Adebowale Adebiyi

List of Publications by Year
in descending order

61 papers	1,350 citations	361045 20 h-index	360668 35 g-index
61 all docs	61 docs citations	61 times ranked	1593 citing authors

#	Article	IF	Citations
1	Mesenchymal stem cell secretome protects against oxidative stress-induced ocular blast visual pathologies. Experimental Eye Research, 2022, 215, 108930.	1.2	8
2	K_V7.1 channel blockade inhibits neonatal renal autoregulation triggered by a step decrease in arterial pressure. American Journal of Physiology - Renal Physiology, 2022, 322, F197-F207.	1.3	4
3	Loss of urotensin II receptor diminishes hyperglycemia and kidney injury in streptozotocin-treated mice. Journal of Molecular Endocrinology, 2022, 68, 167-178.	1.1	0
4	Induction of reactive oxygen species by mechanical stretch drives endothelin production in neonatal pig renal epithelial cells. Redox Biology, 2022, 55, 102394.	3.9	3
5	Interleukin 1 betaâ€induced calcium signaling via TRPA1 channels promotes mitogenâ€activated protein kinaseâ€dependent mesangial cell proliferation. FASEB Journal, 2021, 35, e21729.	0.2	11
6	Organ Growth and Intestinal Functions of Preterm Pigs Fed Low and High Protein Formulas With or Without Supplemental Leucine or Hydroxymethylbutyrate as Growth Promoters. Frontiers in Nutrition, 2021, 8, 687703.	1.6	3
7	Doxorubicin-Induced Fetal Mesangial Cell Death Occurs Independently of TRPC6 Channel Upregulation but Involves Mitochondrial Generation of Reactive Oxygen Species. International Journal of Molecular Sciences, 2021, 22, 7589.	1.8	4
8	Renal vascular TRP channels. Current Research in Physiology, 2021, 4, 17-23.	0.8	3
9	Novel Treatments from Inhibition of the Intestinal Sodiumâ€“Hydrogen Exchanger 3. International Journal of Nephrology and Renovascular Disease, 2021, Volume 14, 411-420.	0.8	9
10	Acute hydroxyurea treatment reduces tubular damage following bilateral ischemia-reperfusion injury in a mouse model of sickle cell disease. Biochemical and Biophysical Research Communications, 2019, 515, 72-76.	1.0	7
11	Pharmacological inhibition of TRPV4 channels protects against ischemiaâ€“reperfusion-induced renal insufficiency in neonatal pigs. Clinical Science, 2019, 133, 1031-1047.	1.8	11
12	Early onset of renal oxidative stress in small for gestational age newborn pigs. Redox Report, 2019, 24, 10-16.	1.4	8
13	Activation of the cannabinoid receptor 2 increases renal perfusion. Physiological Genomics, 2019, 51, 90-96.	1.0	16
14	Î³â€secretase inhibitor <scp>DAPT</scp> mitigates cisplatinâ€induced acute kidney injury by suppressing Notch1 signaling. Journal of Cellular and Molecular Medicine, 2019, 23, 260-270.	1.6	16
15	CGRPergic Nerve TRPA1 Channels Contribute to Epigallocatechin Gallate-Induced Neurogenic Vasodilation. ACS Chemical Neuroscience, 2019, 10, 216-220.	1.7	13
16	Cisplatin-induced oxidative stress stimulates renal Fas ligand shedding. Renal Failure, 2018, 40, 314-322.	0.8	56
17	Oxidant-induced increase in norepinephrine secretion from PC12â€cells is dependent on TRPM8 channel-mediated intracellular calcium elevation. Biochemical and Biophysical Research Communications, 2018, 506, 709-715.	1.0	4
18	Doxorubicinâ€induced fetal glomerular mesangial cell apoptosis involves NADPH oxidaseâ€dependent reactive oxygen species generation. FASEB Journal, 2018, 32, 616.3.	0.2	0

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19	Adenosine A₁receptor-operated calcium entry in renal afferent arterioles is dependent on postnatal maturation of TRPC3 channels. American Journal of Physiology - Renal Physiology, 2017, 313, F1216-F1222.	1.3	13
20	TRPV4 channels contribute to renal myogenic autoregulation in neonatal pigs. American Journal of Physiology - Renal Physiology, 2017, 313, F1136-F1148.	1.3	21
21	Early septic insult in neonatal pigs increases serum and urinary soluble Fas ligand and decreases kidney function without inducing significant renal apoptosis. Renal Failure, 2017, 39, 83-91.	0.8	14
22	Urotensin II-induced store-operated Ca2+ entry contributes to glomerular mesangial cell proliferation and extracellular matrix protein production under high glucose conditions. Scientific Reports, 2017, 7, 18049.	1.6	19
23	TRPC6 channel activation promotes neonatal glomerular mesangial cell apoptosis via calcineurin/NFAT and FasL/Fas signaling pathways. Scientific Reports, 2016, 6, 29041.	1.6	35
24	Postnatal kidney maturation regulates renal artery myogenic constriction. Journal of Perinatal Medicine, 2015, 43, 119-122.	0.6	6
25	Changes in endothelial connexin 43 expression inversely correlate with microvessel permeability and VE-cadherin expression in endotoxin-challenged lungs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L584-L592.	1.3	35
26	Altered cGMP Dynamics at the Plasma Membrane Contribute to Diarrhea in Ulcerative Colitis. American Journal of Pathology, 2015, 185, 2790-2804.	1.9	7
27	Urotensin IIâ€Induced Storeâ€Operated Ca ²⁺ Entry Stimulates CAMKII/CREBâ€Dependent Glomerular Mesangial Cell Proliferation and Extracellular Matrix Accumulation. FASEB Journal, 2015, 29, 808.7.	0.2	0
28	TRPC6 Channelâ€Mediated Neonatal Glomerular Mesangial Cell Apoptosis Involves Activation of Calcineurin/Nuclear Factor of Activated Tâ€Cell Signaling. FASEB Journal, 2015, 29, 784.3.	0.2	0
29	RGS2 Regulates Urotensin IIâ€Induced Intracellular Ca²⁺ Elevation and Contraction in Glomerular Mesangial Cells. Journal of Cellular Physiology, 2014, 229, 502-511.	2.0	22
30	Lipid rafts are required for signal transduction by angiotensin II receptor type 1 in neonatal glomerular mesangial cells. Experimental Cell Research, 2014, 324, 92-104.	1.2	22
31	Pressor and renal regional hemodynamic effects of urotensin II in neonatal pigs. Journal of Endocrinology, 2013, 217, 317-326.	1.2	9
32	An Elevation in Physical Coupling of Type 1 Inositol 1,4,5-Trisphosphate (IP ₃) Receptors to Transient Receptor Potential 3 (TRPC3) Channels Constricts Mesenteric Arteries in Genetic Hypertension. Hypertension, 2012, 60, 1213-1219.	1.3	47
33	Inositol trisphosphate receptors in smooth muscle cells. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H2190-H2210.	1.5	78
34	TMEM16A channels generate Ca²⁺-activated Cl^{â^'} currents in cerebral artery smooth muscle cells. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1819-H1827.	1.5	92
35	Caveolin-1 Assembles Type 1 Inositol 1,4,5-Trisphosphate Receptors and Canonical Transient Receptor Potential 3 Channels into a Functional Signaling Complex in Arterial Smooth Muscle Cells. Journal of Biological Chemistry, 2011, 286, 4341-4348.	1.6	70
36	CaV1.2 Channel N-terminal Splice Variants Modulate Functional Surface Expression in Resistance Size Artery Smooth Muscle Cells. Journal of Biological Chemistry, 2011, 286, 15058-15066.	1.6	25

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37	Vasodilation induced by oxygen/glucose deprivation is attenuated in cerebral arteries of SUR2 null mice. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1360-H1368.	1.5	13
38	Hydrogen sulfide dilates cerebral arterioles by activating smooth muscle cell plasma membrane K_{ATP} channels. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H2088-H2095.	1.5	64
39	Hydrogen sulfide dilates cerebral arterioles by activating smooth muscle cell plasma membrane K ATP channels. FASEB Journal, 2011, 25, 1026.8.	0.2	0
40	Type 1 IP3 receptors activate BKCa channels via local molecular coupling in arterial smooth muscle cells. Journal of General Physiology, 2010, 136, 283-291.	0.9	55
41	Isoform-Selective Physical Coupling of TRPC3 Channels to IP ₃ Receptors in Smooth Muscle Cells Regulates Arterial Contractility. Circulation Research, 2010, 106, 1603-1612.	2.0	77
42	Smooth Muscle Cell Î± ₂ Î´-1 Subunits Are Essential for Vasoregulation by Ca _V 1.2 Channels. Circulation Research, 2009, 105, 948-955.	2.0	71
43	IP ₃ Constricts Cerebral Arteries via IP ₃ Receptorâ€“Mediated TRPC3 Channel Activation and Independently of Sarcoplasmic Reticulum Ca ²⁺ Release. Circulation Research, 2008, 102, 1118-1126.	2.0	107
44	Sulfonylurea Receptor-Dependent and -Independent Pathways Mediate Vasodilation Induced by ATP-Sensitive K+ Channel Openers. Molecular Pharmacology, 2008, 74, 736-743.	1.0	38
45	Type 1 inositol 1,4,5-trisphosphate receptors mediate UTP-induced cation currents, Ca²⁺signals, and vasoconstriction in cerebral arteries. American Journal of Physiology - Cell Physiology, 2008, 295, C1376-C1384.	2.1	46
46	Hypoxia reduces KCa channel activity by inducing Ca2+ spark uncoupling in cerebral artery smooth muscle cells. American Journal of Physiology - Cell Physiology, 2007, 292, C2122-C2128.	2.1	14
47	Caveolin-1 abolishment attenuates the myogenic response in murine cerebral arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H1584-H1592.	1.5	38
48	Caveolinâ€1 ablation induces functional K Ca channel activation and attenuates the myogenic response in cerebral arteries. FASEB Journal, 2007, 21, A521.	0.2	0
49	KCa channel insensitivity to Ca2+ sparks underlies fractional uncoupling in newborn cerebral artery smooth muscle cells. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H1118-H1125.	1.5	14
50	Hypoxia inhibits transients KCa currents to limit cerebral artery dilation. FASEB Journal, 2006, 20, A304.	0.2	0
51	MEMBRANE DEPOLARIZATION COUPLESCa2+ SPARKS TO KCa CHANNELS IN NEWBORN ARTERIAL SMOOTH MUSCLE CELLS. FASEB Journal, 2006, 20, A304.	0.2	0
52	The myogenic response is suppressed in cerebral arteries of caveolinâ€1 deficient mice. FASEB Journal, 2006, 20, A303.	0.2	0
53	Modulation of Jejunal Contractions by Extract ofCarica papaya L. Seeds. Phytotherapy Research, 2005, 19, 628-632.	2.8	12
54	Mechanisms of the Oxytocic Activity of Papaya Proteinases. Pharmaceutical Biology, 2005, 42, 646-655.	1.3	6

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55	Oxytocic activity of thrombin: modulation of thrombin-induced gravid rat myometrial contractions by 5-hydroxytryptamine receptor antagonists. Journal of Perinatal Medicine, 2004, 32, 126-31.	0.6	4
56	Effect of caffeine on response of rabbit isolated corpus cavernosum to high K+ solution, noradrenaline and transmural electrical stimulation. Clinical and Experimental Pharmacology and Physiology, 2004, 31, 82-85.	0.9	6
57	Effect of benzyl isothiocyanate on spontaneous and induced force of rat uterine contraction. Pharmacological Research, 2004, 49, 415-422.	3.1	8
58	Effect of Crude Papaya Latex on Rats' Pregnancy. , 2004, , 123-129.		0
59	Tocolytic and toxic activity of papaya seed extract on isolated rat uterus. Life Sciences, 2003, 74, 581-592.	2.0	27
60	Papaya (Carica papaya) consumption is unsafe in pregnancy: fact or fable? Scientific evaluation of a common belief in some parts of Asia using a rat model. British Journal of Nutrition, 2002, 88, 199-203.	1.2	40
61	Papaya (Carica papaya) consumption is unsafe in pregnancy: fact or fable? Scientific evaluation of a common belief in some parts of Asia using a rat model. British Journal of Nutrition, 2002, 88, 199-203.	1.2	19