

# Matthew A Nystoriak

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,279  
citations

471061

17  
h-index

500791

28  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1744  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiovascular Effects and Benefits of Exercise. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 135.	1.1	386
2	Elevating CXCR7 Improves Angiogenic Function of EPCs via Akt/GSK-3 $\beta$ /Fyn-Mediated Nrf2 Activation in Diabetic Limb Ischemia. <i>Circulation Research</i> , 2017, 120, e7-e23.	2.0	114
3	Phosphorylation of Ser <sup>1928</sup> mediates the enhanced activity of the L-type Ca <sup>2+</sup> channel Ca <sub>v</sub> 1.2 by the $\beta_2$ -adrenergic receptor in neurons. <i>Science Signaling</i> , 2017, 10, .	1.6	91
4	AKAP150 Contributes to Enhanced Vascular Tone by Facilitating Large-Conductance Ca <sup>2+</sup> -Activated K <sup>+</sup> Channel Remodeling in Hyperglycemia and Diabetes Mellitus. <i>Circulation Research</i> , 2014, 114, 607-615.	2.0	86
5	Ser <sup>1928</sup> phosphorylation by PKA stimulates the L-type Ca <sup>2+</sup> channel Ca <sub>v</sub> 1.2 and vasoconstriction during acute hyperglycemia and diabetes. <i>Science Signaling</i> , 2017, 10, .	1.6	85
6	Fundamental increase in pressure-dependent constriction of brain parenchymal arterioles from subarachnoid hemorrhage model rats due to membrane depolarization. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H803-H812.	1.5	71
7	Regulation of voltage-gated potassium channels in vascular smooth muscle during hypertension and metabolic disorders. <i>Microcirculation</i> , 2018, 25, e12423.	1.0	50
8	TRPA1 channel contributes to myocardial ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H889-H899.	1.5	42
9	Reduced Ca <sup>2+</sup> Spark Activity after Subarachnoid Hemorrhage Disables BK Channel Control of Cerebral Artery Tone. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 3-16.	2.4	40
10	Adenylyl cyclase 5 $\alpha$ -generated cAMP controls cerebral vascular reactivity during diabetic hyperglycemia. <i>Journal of Clinical Investigation</i> , 2019, 129, 3140-3152.	3.9	35
11	A Gs-coupled purinergic receptor boosts Ca <sup>2+</sup> influx and vascular contractility during diabetic hyperglycemia. <i>ELife</i> , 2019, 8, .	2.8	33
12	Impaired BKCa channel function in native vascular smooth muscle from humans with type 2 diabetes. <i>Scientific Reports</i> , 2017, 7, 14058.	1.6	31
13	Selective Down-regulation of KV2.1 Function Contributes to Enhanced Arterial Tone during Diabetes. <i>Journal of Biological Chemistry</i> , 2015, 290, 7918-7929.	1.6	30
14	HNRNPA2B1 regulates tamoxifen- and fulvestrant-sensitivity and hallmarks of endocrine resistance in breast cancer cells. <i>Cancer Letters</i> , 2021, 518, 152-168.	3.2	28
15	Cav1.2 splice variant with exon 9* is critical for regulation of cerebral artery diameter. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H1820-H1828.	1.5	24
16	Metabolic regulation of Kv channels and cardiac repolarization by Kv $\beta$ 2 subunits. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 137, 93-106.	0.9	21
17	Coronary microvascular Kv1 channels as regulatory sensors of intracellular pyridine nucleotide redox potential. <i>Microcirculation</i> , 2018, 25, e12426.	1.0	19
18	Predominant contribution of L-type Cav1.2 channel stimulation to impaired intracellular calcium and cerebral artery vasoconstriction in diabetic hyperglycemia. <i>Channels</i> , 2017, 11, 340-346.	1.5	16

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19	Heteromeric complexes of aldo-keto reductase auxiliary K V $\hat{1}^2$ subunits (AKR6A) regulate sarcolemmal localization of K V 1.5 in coronary arterial myocytes. <i>Chemico-Biological Interactions</i> , 2017, 276, 210-217.	1.7	15
20	Capturing single L-type Ca <sup>2+</sup> channel function with optics. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1657-1664.	1.9	11
21	Comparative effects of parent and heated cinnamaldehyde on the function of human iPSC-derived cardiac myocytes. <i>Toxicology in Vitro</i> , 2019, 61, 104648.	1.1	11
22	Myocardial Blood Flow Control by Oxygen Sensing Vascular Kv $\hat{1}^2$ Proteins. <i>Circulation Research</i> , 2021, 128, 738-751.	2.0	11
23	Regulation of microvascular function by voltage-gated potassium channels: New tricks for an ancient dog. <i>Microcirculation</i> , 2018, 25, e12435.	1.0	7
24	Collagen type XIX regulates cardiac extracellular matrix structure and ventricular function. <i>Matrix Biology</i> , 2022, 109, 49-69.	1.5	6
25	Biochemical and physiological properties of K <sup>+</sup> channel-associated AKR6A (Kv $\hat{1}^2$ ) proteins. <i>Chemico-Biological Interactions</i> , 2019, 305, 21-27.	1.7	5
26	Pyridine nucleotide redox potential in coronary smooth muscle couples myocardial blood flow to cardiac metabolism. <i>Nature Communications</i> , 2022, 13, 2051.	5.8	5
27	Coronary microvascular disease during metabolic syndrome: What is known and unknown. <i>International Journal of Cardiology</i> , 2020, 321, 18-19.	0.8	1
28	Kv Channel Suppression and Enhanced Cav Channel Activity Contribute to Increased Constriction of Parenchymal Arterioles from Subarachnoid Hemorrhage Model Rats. <i>Biophysical Journal</i> , 2010, 98, 101a-102a.	0.2	0
29	AKAP150 is required for NFATc3-induced vascular BKCa channel suppression during diabetic hypertension. <i>FASEB Journal</i> , 2012, 26, 872.26.	0.2	0
30	Local regulation of L-type Ca <sub>v</sub> 1.2 channel and vascular reactivity by adenylyl cyclase 5 during diabetic hyperglycemia. <i>FASEB Journal</i> , 2018, 32, 567.1.	0.2	0
31	The Enzymatic Function of K V $\hat{1}^2$ Contributes to Resistance Artery Vasodilation. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0