

Abdelrahman Y Fouda

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,212
citations

331538

21
h-index

377752

34
g-index

55
all docs

55
docs citations

55
times ranked

1773
citing authors

#	ARTICLE	IF	CITATIONS
1	Thioredoxin-Interacting Protein: a Novel Target for Neuroprotection in Experimental Thromboembolic Stroke in Mice. <i>Molecular Neurobiology</i> , 2015, 51, 766-778.	1.9	92
2	Cerebral Neovascularization in Diabetes: Implications for Stroke Recovery and beyond. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 553-563.	2.4	86
3	Obesity-induced vascular dysfunction and arterial stiffening requires endothelial cell arginase 1. <i>Cardiovascular Research</i> , 2017, 113, 1664-1676.	1.8	82
4	Minocycline in Acute Cerebral Hemorrhage. <i>Stroke</i> , 2017, 48, 2885-2887.	1.0	65
5	Compound 21 is pro-angiogenic in the brain and results in sustained recovery after ischemic stroke. <i>Journal of Hypertension</i> , 2015, 33, 170-180.	0.3	57
6	Impact of Comorbidities on Acute Injury and Recovery in Preclinical Stroke Research: Focus on Hypertension and Diabetes. <i>Translational Stroke Research</i> , 2016, 7, 248-260.	2.3	55
7	Mechanisms of Diabetes-Induced Endothelial Cell Senescence: Role of Arginase 1. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1215.	1.8	54
8	Cysteine oxidation of copper transporter CTR1 drives VEGFR2 signalling and angiogenesis. <i>Nature Cell Biology</i> , 2022, 24, 35-50.	4.6	53
9	Arginase 1 promotes retinal neurovascular protection from ischemia through suppression of macrophage inflammatory responses. <i>Cell Death and Disease</i> , 2018, 9, 1001.	2.7	52
10	Low-Dose Candesartan Enhances Molecular Mediators of Neuroplasticity and Subsequent Functional Recovery After Ischemic Stroke in Rats. <i>Molecular Neurobiology</i> , 2015, 51, 1542-1553.	1.9	49
11	RAS modulation prevents progressive cognitive impairment after experimental stroke: a randomized, blinded preclinical trial. <i>Journal of Neuroinflammation</i> , 2018, 15, 229.	3.1	47
12	Imbalance of the Nerve Growth Factor and Its Precursor as a Potential Biomarker for Diabetic Retinopathy. <i>BioMed Research International</i> , 2015, 2015, 1-12.	0.9	46
13	Role of interleukin-10 in the neuroprotective effect of the Angiotensin Type 2 Receptor agonist, compound 21, after ischemia/reperfusion injury. <i>European Journal of Pharmacology</i> , 2017, 799, 128-134.	1.7	46
14	Brain-Derived Neurotrophic Factor Knockdown Blocks the Angiogenic and Protective Effects of Angiotensin Modulation After Experimental Stroke. <i>Molecular Neurobiology</i> , 2017, 54, 661-670.	1.9	40
15	Renin-angiotensin system as a potential therapeutic target in stroke and retinopathy: experimental and clinical evidence. <i>Clinical Science</i> , 2016, 130, 221-238.	1.8	38
16	Anti-inflammatory IL-10 is upregulated in both hemispheres after experimental ischemic stroke: Hypertension blunts the response. <i>Experimental & Translational Stroke Medicine</i> , 2013, 5, 12.	3.2	34
17	Sequential Therapy with Minocycline and Candesartan Improves Long-Term Recovery After Experimental Stroke. <i>Translational Stroke Research</i> , 2015, 6, 309-322.	2.3	31
18	Retinal Neuroprotection From Optic Nerve Trauma by Deletion of Arginase 2. <i>Frontiers in Neuroscience</i> , 2018, 12, 970.	1.4	29

#	ARTICLE	IF	CITATIONS
19	Brain Vasculature and Cognition. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 593-602.	1.1	26
20	Cellular connections, microenvironment and brain angiogenesis in diabetes: Lost communication signals in the post-stroke period. <i>Brain Research</i> , 2015, 1623, 81-96.	1.1	23
21	Targeting Polyamine Oxidase to Prevent Excitotoxicity-Induced Retinal Neurodegeneration. <i>Frontiers in Neuroscience</i> , 2018, 12, 956.	1.4	22
22	Arginase Pathway in Acute Retina and Brain Injury: Therapeutic Opportunities and Unexplored Avenues. <i>Frontiers in Pharmacology</i> , 2020, 11, 277.	1.6	22
23	Dose-response, therapeutic time-window and tPA-combinatorial efficacy of compound 21: A randomized, blinded preclinical trial in a rat model of thromboembolic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1635-1647.	2.4	21
24	Angiotensin II type 2 receptor stimulation with compound 21 improves neurological function after stroke in female rats: a pilot study. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1192-H1201.	1.5	19
25	Is the Arginase Pathway a Novel Therapeutic Avenue for Diabetic Retinopathy?. <i>Journal of Clinical Medicine</i> , 2020, 9, 425.	1.0	17
26	Endothelial arginase 2 mediates retinal ischemia/reperfusion injury by inducing mitochondrial dysfunction. <i>Molecular Metabolism</i> , 2021, 53, 101273.	3.0	17
27	Role of Arginase 2 in Murine Retinopathy Associated with Western Diet-Induced Obesity. <i>Journal of Clinical Medicine</i> , 2020, 9, 317.	1.0	14
28	Utility of LysM-cre and Cdh5-cre Driver Mice in Retinal and Brain Research: An Imaging Study Using tdTomato Reporter Mouse. , 2020, 61, 51.		14
29	Deletion of Arginase 2 Ameliorates Retinal Neurodegeneration in a Mouse Model of Multiple Sclerosis. <i>Molecular Neurobiology</i> , 2019, 56, 8589-8602.	1.9	12
30	Preclinical investigation of Pegylated arginase 1 as a treatment for retina and brain injury. <i>Experimental Neurology</i> , 2022, 348, 113923.	2.0	10
31	Deletion of arginase 2 attenuates neuroinflammation in an experimental model of optic neuritis. <i>PLoS ONE</i> , 2021, 16, e0247901.	1.1	8
32	Investigation of Retinal Metabolic Function in Type 1 Diabetic Akita Mice. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	1.1	7
33	Vascular protective effects of Angiotensin Receptor Blockers: Beyond Blood pressure. <i>Receptors & Clinical Investigation</i> , 2015, 2, .	0.9	5
34	Introducing the Zoom interview: tips for job hunting during the coronavirus pandemic. <i>Nature</i> , 2020, 582, 299-300.	13.7	5
35	ARBs improve stroke outcome through an AT2-dependent, BDNF-induced proangiogenic and prorecovery response. <i>Neural Regeneration Research</i> , 2016, 11, 912.	1.6	4
36	Contralesional angiotensin type 2 receptor activation contributes to recovery in experimental stroke. <i>Neurochemistry International</i> , 2022, 158, 105375.	1.9	2

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37	Arginase 2 Overexpression Aggravates Ischemic Injury in Retinal Vascular Endothelial Cells. FASEB Journal, 2019, 33, 677.11.	0.2	1
38	Mechanisms of Retinal Ischemia/Reperfusion Injury: Arginase and the Mitochondria. FASEB Journal, 2018, 32, 824.3.	0.2	1
39	Activation of the arginase 1/ornithine pathway suppresses ischemia/reperfusion-induced neuronal injury by suppressing HDAC3. FASEB Journal, 2019, 33, 500.8.	0.2	1
40	776: PHARMACOKINETICS OF MINOCYCLINE IN CRITICALLY ILL PATIENTS WITH INTRACEREBRAL HEMORRHAGE. Critical Care Medicine, 2016, 44, 270-270.	0.4	0
41	Response by Fouda and Switzer to Letter Regarding Article, "Minocycline in Acute Cerebral Hemorrhage: An Early Phase Randomized Trial". Stroke, 2018, 49, e19.	1.0	0
42	Abstract 307: Enhancement of Cerebrovascular Relaxation by Angiotensin II Type 2 Receptor Agonist, C21, is Lost in Type 2 Diabetes. Hypertension, 2014, 64, .	1.3	0
43	Abstract W P245: Impaired Response to Post-Stroke Candesartan Treatment in a Model of Type 2 Diabetes: Relationship to Angiotensin Receptors Expression. Stroke, 2015, 46, .	1.0	0
44	Abstract 31: The Angiotensin Type 2-receptor Agonist, Compound 21, Provides Neuroprotection After Ischemia Reperfusion Injury Through Interleukin 10 Upregulation. Stroke, 2015, 46, .	1.0	0
45	Abstract WP101: Involvement of the Contralateral Angiotensin Type 2 Receptor in Compound 21 Mediated Functional Recovery After Stroke. Stroke, 2016, 47, .	1.0	0
46	Abstract TP88: Delayed Therapeutic Window for Prevention of Progressive Cognitive Impairment After Experimental Stroke. Stroke, 2018, 49, .	1.0	0
47	Myeloid Arginase 1 Protects Against Retinal Ischemia/Reperfusion Injury. FASEB Journal, 2018, 32, 824.12.	0.2	0
48	Neuroprotection from optic nerve trauma by deletion of arginase 2. FASEB Journal, 2019, 33, 665.10.	0.2	0
49	Deletion of Arginase 2 reduces neurodegeneration in a model of Multiple Sclerosis. FASEB Journal, 2019, 33, .	0.2	0
50	Advanced Glycated End Products or High Glucose/Palmitate treatment modulate TREM-1, Arginase and Nitric Oxide Levels in Macrophages. FASEB Journal, 2020, 34, 1-1.	0.2	0
51	Critical role of arginase 2 in obesity-induced metabolic dysregulation in female mice: Implication of macrophage inflammatory response. FASEB Journal, 2020, 34, 1-1.	0.2	0
52	Modulation of TREM-1, Arginase and Nitric Oxide Levels under Diabetic Conditions in Macrophages. Metabolism: Clinical and Experimental, 2022, 128, 155024.	1.5	0
53	Abstract T P201: Sequential Treatment With Minocycline and Candesartan Improves Long Term Recovery After Stroke. Stroke, 2014, 45, .	1.0	0
54	Abstract WP113: Dose-response and Therapeutic Time-window of Compound 21: a Randomized Preclinical Trial in Rat Model of Thromboembolic Stroke. Stroke, 2016, 47, .	1.0	0