

Mathias Mericskay

List of Publications by Year in descending order

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55
papers

4,387
citations

147786

31
h-index

161844

54
g-index

58
all docs

58
docs citations

58
times ranked

6162
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Notch3</i> is required for arterial identity and maturation of vascular smooth muscle cells. <i>Genes and Development</i> , 2004, 18, 2730-2735.	5.9	449
2	SDF-1 \pm /CXCR4 Axis Is Instrumental in Neointimal Hyperplasia and Recruitment of Smooth Muscle Progenitor Cells. <i>Circulation Research</i> , 2005, 96, 784-791.	4.5	345
3	Desmin Is Essential for the Tensile Strength and Integrity of Myofibrils but Not for Myogenic Commitment, Differentiation, and Fusion of Skeletal Muscle. <i>Journal of Cell Biology</i> , 1997, 139, 129-144.	5.2	318
4	Cardiovascular Lesions and Skeletal Myopathy in Mice Lacking Desmin. <i>Developmental Biology</i> , 1996, 175, 362-366.	2.0	317
5	Nicotinamide Riboside Preserves Cardiac Function in a Mouse Model of Dilated Cardiomyopathy. <i>Circulation</i> , 2018, 137, 2256-2273.	1.6	235
6	Mitochondria: a central target for sex differences in pathologies. <i>Clinical Science</i> , 2017, 131, 803-822.	4.3	231
7	Wnt5a is required for proper epithelial-mesenchymal interactions in the uterus. <i>Development (Cambridge)</i> , 2004, 131, 2061-2072.	2.5	216
8	A Crucial Role for Pax3 in the Development of the Hypaxial Musculature and the Long-Range Migration of Muscle Precursors. <i>Developmental Biology</i> , 1998, 203, 49-61.	2.0	202
9	Null Mutation in the Desmin Gene Gives Rise to a Cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 1997, 29, 2107-2124.	1.9	184
10	N-terminal stretch Arg2, Arg3, Arg4 and Arg5 of human lactoferrin is essential for binding to heparin, bacterial lipopolysaccharide, human lysozyme and DNA. <i>Biochemical Journal</i> , 1997, 328, 145-151.	3.7	180
11	Temporally Controlled Onset of Dilated Cardiomyopathy Through Disruption of the SRF Gene in Adult Heart. <i>Circulation</i> , 2005, 112, 2930-2939.	1.6	151
12	Aerobic Exercise and Pharmacological Treatments Counteract Cachexia by Modulating Autophagy in Colon Cancer. <i>Scientific Reports</i> , 2016, 6, 26991.	3.3	145
13	Study of regulation of mitochondrial respiration in vivo. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997, 1322, 41-59.	1.0	115
14	CTIP2 is a negative regulator of P-TEFb. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12655-12660.	7.1	86
15	Serum Response Factor Is Required for Sprouting Angiogenesis and Vascular Integrity. <i>Developmental Cell</i> , 2008, 15, 448-461.	7.0	75
16	The Receptor Tyrosine Kinase Regulator Sprouty1 Is a Target of the Tumor Suppressor WT1 and Important for Kidney Development. <i>Journal of Biological Chemistry</i> , 2003, 278, 41420-41430.	3.4	72
17	Nicotinamide riboside, a form of vitamin B ₃ , protects against excitotoxicity-induced axonal degeneration. <i>FASEB Journal</i> , 2017, 31, 5440-5452.	0.5	70
18	SRF selectively controls tip cell invasive behavior in angiogenesis. <i>Development (Cambridge)</i> , 2013, 140, 2321-2333.	2.5	59

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19	The Oxygen Paradox, the French Paradox, and age-related diseases. <i>GeroScience</i> , 2017, 39, 499-550.	4.6	59
20	Hearts from mice lacking desmin have a myopathy with impaired active force generation and unaltered wall compliance. <i>Cardiovascular Research</i> , 2002, 53, 439-450.	3.8	57
21	Muscle Creatine Kinase Deficiency Triggers Both Actin Depolymerization and Desmin Disorganization by Advanced Glycation End Products in Dilated Cardiomyopathy. <i>Journal of Biological Chemistry</i> , 2011, 286, 35007-35019.	3.4	54
22	Nicotinamide adenine dinucleotide homeostasis and signalling in heart disease: Pathophysiological implications and therapeutic potential. <i>Archives of Cardiovascular Diseases</i> , 2016, 109, 207-215.	1.6	53
23	Inducible Mouse Model of Chronic Intestinal Pseudo-Obstruction by Smooth Muscle-Specific Inactivation of the SRF Gene. <i>Gastroenterology</i> , 2007, 133, 1960-1970.	1.3	52
24	An Overlapping CArG/Octamer Element Is Required for Regulation of desmin Gene Transcription in Arterial Smooth Muscle Cells. <i>Developmental Biology</i> , 2000, 226, 192-208.	2.0	51
25	An SRF/miR-1 axis regulates NCX1 and Annexin A5 protein levels in the normal and failing heart. <i>Cardiovascular Research</i> , 2013, 98, 372-380.	3.8	49
26	Regulation of Connective Tissue Growth Factor and Cardiac Fibrosis by an SRF/MicroRNA-133a Axis. <i>PLoS ONE</i> , 2015, 10, e0139858.	2.5	44
27	Inactivation of Serum Response Factor Contributes To Decrease Vascular Muscular Tone and Arterial Stiffness in Mice. <i>Circulation Research</i> , 2013, 112, 1035-1045.	4.5	43
28	Locally expressed IGF-1 propeptide improves function in induced dilated cardiomyopathy through blockade of myocardial fibrosis and SRF-dependent CTGF induction. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 481-91.	2.4	41
29	Rescue of biosynthesis of nicotinamide adenine dinucleotide protects the heart in cardiomyopathy caused by lamin A/C gene mutation. <i>Human Molecular Genetics</i> , 2018, 27, 3870-3880.	2.9	40
30	Posttranslational modifications of desmin and their implication in biological processes and pathologies. <i>Histochemistry and Cell Biology</i> , 2014, 141, 1-16.	1.7	39
31	Inducible Cardiac-Specific Deletion of Sirt1 in Male Mice Reveals Progressive Cardiac Dysfunction and Sensitization of the Heart to Pressure Overload. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5005.	4.1	35
32	Nicotinamide adenine dinucleotide: Biosynthesis, consumption and therapeutic role in cardiac diseases. <i>Acta Physiologica</i> , 2021, 231, e13551.	3.8	34
33	Proteome Modulation in H9c2 Cardiac Cells by microRNAs miR-378 and miR-378. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 18-29.	3.8	25
34	Efficacy of epicardially delivered adipose stroma cell sheets in dilated cardiomyopathy. <i>Cardiovascular Research</i> , 2013, 99, 640-647.	3.8	22
35	Diethylstilbestrol exposure in utero: A paradigm for mechanisms leading to adult disease. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2005, 73, 133-135.	1.6	21
36	The importance of intermediate filaments in the adaptation of tissues to mechanical stress: Evidence from gene knockout studies. <i>Biology of the Cell</i> , 1997, 89, 85-97.	2.0	19

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37	Aged Nicotinamide Riboside Kinase 2 Deficient Mice Present an Altered Response to Endurance Exercise Training. <i>Frontiers in Physiology</i> , 2018, 9, 1290.	2.8	18
38	NMRK2 Gene Is Upregulated in Dilated Cardiomyopathy and Required for Cardiac Function and NAD Levels during Aging. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3534.	4.1	17
39	Selective Involvement of Serum Response Factor in Pressure-Induced Myogenic Tone in Resistance Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 339-346.	2.4	16
40	Blood NAD levels are reduced in very old patients hospitalized for heart failure. <i>Experimental Gerontology</i> , 2020, 139, 111051.	2.8	16
41	Mosaic inactivation of the serum response factor gene in the myocardium induces focal lesions and heart failure. <i>European Journal of Heart Failure</i> , 2008, 10, 635-645.	7.1	15
42	Metabolic Therapy of Heart Failure: Is There a Future for B Vitamins?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 30.	4.1	15
43	Impacts of a high-fat diet on the metabolic profile and the phenotype of atrial myocardium in mice. <i>Cardiovascular Research</i> , 2022, 118, 3126-3139.	3.8	15
44	Ferulic Acid, Pterostilbene, and Tyrosol Protect the Heart from ER-Stress-Induced Injury by Activating SIRT1-Dependent Deacetylation of eIF2 β . <i>International Journal of Molecular Sciences</i> , 2022, 23, 6628.	4.1	14
45	Voluntary Exercise Improves Cardiac Function and Prevents Cardiac Remodeling in a Mouse Model of Dilated Cardiomyopathy. <i>Frontiers in Physiology</i> , 2017, 8, 899.	2.8	13
46	CD38 β -NADase is a new major contributor to Duchenne muscular dystrophic phenotype. <i>EMBO Molecular Medicine</i> , 2022, 14, e12860.	6.9	13
47	Transplacental injection of somite-derived cells in mdx mouse embryos for the correction of dystrophin deficiency. <i>Human Molecular Genetics</i> , 2000, 9, 1843-1852.	2.9	11
48	Mechanical and molecular parameters that influence the tendon differentiation potential of C3H10T1/2 cells in 2D- and 3D-culture systems. <i>Biology Open</i> , 2020, 9, .	1.2	9
49	Nitrate consumption preserves HFD-induced skeletal muscle mitochondrial ADP sensitivity and lysine acetylation: A potential role for SIRT1. <i>Redox Biology</i> , 2022, 52, 102307.	9.0	9
50	Cardioprotective effects of β -cardiac actin on oxidative stress in a dilated cardiomyopathy mouse model. <i>FASEB Journal</i> , 2020, 34, 2987-3005.	0.5	6
51	Micro-RNAs as promising biomarkers in cardiac diseases. <i>Annals of Translational Medicine</i> , 2016, 4, 551-551.	1.7	6
52	Spatiotemporal AMPK α 2 deletion in mice induces cardiac dysfunction, fibrosis and cardiolipin remodeling associated with mitochondrial dysfunction in males only. <i>Biology of Sex Differences</i> , 2021, 12, 52.	4.1	4
53	SRF selectively controls tip cell invasive behavior in angiogenesis. <i>Journal of Cell Science</i> , 2013, 126, e1-e1.	2.0	1
54	Abstract P2001: Nicotinamide Riboside the New Promising Drug of Myocardial Infarction Management. <i>Hypertension</i> , 2019, 74, .	2.7	0

#	ARTICLE	IF	CITATIONS
55	Interrelation between β -Cardiac Actin Treadmilling and Myocardin-Related Transcription Factor-A Nuclear Shuttling in Cardiomyocytes. International Journal of Molecular Sciences, 2022, 23, 7394.	4.1	0