David M Roth

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/351778/publications.pdf

Version: 2024-02-01

58 papers	1,766 citations	304602 22 h-index	360920 35 g-index
59 all docs	59 docs citations	59 times ranked	2233 citing authors

#	Article	IF	Citations
1	Effect of Mediators in the Plasma of Eâ€Cigarette Users on Endothelial and Epithelial Cell Metabolism. FASEB Journal, 2022, 36, .	0.2	0
2	Dexmedetomidine and Cardiac â€œPostconditioningâ€• Anesthesia and Analgesia, 2020, 130, 87-89.	1.1	0
3	Protective role of cardiac-specific overexpression of caveolin-3 in cirrhotic cardiomyopathy. American Journal of Physiology - Renal Physiology, 2020, 318, G531-G541.	1.6	6
4	Metabolomic analysis of serum and myocardium in compensated heart failure after myocardial infarction. Life Sciences, 2019, 221, 212-223.	2.0	19
5	Helium-Induced Changes in Circulating Caveolin in Mice Suggest a Novel Mechanism of Cardiac Protection. International Journal of Molecular Sciences, 2019, 20, 2640.	1.8	14
6	Cardiacâ€specific overexpression of caveolinâ€3 preserves tâ€tubular I Ca during heart failure in mice. Experimental Physiology, 2019, 104, 654-666.	0.9	11
7	Sex Differences in Typeâ€2 Diabetes: Implications for Caveolinâ€3 Regulated Mitochondrial Function. FASEB Journal, 2019, 33, 830.4.	0.2	0
8	The Effects of Aging on the Regulation of T-Tubular ICa by Caveolin in Mouse Ventricular Myocytes. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 711-719.	1.7	16
9	Caveolin-3 KO disrupts t-tubule structure and decreases t-tubularI_{Ca}density in mouse ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1101-H1111.	1.5	31
10	Caveolin-1 regulation of disrupted-in-schizophrenia-1 as a potential therapeutic target for schizophrenia. Journal of Neurophysiology, 2017, 117, 436-444.	0.9	27
11	Modulation of caveolins, integrins and plasma membrane repair proteins in anthracycline-induced heart failure in rabbits. PLoS ONE, 2017, 12, e0177660.	1.1	12
12	Abstract 24070: Cardiac-Specific Overexpression Of Caveolin-3 Expedites Cardiac Relaxation After Adrenergic Stimulation. Circulation, 2017, 136, .	1.6	0
13	Caveolin-3 plays a critical role in autophagy after ischemia-reperfusion. American Journal of Physiology - Cell Physiology, 2016, 311, C854-C865.	2.1	25
14	Electrophysiology and metabolism of caveolin-3-overexpressing mice. Basic Research in Cardiology, 2016, 111, 28.	2.5	15
15	Chronic Î² 1 -adrenoceptor blockade impairs ischaemic tolerance and preconditioning in murine myocardium. European Journal of Pharmacology, 2016, 789, 1-7.	1.7	8
16	Ischaemic preconditioning preferentially increases protein S-nitrosylation in subsarcolemmal mitochondria. Cardiovascular Research, 2015, 106, 227-236.	1.8	74
17	Caveolin-3 Overexpression Attenuates Cardiac Hypertrophy via Inhibition of T-type Ca2+ Current Modulated by Protein Kinase CÎ± in Cardiomyocytes. Journal of Biological Chemistry, 2015, 290, 22085-22100.	1.6	50
18	Caveolin modulates integrin function and mechanical activation in the cardiomyocyte. FASEB Journal, 2015, 29, 374-384.	0.2	24

#	Article	IF	Citations
19	Role of caveolin-3 in lymphocyte activation. Life Sciences, 2015, 121, 35-39.	2.0	3
20	Novel Roles for Catestatin in Cardiac Metabolism and Physiology. FASEB Journal, 2015, 29, 1025.12.	0.2	0
21	Ischemic Tolerance and Conventional Preconditioning are Impaired by Chronic Î² 1 â€Blockade. FASEB Journal, 2015, 29, 635.1.	0.2	0
22	Sarcolemmal cholesterol and caveolin-3 dependence of cardiac function, ischemic tolerance, and opioidergic cardioprotection. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H895-H903.	1.5	34
23	Long-term atorvastatin treatment leads to alterations in behavior, cognition, and hippocampal biochemistry. Behavioural Brain Research, 2014, 267, 6-11.	1.2	24
24	Signaling Epicenters: The Role of Caveolae and Caveolins in Volatile Anesthetic Induced Cardiac Protection. Current Pharmaceutical Design, 2014, 20, 5681-5689.	0.9	6
25	Caveolinâ€1 overexpression repairs neuronal degradation in the setting of traumatic brain injury. FASEB Journal, 2013, 27, 693.10.	0.2	1
26	AKIP1 protects against cardiac injury via enhanced mitochondrial function. FASEB Journal, 2013, 27, 657.3.	0.2	0
27	Angiotensinâ€II induced cardiac hypertrophic responses are mediated via PKC and NFAT signaling is attenuated by caveolinâ€3 in ventricular myocytes. FASEB Journal, 2013, 27, 1197.2.	0.2	0
28	Efficacy of Methylprednisolone in Preventing Lung Injury Following Pulmonary Thromboendarterectomy. Chest, 2012, 141, 27-35.	0.4	56
29	Mitochondriaâ€localized caveolin in adaptation to cellular stress and injury. FASEB Journal, 2012, 26, 4637-4649.	0.2	88
30	Effects of noble gas conditioning on Caveolin expression in the rat heart in vivo. FASEB Journal, 2012, 26, 1114.17.	0.2	0
31	Decreased caveolinâ€3 and increased GlcNAcation in cardiac myocyte caveolae during diabetes mellitus. FASEB Journal, 2012, 26, 1127.14.	0.2	0
32	Role of caveolinâ€3 and mitochondria in protecting the aged myocardium. FASEB Journal, 2012, 26, 864.16.	0.2	1
33	Myocardial cholesterol homeostasis is altered by age and Cavâ€3 knockdown. FASEB Journal, 2012, 26, 1117.5.	0.2	0
34	Effect of lowâ€dose epicatechin on mitochondrial function and membrane fluidity. FASEB Journal, 2012, 26, 852.1.	0.2	0
35	Cardiac-Specific Overexpression of Caveolin-3 Attenuates Cardiac Hypertrophy and Increases Natriuretic Peptide Expression and Signaling. Journal of the American College of Cardiology, 2011, 57, 2273-2283.	1.2	86
36	Role of Caveolae in Cardiac Protection. Pediatric Cardiology, 2011, 32, 329-333.	0.6	31

#	Article	IF	Citations
37	Caveolinâ€3 regulates isofluraneâ€induced postconditioning. FASEB Journal, 2011, 25, 1097.8.	0.2	0
38	Role of Caveolin-3 and Glucose Transporter-4 in Isoflurane-induced Delayed Cardiac Protection. Anesthesiology, 2010, 112, 1136-1145.	1.3	52
39	Caveolin and the aged myocardium. FASEB Journal, 2010, 24, 819.2.	0.2	1
40	A role for miRâ€471 in cardiac ischemiaâ€reperfusion injury. FASEB Journal, 2010, 24, 626.2.	0.2	0
41	Regulation of mitochondrial function by caveolinâ€3. FASEB Journal, 2010, 24, 819.1.	0.2	0
42	EFFECT OF EPICATECHIN AND NALOXONE ON CARDIOâ€PROTECTIVE PHENOTYPE. FASEB Journal, 2010, 24, 1029.8.	0.2	0
43	Increased GlcNacation and decreased caveolinâ€3 in cardiac myocyte caveolae during diabetes mellitus. FASEB Journal, 2009, 23, 990.26.	0.2	0
44	Dynamin and caveolae in cardiac ischemic preconditioning. FASEB Journal, 2009, 23, LB381.	0.2	0
45	Cardiac myocyteâ€specific caveolinâ€3 overexpression modulates ANP production and attenuates cardiac hypertrophy in vivo. FASEB Journal, 2009, 23, 576.10.	0.2	0
46	Cerebral ischemic preconditioning protects neurons from apoptosis via decoy receptors. FASEB Journal, 2009, 23, 614.10.	0.2	0
47	Cardiac-Specific Overexpression of Caveolin-3 Induces Endogenous Cardiac Protection by Mimicking Ischemic Preconditioning. Circulation, 2008, 118, 1979-1988.	1.6	126
48	Tissue plasminogen activator blocks ISOFLURANEâ€mediated neuronal apoptosis in developing neurons. FASEB Journal, 2008, 22, 648.24.	0.2	0
49	Mechanisms of cardiac protection from ischemia/reperfusion injury: a role for caveolae and caveolinâ€1. FASEB Journal, 2007, 21, 1565-1574.	0.2	126
50	Caveolinâ€1 knockout mice have decreased enrichment of redoxâ€sensitive enzymes in renal caveolar fractions. FASEB Journal, 2007, 21, A1424.	0.2	0
51	Cardiacâ€Specific Overexpression of Caveolinâ€3 Enhances Akt Phosphorylation. FASEB Journal, 2007, 21, A794.	0.2	0
52	Focal Adhesions in (Myo)fibroblasts Scaffold Adenylyl Cyclase with Phosphorylated Caveolin. Journal of Biological Chemistry, 2006, 281, 17173-17179.	1.6	83
53	Nitroprusside Increases Gene Transfer Associated with Intracoronary Delivery of Adenovirus. Human Gene Therapy, 2004, 15, 989-994.	1.4	29
54	Indirect intracoronary delivery of adenovirus encoding adenylyl cyclase increases left ventricular contractile function in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H172-H177.	1.5	37

#	Article	IF	Citations
55	Cardiac-directed expression of adenylyl cyclase and heart rate regulation. Basic Research in Cardiology, 2003, 98, 380-387.	2.5	13
56	Impact of anesthesia on cardiac function during echocardiography in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H2134-H2140.	1.5	282
57	Management of the Waiting List for Cadaveric Kidney Transplants. Journal of the American Society of Nephrology: JASN, 2002, 13, 528-535.	3.0	95
58	Cardiac-Directed Adenylyl Cyclase Expression Improves Heart Function in Murine Cardiomyopathy. Circulation, 1999, 99, 3099-3102.	1.6	165