

Allen M Samarel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1804455/publications.pdf>

Version: 2024-02-01

71
papers

3,905
citations

94381

37
h-index

118793

62
g-index

71
all docs

71
docs citations

71
times ranked

4268
citing authors

#	ARTICLE	IF	CITATIONS
1	Upregulation of Na ⁺ /Ca ²⁺ Exchanger Expression and Function in an Arrhythmogenic Rabbit Model of Heart Failure. <i>Circulation Research</i> , 1999, 85, 1009-1019.	2.0	379
2	Costameres, focal adhesions, and cardiomyocyte mechanotransduction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2291-H2301.	1.5	246
3	Hydrogen Peroxide Activates Mitogen-Activated Protein Kinases and Na ⁺ -H ⁺ Exchange in Neonatal Rat Cardiac Myocytes. <i>Circulation Research</i> , 1998, 82, 1053-1062.	2.0	188
4	Differential Activation of Mitogen-Activated Protein Kinase Cascades and Apoptosis by Protein Kinase C μ and δ in Neonatal Rat Ventricular Myocytes. <i>Circulation Research</i> , 2001, 89, 882-890.	2.0	151
5	Suppression of RhoA Activity by Focal Adhesion Kinase-induced Activation of p190RhoGAP. <i>Journal of Biological Chemistry</i> , 2006, 281, 2296-2305.	1.6	150
6	Calcium- and Protein Kinase C-Dependent Activation of the Tyrosine Kinase PYK2 by Angiotensin II in Vascular Smooth Muscle. <i>Circulation Research</i> , 1998, 83, 841-851.	2.0	147
7	Cardiac Dysfunction Occurs in the HIV-1 Transgenic Mouse Treated with Zidovudine. <i>Laboratory Investigation</i> , 2000, 80, 187-197.	1.7	133
8	Vascular Endothelial Growth Factor Regulates Focal Adhesion Assembly in Human Brain Microvascular Endothelial Cells through Activation of the Focal Adhesion Kinase and Related Adhesion Focal Tyrosine Kinase. <i>Journal of Biological Chemistry</i> , 2003, 278, 36661-36668.	1.6	127
9	Fibronectin Fragment Activation of Proline-rich Tyrosine Kinase PYK2 Mediates Integrin Signals Regulating Collagenase-3 Expression by Human Chondrocytes through a Protein Kinase C-dependent Pathway. <i>Journal of Biological Chemistry</i> , 2003, 278, 24577-24585.	1.6	126
10	GFP-FRNK Disrupts Focal Adhesions and Induces Anoikis in Neonatal Rat Ventricular Myocytes. <i>Circulation Research</i> , 2002, 90, 1282-1289.	2.0	114
11	Endothelin-induced cardiac myocyte hypertrophy: role for focal adhesion kinase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H1695-H1707.	1.5	103
12	Mechanical stress-induced sarcomere assembly for cardiac muscle growth in length and width. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 817-823.	0.9	103
13	Restoration of Resting Sarcomere Length After Uniaxial Static Strain Is Regulated by Protein Kinase C μ and Focal Adhesion Kinase. <i>Circulation Research</i> , 2004, 94, 642-649.	2.0	101
14	Distinct Pathways Regulate Expression of Cardiac Electrical and Mechanical Junction Proteins in Response to Stretch. <i>Circulation Research</i> , 2005, 97, 346-353.	2.0	92
15	Physiological Replacement of T ₃ Improves Left Ventricular Function in an Animal Model of Myocardial Infarction-Induced Congestive Heart Failure. <i>Circulation: Heart Failure</i> , 2009, 2, 243-252.	1.6	90
16	PKC μ -CREB-Nrf2 signalling induces HO-1 in the vascular endothelium and enhances resistance to inflammation and apoptosis. <i>Cardiovascular Research</i> , 2015, 106, 509-519.	1.8	89
17	Talin1 Has Unique Expression versus Talin 2 in the Heart and Modifies the Hypertrophic Response to Pressure Overload. <i>Journal of Biological Chemistry</i> , 2013, 288, 4252-4264.	1.6	73
18	Combined Antiretroviral Therapy Causes Cardiomyopathy and Elevates Plasma Lactate in Transgenic AIDS Mice. <i>Laboratory Investigation</i> , 2001, 81, 1527-1536.	1.7	72

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Molecular and Cellular Biochemistry, 2003, 242, 145-152.	1.4	67
20	Focal Adhesion Kinase Is Involved in Angiotensin II-Mediated Protein Synthesis in Cultured Vascular Smooth Muscle Cells. Circulation Research, 2000, 87, 710-716.	2.0	66
21	Activation of focal adhesion kinase by protein kinase C in neonatal rat ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H1684-H1696.	1.5	56
22	Detection of differentially methylated gene promoters in failing and nonfailing human left ventricle myocardium using computation analysis. Physiological Genomics, 2013, 45, 597-605.	1.0	56
23	Regulation of Connective Tissue Growth Factor Gene Expression and Fibrosis in Human Heart Failure. Journal of Cardiac Failure, 2013, 19, 283-294.	0.7	55
24	Role of protein kinase C in hypertrophy of cultured neonatal rat ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H756-H766.	1.5	53
25	PYK2 regulates SERCA2 gene expression in neonatal rat ventricular myocytes. American Journal of Physiology - Cell Physiology, 2005, 289, C471-C482.	2.1	51
26	Ca flux, contractility, and excitation-contraction coupling in hypertrophic rat ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 274, H1348-H1360.	1.5	47
27	PYK2 expression and phosphorylation increases in pressure overload-induced left ventricular hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H695-H706.	1.5	46
28	A Protein Kinase C-Anti-apoptotic Kinase Signaling Complex Protects Human Vascular Endothelial Cells against Apoptosis through Induction of Bcl-2. Journal of Biological Chemistry, 2007, 282, 32288-32297.	1.6	45
29	Identification of a Contractile-responsive Element in the Cardiac β -Myosin Heavy Chain Gene. Journal of Biological Chemistry, 1995, 270, 31276-31281.	1.6	44
30	Cyclic Stretch Down-regulates Calcium Transporter Gene Expression in Neonatal Rat Ventricular Myocytes. Journal of Molecular and Cellular Cardiology, 1998, 30, 2247-2259.	0.9	44
31	Laminin acts via β_1 integrin signalling to alter cholinergic regulation of L-type Ca ²⁺ current in cat atrial myocytes. Journal of Physiology, 2000, 526, 57-68.	1.3	44
32	Contractile activity is required for sarcomeric assembly in phenylephrine-induced cardiac myocyte hypertrophy. American Journal of Physiology - Cell Physiology, 1998, 274, C1226-C1237.	2.1	43
33	Protein kinase C-induced hypertrophy of neonatal rat ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H2777-H2789.	1.5	42
34	In vivo measurements of protein turnover during muscle growth and atrophy. FASEB Journal, 1991, 5, 2020-2028.	0.2	41
35	Focal adhesion signaling in heart failure. Pflugers Archiv European Journal of Physiology, 2014, 466, 1101-1111.	1.3	40
36	Isoenzyme-Specific Protein Kinase C and c-Jun N-terminal Kinase Activation by Electrically Stimulated Contraction of Neonatal Rat Ventricular Myocytes. Journal of Molecular and Cellular Cardiology, 2000, 32, 1553-1566.	0.9	38

#	ARTICLE	IF	CITATIONS
37	PK2 Expression and Phosphorylation in Neonatal and Adult Cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2001, 33, 1017-1030.	0.9	38
38	Isoenzyme-selective regulation of SERCA2 gene expression by protein kinase C in neonatal rat ventricular myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 285, C39-C47.	2.1	37
39	Laminin binding to β_1 integrins selectively alters β_1 and β_2 adrenoceptor signalling in cat atrial myocytes. <i>Journal of Physiology</i> , 2000, 527, 3-9.	1.3	36
40	CapZ dynamics are altered by endothelin-1 and phenylephrine via PIP2- and PKC-dependent mechanisms. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 296, C1034-C1039.	2.1	32
41	Serine-910 phosphorylation of focal adhesion kinase is critical for sarcomere reorganization in cardiomyocyte hypertrophy. <i>Cardiovascular Research</i> , 2011, 92, 409-419.	1.8	32
42	Protein kinase C δ -dependent activation of proline-rich tyrosine kinase 2 in neonatal rat ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2003, 35, 1121-1133.	0.9	31
43	Protein kinase C μ activation induces mitochondrial dysfunction and fragmentation in renal proximal tubules. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, F197-F208.	1.3	31
44	IGF-1 Overexpression Rescues the Failing Heart. <i>Circulation Research</i> , 2002, 90, 631-633.	2.0	27
45	Phosphorylation and binding of AUF1 to the 3' untranslated region of cardiomyocyte SERCA2a mRNA. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2543-H2550.	1.5	27
46	Connective tissue growth factor regulates cardiac function and tissue remodeling in a mouse model of dilated cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 89, 214-222.	0.9	25
47	CRNK gene transfer improves function and reverses the myosin heavy chain isoenzyme switch during post-myocardial infarction left ventricular remodeling. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, 93-105.	0.9	23
48	Protein kinase C μ -dependent MARCKS phosphorylation in neonatal and adult rat ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, 422-431.	0.9	22
49	Role of FRNK tyrosine phosphorylation in vascular smooth muscle spreading and migration. <i>Cardiovascular Research</i> , 2010, 85, 571-581.	1.8	21
50	Thymidine kinase and mtDNA depletion in human cardiomyopathy: epigenetic and translational evidence for energy starvation. <i>Physiological Genomics</i> , 2013, 45, 590-596.	1.0	18
51	FRNK Inhibition of Focal Adhesion Kinase-Dependent Signaling and Migration in Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 2226-2233.	1.1	17
52	Phorbol ester and endothelin-1 alter functional expression of Na ⁺ /Ca ²⁺ exchange, K ⁺ , and Ca ²⁺ currents in cultured neonatal rat myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H617-H626.	1.5	17
53	Protein kinase C μ activity induces anti-inflammatory and anti-apoptotic genes via an ERK1/2- and NF- κ B-dependent pathway to enhance vascular protection. <i>Biochemical Journal</i> , 2012, 447, 193-204.	1.7	14
54	Cardiomyocyte-specific expression of CRNK, the C-terminal domain of PK2, maintains ventricular function and slows ventricular remodeling in a mouse model of dilated cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 72, 281-291.	0.9	13

#	ARTICLE	IF	CITATIONS
55	Deoxycholic acid differentially regulates focal adhesion kinase phosphorylation: role of tyrosine phosphatase Shp2. American Journal of Physiology - Renal Physiology, 2006, 291, G1100-G1112.	1.6	12
56	Focal Adhesion Kinase-Related Nonkinase Inhibits Vascular Smooth Muscle Cell Invasion by Focal Adhesion Targeting, Tyrosine 168 Phosphorylation, and Competition for p130 Cas Binding. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2432-2440.	1.1	12
57	Microdomain heterogeneity in 3D affects the mechanics of neonatal cardiac myocyte contraction. Biomechanics and Modeling in Mechanobiology, 2013, 12, 95-109.	1.4	11
58	Syndecan-4: A component of the mechanosensory apparatus of cardiac fibroblasts. Journal of Molecular and Cellular Cardiology, 2013, 56, 19-21.	0.9	10
59	Biophysical Forces Modulate the Costamere and Z-Disc for Sarcomere Remodeling in Heart Failure. Biological and Medical Physics Series, 2013, , 141-174.	0.3	10
60	PICOT. Circulation Research, 2008, 102, 625-627.	2.0	6
61	Contraction-Dependent Hypertrophy of Neonatal Rat Ventricular Myocytes: Potential Role for Focal Adhesion Kinase. Progress in Experimental Cardiology, 2000, , 91-107.	0.0	6
62	Contractile Activity Regulates Inducible Nitric Oxide Synthase Expression and NO Production in Cardiomyocytes via a FAK-Dependent Signaling Pathway. Journal of Signal Transduction, 2012, 2012, 1-11.	2.0	5
63	Regulation of Focal Adhesion Kinase through a Direct Interaction with an Endogenous Inhibitor. Biochemistry, 2017, 56, 4722-4731.	1.2	4
64	β 1-integrins modulate β -adrenergic receptor signaling. Journal of Molecular and Cellular Cardiology, 2004, 36, 795-798.	0.9	2
65	Endothelin-1 induces Serine 910 phosphorylation of focal adhesion kinase via PKC δ and Src-dependent signaling pathways. FASEB Journal, 2010, 24, 620.3.	0.2	2
66	Myocardial infarction sensitizes medial prefrontal cortex to inhibitory effect of locus coeruleus stimulation in rats. Psychopharmacology, 2016, 233, 2581-2592.	1.5	1
67	Biomechanical and neurohumoral stimulation of neonatal rat ventricular myocytes induce focal adhesion kinase phosphorylation at S910. FASEB Journal, 2009, 23, LB56.	0.2	1
68	Focal Adhesion Kinase Anchoring Kinetics and Regulatory Interactions Quantified by Total Internal Reflection Fluorescence Microscopy. Microscopy and Microanalysis, 2015, 21, 69-70.	0.2	0
69	CRNK Gene Transfer Improves Function and Reverses the Myosin Heavy Chain Isoform Switch During Post-MI Remodeling. FASEB Journal, 2006, 20, A1186.	0.2	0
70	Deiodinase Expression in a Rodent Model of Myocardial Infarction. FASEB Journal, 2009, 23, 626.2.	0.2	0
71	Mechanotransduction in Cardiac Hypertrophy and Ischemia. , 2012, , 151-184.		0