Maintaining Primary Murine Cardiac Fibroblasts in Two-Dimensional Cell Culture. Scientific Reports, 2019, 9, 12889.	3.3	39
40	Antiproliferative and antifibrotic effects of mimosine on adult cardiac fibroblasts1Previously published in abstract form: Circulation 94(8) (1996) 1355.1. Biochimica Et Biophysica Acta - Molecular Cell Research, 1998, 1448, 51-60.	4.1	38
41	Induction of protein synthesis in cardiac fibroblasts by cardiotrophin-1: integration of multiple signaling pathways. Cardiovascular Research, 2003, 60, 365-375.	3.8	38
42	Myocardin regulates mitochondrial calcium homeostasis and prevents permeability transition. Cell Death and Differentiation, 2018, 25, 1732-1748.	11.2	38
43	Title is missing!. Molecular and Cellular Biochemistry, 1998, 188, 91-101.	3.1	37
44	Impact of Reperfusion Calcium and pH on the Resuscitation of Hearts Donated After Circulatory Death. Annals of Thoracic Surgery, 2017, 103, 122-130.	1.3	36
45	SnoN as a novel negative regulator of TGF- β ² /Smad signaling: a target for tailoring organ fibrosis. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H75-H82.	3.2	34
46	Regulation of cardiac sarcolemmal Ca ²⁺ channels and Ca ²⁺ transporters by thyroid hormone. Molecular and Cellular Biochemistry, 1993, 129, 145-159.	3.1	33
47	Differential and combined effects of cardiotrophin-1 and TGF- β ² 1 on cardiac myofibroblast proliferation and contraction. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H1053-H1064.	3.2	33
48	Structural organization of the human cardiac β -myosin heavy chain gene (MYH6). Genomics, 1993, 18, 505-509.	2.9	31
49	Avoidance of Profound Hypothermia During Initial Reperfusion Improves the Functional Recovery of Hearts Donated After Circulatory Death. American Journal of Transplantation, 2016, 16, 773-782.	4.7	31
50	Differential changes in cardiac myofibrillar and sarcoplasmic reticular gene expression in alloxan-induced diabetes. Molecular and Cellular Biochemistry, 1999, 200, 15-25.	3.1	30
51	Restraining acute infarct expansion decreases collagenase activity in borderzone myocardium. Annals of Thoracic Surgery, 2001, 72, 1950-1956.	1.3	29
52	Role of myosin light chain kinase in cardiotrophin-1-induced cardiac myofibroblast cell migration. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H514-H522.	3.2	28
53	Differential Alterations in Left and Right Ventricular G-Proteins in Congestive Heart Failure due to Myocardial Infarction. Journal of Molecular and Cellular Cardiology, 1998, 30, 2153-2163.	1.9	26
54	Steroids Limit Myocardial Edema During Ex Vivo Perfusion of Hearts Donated After Circulatory Death. Annals of Thoracic Surgery, 2018, 105, 1763-1770.	1.3	26

#	ARTICLE	IF	CITATIONS
55	Human mesenchymal stem cells express a myofibroblastic phenotype in vitro: comparison to human cardiac myofibroblasts. <i>Molecular and Cellular Biochemistry</i> , 2014, 392, 187-204.	3.1	23
56	Periostin Reexpression in Heart Disease Contributes to Cardiac Interstitial Remodeling by Supporting the Cardiac Myofibroblast Phenotype. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1132, 35-41.	1.6	20
57	SKI activates the Hippo pathway via LIMD1 to inhibit cardiac fibroblast activation. <i>Basic Research in Cardiology</i> , 2021, 116, 25.	5.9	20
58	Effect of angiotensin II on myocardial collagen gene expression. <i>Molecular and Cellular Biochemistry</i> , 1996, 163-164, 231-237.	3.1	19
59	Chronic expression of Ski induces apoptosis and represses autophagy in cardiac myofibroblasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1261-1268.	4.1	18
60	Regulation of cardiac fibroblast MMP2 gene expression by scleraxis. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 120, 64-73.	1.9	18
61	Novel factors that activate and deactivate cardiac fibroblasts: A new perspective for treatment of cardiac fibrosis. <i>Wound Repair and Regeneration</i> , 2021, 29, 667-677.	3.0	14
62	Myocardial Cell Signaling During the Transition to Heart Failure. , 2018, 9, 75-125.		12
63	Ski drives an acute increase in MMP-9 gene expression and release in primary cardiac myofibroblasts. <i>Physiological Reports</i> , 2018, 6, e13897.	1.7	10
64	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
65	Fibroblast mechanosensing, SKI and Hippo signaling and the cardiac fibroblast phenotype: Looking beyond TGF- β 2. <i>Cellular Signalling</i> , 2020, 76, 109802.	3.6	10
66	Boundary conditions and boundary layers for a multi-dimensional relaxation model. <i>Journal of Differential Equations</i> , 2004, 197, 85-117.	2.2	9
67	Collagen remodeling in the extracellular matrix of the cardiomyopathic Syrian hamster heart as assessed by FTIR attenuated total reflectance spectroscopy. <i>Canadian Journal of Chemistry</i> , 1999, 77, 1843-1855.	1.1	8
68	The Soluble Interleukin 6 Receptor Takes Its Place in the Pantheon of Interleukin 6 Signaling Proteins. <i>Hypertension</i> , 2010, 56, 193-195.	2.7	8
69	Title is missing!. <i>Heart Failure Reviews</i> , 1997, 2, 107-116.	3.9	7
70	Mast Cells and Cardiac Fibroblasts. <i>Hypertension</i> , 2011, 58, 142-144.	2.7	7
71	Misoprostol treatment prevents hypoxia-induced cardiac dysfunction through a 14-3-3 and PKA regulatory motif on Bnip3. <i>Cell Death and Disease</i> , 2021, 12, 1105.	6.3	7
72	A High-Lipid Diet Potentiates Left Ventricular Dysfunction in Nitric Oxide Synthase 3-Deficient Mice after Chronic Pressure Overload. , <i>Journal of Nutrition</i> , 2010, 140, 1438-1444.	2.9	5

#	ARTICLE	IF	CITATIONS
73	Help from within: cardioprotective properties of hepatocyte growth factor. Cardiovascular Research, 2001, 51, 4-6.	3.8	4
74	Fibroblasts are coupled to myocytes in heart muscle by nanotubes: a bigger and better syncytium?. Cardiovascular Research, 2011, 92, 5-6.	3.8	4
75	Cardiac myofibroblasts: cells out of balance. A new thematic series. Fibrogenesis and Tissue Repair, 2012, 5, 14.	3.4	4
76	Cardiac Extracellular Matrix and its Role in the Development of Heart Failure. Developments in Cardiovascular Medicine, 1995, , 75-90.	0.1	3
77	A new altruist on the block: effects of adrenomedullin after myocardial infarction. Cardiovascular Research, 2002, 56, 347-349.	3.8	2
78	Gender Dependency in the Pathogenesis of Cardiac Hypertrophy. Hypertension, 2004, 44, 392-393.	2.7	2
79	Much ado about bone marrow stem cells: Role in post-myocardial infarct repair. Cardiovascular Research, 2006, 71, 609-611.	3.8	2
80	The Role of Angiotensin II in Post-Translational Regulation of Fibrillar Collagens in Fibrosed and Failing Rat Heart. Progress in Experimental Cardiology, 1998, , 471-498.	0.0	2
81	Experimental Models of MMP Activation: Ventricular Volume Overload. , 2005, , 253-271.		1
82	Soft Substrate Culture to Mechanically Control Cardiac Myofibroblast Activation. Methods in Molecular Biology, 2021, 2299, 171-179.	0.9	1
83	Tissue non-specific alkaline phosphatase (TNAP): A player in post-MI cardiac fibrosis. EBioMedicine, 2021, 68, 103430.	6.1	1
84	Regulatory Role of TGF- β 2 in Cardiac Myofibroblast Function and Post-MI Cardiac Fibrosis: Key Roles of Smad7 and c-Ski. , 2008, , 249-266.		1
85	Working with what we have: Options for myocardial infarct repair?. Cardiovascular Research, 2007, 76, 377-378.	3.8	0
86	p42/p44 ERK modulates TGF- β 21-mediated phosphorylation and translocation in cardiac myofibroblasts. Journal of Molecular and Cellular Cardiology, 2007, 42, S51.	1.9	0
87	Retroviral c-Ski overexpression attenuates procollagen type I synthesis in primary cardiac myofibroblasts. Journal of Molecular and Cellular Cardiology, 2007, 42, S75.	1.9	0
88	Invited Commentary. Annals of Thoracic Surgery, 2009, 88, 1921-1922.	1.3	0
89	Control of the Mesenchymal-Derived Cell Phenotype by Ski and Meox2: A Putative Mechanism for Postdevelopmental Phenoconversion. , 2011, , 29-42.		0
90	Proximity-Labeling by BioID Reveals Pleiotropic Ski Interactome. Journal of Molecular and Cellular Cardiology, 2018, 124, 124.	1.9	0

#	ARTICLE	IF	CITATIONS
91	Activated TGF β 2 Signaling in the Heart After Myocardial Infarction. Progress in Experimental Cardiology, 2000, , 303-320.	0.0	0
92	Cardiac Fibrosis During the Development of Heart Failure: New Insights into Smad Involvement. Progress in Experimental Cardiology, 2002, , 83-101.	0.0	0
93	Smad Cofactors/Corepressors in the Fibrosed Post-MI Heart: Possible Therapeutic Targets. Progress in Experimental Cardiology, 2004, , 485-511.	0.0	0
94	c-Ski upregulation of Meox2 diminishes cardiac myofibroblast phenotype. FASEB Journal, 2011, 25, 1032.1.	0.5	0
95	miR-1 and miR-301a Overexpression Impairs Collagen Gel Contraction in Human Mesenchymal Stem Cells. FASEB Journal, 2012, 26, 1b681.	0.5	0
96	Transferrin-mediated apoptosis is regulated by autophagy in primary cardiac myofibroblasts. FASEB Journal, 2012, 26, .	0.5	0
97	Autophagy in phenoconversion of differentiated and undifferentiated fibroblasts. FASEB Journal, 2013, 27, 1129.14.	0.5	0
98	The Ski-Zeb2-Meox2 pathway provides a novel mechanism for regulation of the cardiac myofibroblast phenotype. Development (Cambridge), 2014, 141, e307-e307.	2.5	0
99	Collagenous Proteins in Scar Tissue Subsequent to Myocardial Infarction. Developments in Cardiovascular Medicine, 1996, , 401-414.	0.1	0
100	Cardiac sarcolemmal Na ⁺ -Ca ²⁺ exchange and Na ⁺ -K ⁺ ATPase activities and gene expression in alloxan-induced diabetes in rats. , 1998, , 91-101.		0
101	Cardiac Fibrosis and Heart Failure—Cause or Effect?. , 2015, , 1-4.		0
102	Non-Canonical Regulation of TGF- β 1 Signaling: A Role for Ski/Sno and YAP/TAZ. , 2015, , 147-165.		0
103	Ski Modulates Myofibroblast Motility via Downregulation of MMP2 and Paxillin. FASEB Journal, 2015, 29, LB579.	0.5	0
104	Proximity Labeling by BioID Reveals Pleiotropic Role of Ski in Cardiac Fibrosis. FASEB Journal, 2019, 33, .	0.5	0