

# David M Roth

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55  
papers

1,464  
citations

20  
h-index

38  
g-index

59  
ext. papers

1,628  
ext. citations

3.9  
avg, IF

3.68  
L-index

#	Paper	IF	Citations
55	Protective role of cardiac-specific overexpression of caveolin-3 in cirrhotic cardiomyopathy. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 318, G531-G541	5.1	1
54	Metabolomic analysis of serum and myocardium in compensated heart failure after myocardial infarction. <i>Life Sciences</i> , <b>2019</b> , 221, 212-223	6.8	9
53	Helium-Induced Changes in Circulating Caveolin in Mice Suggest a Novel Mechanism of Cardiac Protection. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	9
52	Sex Differences in Type-2 Diabetes: Implications for Caveolin-3 Regulated Mitochondrial Function. <i>FASEB Journal</i> , <b>2019</b> , 33, 830.4	0.9	
51	Cardiac-specific overexpression of caveolin-3 preserves t-tubular I during heart failure in mice. <i>Experimental Physiology</i> , <b>2019</b> , 104, 654-666	2.4	6
50	The Effects of Aging on the Regulation of T-Tubular ICa by Caveolin in Mouse Ventricular Myocytes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2018</b> , 73, 711-719	6.4	12
49	Caveolin-3 KO disrupts t-tubule structure and decreases t-tubular I density in mouse ventricular myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 315, H1101-H1111	5.2	21
48	Caveolin-1 regulation of disrupted-in-schizophrenia-1 as a potential therapeutic target for schizophrenia. <i>Journal of Neurophysiology</i> , <b>2017</b> , 117, 436-444	3.2	16
47	Modulation of caveolins, integrins and plasma membrane repair proteins in anthracycline-induced heart failure in rabbits. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177660	3.7	7
46	Chronic $\beta$ -adrenoceptor blockade impairs ischaemic tolerance and preconditioning in murine myocardium. <i>European Journal of Pharmacology</i> , <b>2016</b> , 789, 1-7	5.3	7
45	Caveolin-3 plays a critical role in autophagy after ischemia-reperfusion. <i>American Journal of Physiology - Cell Physiology</i> , <b>2016</b> , 311, C854-C865	5.4	18
44	Electrophysiology and metabolism of caveolin-3-overexpressing mice. <i>Basic Research in Cardiology</i> , <b>2016</b> , 111, 28	11.8	12
43	Caveolin-3 Overexpression Attenuates Cardiac Hypertrophy via Inhibition of T-type Ca <sup>2+</sup> Current Modulated by Protein Kinase C $\beta$ in Cardiomyocytes. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 22085-100	5.4	39
42	Caveolin modulates integrin function and mechanical activation in the cardiomyocyte. <i>FASEB Journal</i> , <b>2015</b> , 29, 374-84	0.9	20
41	Role of caveolin-3 in lymphocyte activation. <i>Life Sciences</i> , <b>2015</b> , 121, 35-9	6.8	2
40	Ischaemic preconditioning preferentially increases protein S-nitrosylation in subsarcolemmal mitochondria. <i>Cardiovascular Research</i> , <b>2015</b> , 106, 227-36	9.9	63
39	Novel Roles for Catestatin in Cardiac Metabolism and Physiology. <i>FASEB Journal</i> , <b>2015</b> , 29, 1025.12	0.9	

38	Ischemic Tolerance and Conventional Preconditioning are Impaired by Chronic $\beta$ -Blockade. <i>FASEB Journal</i> , <b>2015</b> , 29, 635.1	0.9	
37	Long-term atorvastatin treatment leads to alterations in behavior, cognition, and hippocampal biochemistry. <i>Behavioural Brain Research</i> , <b>2014</b> , 267, 6-11	3.4	21
36	Sarcolemmal cholesterol and caveolin-3 dependence of cardiac function, ischemic tolerance, and opioidergic cardioprotection. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 307, H895-903	5.2	28
35	Signaling epicenters: the role of caveolae and caveolins in volatile anesthetic induced cardiac protection. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 5681-9	3.3	5
34	Caveolin-1 overexpression repairs neuronal degradation in the setting of traumatic brain injury. <i>FASEB Journal</i> , <b>2013</b> , 27, 693.10	0.9	1
33	AKIP1 protects against cardiac injury via enhanced mitochondrial function. <i>FASEB Journal</i> , <b>2013</b> , 27, 657.3.9		
32	Angiotensin-II induced cardiac hypertrophic responses are mediated via PKC and NFAT signaling is attenuated by caveolin-3 in ventricular myocytes. <i>FASEB Journal</i> , <b>2013</b> , 27, 1197.2	0.9	
31	Mitochondria-localized caveolin in adaptation to cellular stress and injury. <i>FASEB Journal</i> , <b>2012</b> , 26, 4637.4.9		72
30	Efficacy of methylprednisolone in preventing lung injury following pulmonary thromboendarterectomy. <i>Chest</i> , <b>2012</b> , 141, 27-35	5.3	43
29	Effects of noble gas conditioning on Caveolin expression in the rat heart in vivo. <i>FASEB Journal</i> , <b>2012</b> , 26, 1114.17	0.9	
28	Decreased caveolin-3 and increased GlcNAcylation in cardiac myocyte caveolae during diabetes mellitus. <i>FASEB Journal</i> , <b>2012</b> , 26, 1127.14	0.9	
27	Role of caveolin-3 and mitochondria in protecting the aged myocardium. <i>FASEB Journal</i> , <b>2012</b> , 26, 864.16.9		1
26	Myocardial cholesterol homeostasis is altered by age and Cav-3 knockdown. <i>FASEB Journal</i> , <b>2012</b> , 26, 1117.5	0.9	
25	Effect of low-dose epicatechin on mitochondrial function and membrane fluidity. <i>FASEB Journal</i> , <b>2012</b> , 26, 852.1	0.9	
24	Cardiac-specific overexpression of caveolin-3 attenuates cardiac hypertrophy and increases natriuretic peptide expression and signaling. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 57, 2273-83	15.1	76
23	Role of caveolae in cardiac protection. <i>Pediatric Cardiology</i> , <b>2011</b> , 32, 329-33	2.1	27
22	Caveolin-3 regulates isoflurane-induced postconditioning. <i>FASEB Journal</i> , <b>2011</b> , 25, 1097.8	0.9	
21	Role of caveolin-3 and glucose transporter-4 in isoflurane-induced delayed cardiac protection. <i>Anesthesiology</i> , <b>2010</b> , 112, 1136-45	4.3	46

20	Caveolin and the aged myocardium. <i>FASEB Journal</i> , <b>2010</b> , 24, 819.2	0.9	
19	A role for miR-471 in cardiac ischemia-reperfusion injury. <i>FASEB Journal</i> , <b>2010</b> , 24, 626.2	0.9	
18	Regulation of mitochondrial function by caveolin-3. <i>FASEB Journal</i> , <b>2010</b> , 24, 819.1	0.9	
17	EFFECT OF EPICATECHIN AND NALOXONE ON CARDIO-PROTECTIVE PHENOTYPE. <i>FASEB Journal</i> , <b>2010</b> , 24, 1029.8	0.9	
16	Increased GlcNacation and decreased caveolin-3 in cardiac myocyte caveolae during diabetes mellitus. <i>FASEB Journal</i> , <b>2009</b> , 23, 990.26	0.9	
15	Dynamin and caveolae in cardiac ischemic preconditioning. <i>FASEB Journal</i> , <b>2009</b> , 23, LB381	0.9	
14	Cardiac myocyte-specific caveolin-3 overexpression modulates ANP production and attenuates cardiac hypertrophy in vivo. <i>FASEB Journal</i> , <b>2009</b> , 23, 576.10	0.9	
13	Cerebral ischemic preconditioning protects neurons from apoptosis via decoy receptors. <i>FASEB Journal</i> , <b>2009</b> , 23, 614.10	0.9	
12	Cardiac-specific overexpression of caveolin-3 induces endogenous cardiac protection by mimicking ischemic preconditioning. <i>Circulation</i> , <b>2008</b> , 118, 1979-88	16.7	111
11	Tissue plasminogen activator blocks ISOFLURANE-mediated neuronal apoptosis in developing neurons. <i>FASEB Journal</i> , <b>2008</b> , 22, 648.24	0.9	
10	Mechanisms of cardiac protection from ischemia/reperfusion injury: a role for caveolae and caveolin-1. <i>FASEB Journal</i> , <b>2007</b> , 21, 1565-74	0.9	112
9	Caveolin-1 knockout mice have decreased enrichment of redox-sensitive enzymes in renal caveolar fractions. <i>FASEB Journal</i> , <b>2007</b> , 21, A1424	0.9	
8	Cardiac-Specific Overexpression of Caveolin-3 Enhances Akt Phosphorylation. <i>FASEB Journal</i> , <b>2007</b> , 21, A794	0.9	
7	Focal adhesions in (myo)fibroblasts scaffold adenylyl cyclase with phosphorylated caveolin. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 17173-17179	5.4	59
6	Nitroprusside increases gene transfer associated with intracoronary delivery of adenovirus. <i>Human Gene Therapy</i> , <b>2004</b> , 15, 989-94	4.8	29
5	Indirect intracoronary delivery of adenovirus encoding adenylyl cyclase increases left ventricular contractile function in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2004</b> , 287, H172-7	5.2	35
4	Cardiac-directed expression of adenylyl cyclase and heart rate regulation. <i>Basic Research in Cardiology</i> , <b>2003</b> , 98, 380-7	11.8	12
3	Impact of anesthesia on cardiac function during echocardiography in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2002</b> , 282, H2134-40	5.2	237

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|---|--|------|-----|
| 2 | Management of the waiting list for cadaveric kidney transplants: report of a survey and recommendations by the Clinical Practice Guidelines Committee of the American Society of Transplantation. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2002</b> , 13, 528-535 | 12.7 | 77  |
| 1 | Cardiac-directed adenylyl cyclase expression improves heart function in murine cardiomyopathy. <i>Circulation</i> , <b>1999</b> , 99, 3099-102   | 16.7 | 151 |