

# Debebe Gebremedhin

## List of Publications by Year in descending order

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29  
papers

1,894  
citations

623574

14  
h-index

887953

17  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Epoxyeicosatrienoic Acids as Endothelium-Derived Hyperpolarizing Factors. <i>Circulation Research</i> , 1996, 78, 415-423.	2.0	1,020
2	Molecular Characterization of an Arachidonic Acid Epoxygenase in Rat Brain Astrocytes. <i>Stroke</i> , 1996, 27, 971-979.	1.0	176
3	Cat cerebral arterial smooth muscle cells express cytochrome P450 4A2 enzyme and produce the vasoconstrictor 20-HETE which enhances L-type Ca <sup>2+</sup> current. <i>Journal of Physiology</i> , 1998, 507, 771-781.	1.3	167
4	Hypoxia increases the activity of Ca <sup>2+</sup> -sensitive K <sup>+</sup> channels in cat cerebral arterial muscle cell membranes. <i>Pflügers Archiv European Journal of Physiology</i> , 1994, 428, 621-630.	1.3	99
5	Metabotropic Glutamate Receptor Activation Enhances the Activities of Two Types of Ca <sup>2+</sup> -Activated K <sup>+</sup> Channels in Rat Hippocampal Astrocytes. <i>Journal of Neuroscience</i> , 2003, 23, 1678-1687.	1.7	81
6	Shear activated channels in cell-attached patches of cultured bovine aortic endothelial cells. <i>Pflügers Archiv European Journal of Physiology</i> , 1995, 431, 129-131.	1.3	76
7	Arachidonic Acid-Induced Dilation in Human Coronary Arterioles: Convergence of Signaling Mechanisms on Endothelial TRPV4-Mediated Ca <sup>2+</sup> Entry. <i>Journal of the American Heart Association</i> , 2013, 2, e000080.	1.6	68
8	Role of 20-HETE in the hypoxia-induced activation of Ca <sup>2+</sup> -activated K <sup>+</sup> channel currents in rat cerebral arterial muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H107-H120.	1.5	48
9	Adenosine Can Mediate its Actions through Generation of Reactive Oxygen Species. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1777-1790.	2.4	24
10	Expression of CYP 4A $\omega$ -hydroxylase and formation of 20-hydroxyeicosatetraenoic acid (20-HETE) in cultured rat brain astrocytes. <i>Prostaglandins and Other Lipid Mediators</i> , 2016, 124, 16-26.	1.0	24
11	Enhanced large conductance K <sup>+</sup> channel activity contributes to the impaired myogenic response in the cerebral vasculature of Fawn Hooded Hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H989-H1000.	1.5	23
12	Inhibition of soluble epoxide hydrolase augments astrocyte release of vascular endothelial growth factor and neuronal recovery after oxygen-glucose deprivation. <i>Journal of Neurochemistry</i> , 2017, 140, 814-825.	2.1	23
13	Redox Signaling via Oxidative Inactivation of PTEN Modulates Pressure-Dependent Myogenic Tone in Rat Middle Cerebral Arteries. <i>PLoS ONE</i> , 2013, 8, e68498.	1.1	20
14	Endogenous Events Modulating Myogenic Regulation of Cerebrovascular Function. <i>Current Vascular Pharmacology</i> , 2014, 12, 810-817.	0.8	18
15	Contribution of epoxyeicosatrienoic acids to the cerebral blood flow response to hypoxemia. <i>Journal of Applied Physiology</i> , 2015, 119, 1202-1209.	1.2	14
16	Detection of TRPV4 channel current-like activity in Fawn Hooded hypertensive (FHH) rat cerebral arterial muscle cells. <i>PLoS ONE</i> , 2017, 12, e0176796.	1.1	7
17	Regulation of Cerebral Blood Flow: Response to Cytochrome P450 Lipid Metabolites. , 2018, 8, 801-821.		4
18	H <sub>2</sub> O <sub>2</sub> dilates human coronary arterioles by stimulating the large-conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel activity. <i>FASEB Journal</i> , 2011, 25, 1093.5.	0.2	1

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19	Effect of Nearby Construction Activity on Endothelial Function, Sensitivity to Nitric Oxide, and Potassium Channel Activity in the Middle Cerebral Arteries of Rats. Journal of the American Association for Laboratory Animal Science, 2020, , .	0.6	1
20	Potential role of mitochondria in myogenic response of rat middle cerebral arteries. FASEB Journal, 2006, 20, A296.	0.2	0
21	Alzheimer's amyloid beta protein promotes CYP epoxygenase dependent generation of superoxide. FASEB Journal, 2006, 20, .	0.2	0
22	Specific subclass of adenosine receptors modulate release of EETs and superoxide in brain tissues. FASEB Journal, 2007, 21, A817.	0.2	0
23	Modulation by superoxide of delayed rectifier K <sup>+</sup> channel current in rat cerebral arterial muscle cells.. FASEB Journal, 2008, 22, 144-144.	0.2	0
24	Hydrogen peroxide increases cerebral arterial K <sub>Ca</sub> channel opening through activation of Akt signaling pathway. FASEB Journal, 2009, 23, 617.20.	0.2	0
25	Signaling Mechanisms of Adenosine Action in Rat Brain Astrocytes. FASEB Journal, 2011, 25, 1094.9.	0.2	0
26	Organ culture as an in vitro model for the study of dual-specificity phosphatase (DUSP5) and myogenic response in rat cerebral arterioles. FASEB Journal, 2012, 26, 685.12.	0.2	0
27	Differential regulation of oxidant generation and [Ca <sup>2+</sup> ] <sub>i</sub> mobilization by adenosine A1 and A3 receptors in brain astrocytes. FASEB Journal, 2012, 26, 1137.7.	0.2	0
28	Nrf2 Deletion is Associated with Impaired BK Ca Channel Expression and Function in Rat Cerebral Arterial Muscle Cells. FASEB Journal, 2018, 32, 575.7.	0.2	0
29	Detrimental Effects of Nearby Construction Activity on Endothelial and Vascular Smooth Muscle Function in Cerebral Arteries of Sprague-Dawley (SD) Rats. FASEB Journal, 2019, 33, .	0.2	0