

Adebowale Adebisi

List of Publications by Year in descending order

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61
papers

1,350
citations

361045

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h-index

360668

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61
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docs citations

61
times ranked

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#	ARTICLE	IF	CITATIONS
1	IP ₃ Constricts Cerebral Arteries via IP ₃ Receptor-Mediated TRPC3 Channel Activation and Independently of Sarcoplasmic Reticulum Ca ²⁺ Release. <i>Circulation Research</i> , 2008, 102, 1118-1126.	2.0	107
2	TMEM16A channels generate Ca ²⁺ -activated Cl ⁻ currents in cerebral artery smooth muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H1819-H1827.	1.5	92
3	Inositol trisphosphate receptors in smooth muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H2190-H2210.	1.5	78
4	Isoform-Selective Physical Coupling of TRPC3 Channels to IP ₃ Receptors in Smooth Muscle Cells Regulates Arterial Contractility. <i>Circulation Research</i> , 2010, 106, 1603-1612.	2.0	77
5	Smooth Muscle Cell β_2 -1 Subunits Are Essential for Vasoregulation by Ca ^V 1.2 Channels. <i>Circulation Research</i> , 2009, 105, 948-955.	2.0	71
6	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. <i>Journal of Biological Chemistry</i> , 2011, 286, 4341-4348.	1.6	70
7	Hydrogen sulfide dilates cerebral arterioles by activating smooth muscle cell plasma membrane K ^{ATP} channels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H2088-H2095.	1.5	64
8	Cisplatin-induced oxidative stress stimulates renal Fas ligand shedding. <i>Renal Failure</i> , 2018, 40, 314-322.	0.8	56
9	Type 1 IP ₃ receptors activate BKCa channels via local molecular coupling in arterial smooth muscle cells. <i>Journal of General Physiology</i> , 2010, 136, 283-291.	0.9	55
10	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. <i>Hypertension</i> , 2012, 60, 1213-1219.	1.3	47
11	Type 1 inositol 1,4,5-trisphosphate receptors mediate UTP-induced cation currents, Ca ²⁺ signals, and vasoconstriction in cerebral arteries. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C1376-C1384.	2.1	46
12	Papaya (<i>Carica papaya</i>) consumption is unsafe in pregnancy: fact or fable? Scientific evaluation of a common belief in some parts of Asia using a rat model. <i>British Journal of Nutrition</i> , 2002, 88, 199-203.	1.2	40
13	Caveolin-1 abolishment attenuates the myogenic response in murine cerebral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H1584-H1592.	1.5	38
14	Sulfonylurea Receptor-Dependent and -Independent Pathways Mediate Vasodilation Induced by ATP-Sensitive K ⁺ Channel Openers. <i>Molecular Pharmacology</i> , 2008, 74, 736-743.	1.0	38
15	Changes in endothelial connexin 43 expression inversely correlate with microvessel permeability and VE-cadherin expression in endotoxin-challenged lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L584-L592.	1.3	35
16	TRPC6 channel activation promotes neonatal glomerular mesangial cell apoptosis via calcineurin/NFAT and FasL/Fas signaling pathways. <i>Scientific Reports</i> , 2016, 6, 29041.	1.6	35
17	Tocolytic and toxic activity of papaya seed extract on isolated rat uterus. <i>Life Sciences</i> , 2003, 74, 581-592.	2.0	27
18	Ca _v 1.2 Channel N-terminal Splice Variants Modulate Functional Surface Expression in Resistance Size Artery Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 15058-15066.	1.6	25

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19	RGS2 Regulates Urotensin II-induced Intracellular Ca ²⁺ Elevation and Contraction in Glomerular Mesangial Cells. <i>Journal of Cellular Physiology</i> , 2014, 229, 502-511.	2.0	22
20	Lipid rafts are required for signal transduction by angiotensin II receptor type 1 in neonatal glomerular mesangial cells. <i>Experimental Cell Research</i> , 2014, 324, 92-104.	1.2	22
21	TRPV4 channels contribute to renal myogenic autoregulation in neonatal pigs. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F1136-F1148.	1.3	21
22	Urotensin II-induced store-operated Ca ²⁺ entry contributes to glomerular mesangial cell proliferation and extracellular matrix protein production under high glucose conditions. <i>Scientific Reports</i> , 2017, 7, 18049.	1.6	19
23	Papaya (<i>Carica papaya</i>) consumption is unsafe in pregnancy: fact or fable? Scientific evaluation of a common belief in some parts of Asia using a rat model. <i>British Journal of Nutrition</i> , 2002, 88, 199-203.	1.2	19
24	Activation of the cannabinoid receptor 2 increases renal perfusion. <i>Physiological Genomics</i> , 2019, 51, 90-96.	1.0	16
25	Î³-secretase inhibitor DAPT mitigates cisplatin-induced acute kidney injury by suppressing Notch1 signaling. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 260-270.	1.6	16
26	KCa channel insensitivity to Ca ²⁺ sparks underlies fractional uncoupling in newborn cerebral artery smooth muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H1118-H1125.	1.5	14
27	Hypoxia reduces KCa channel activity by inducing Ca ²⁺ spark uncoupling in cerebral artery smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C2122-C2128.	2.1	14
28	Early septic insult in neonatal pigs increases serum and urinary soluble Fas ligand and decreases kidney function without inducing significant renal apoptosis. <i>Renal Failure</i> , 2017, 39, 83-91.	0.8	14
29	Vasodilation induced by oxygen/glucose deprivation is attenuated in cerebral arteries of SUR2 null mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H1360-H1368.	1.5	13
30	Adenosine A ₁ receptor-operated calcium entry in renal afferent arterioles is dependent on postnatal maturation of TRPC3 channels. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F1216-F1222.	1.3	13
31	CGRPergic Nerve TRPA1 Channels Contribute to Epigallocatechin Gallate-Induced Neurogenic Vasodilation. <i>ACS Chemical Neuroscience</i> , 2019, 10, 216-220.	1.7	13
32	Modulation of Jejunal Contractions by Extract of <i>Carica papaya</i> L. Seeds. <i>Phytotherapy Research</i> , 2005, 19, 628-632.	2.8	12
33	Pharmacological inhibition of TRPV4 channels protects against ischemia-reperfusion-induced renal insufficiency in neonatal pigs. <i>Clinical Science</i> , 2019, 133, 1031-1047.	1.8	11
34	Interleukin 1 beta-induced calcium signaling via TRPA1 channels promotes mitogen-activated protein kinase-dependent mesangial cell proliferation. <i>FASEB Journal</i> , 2021, 35, e21729.	0.2	11
35	Pressor and renal regional hemodynamic effects of urotensin II in neonatal pigs. <i>Journal of Endocrinology</i> , 2013, 217, 317-326.	1.2	9
36	Novel Treatments from Inhibition of the Intestinal Sodium-Hydrogen Exchanger 3. <i>International Journal of Nephrology and Renovascular Disease</i> , 2021, Volume 14, 411-420.	0.8	9

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37	Effect of benzyl isothiocyanate on spontaneous and induced force of rat uterine contraction. <i>Pharmacological Research</i> , 2004, 49, 415-422.	3.1	8
38	Early onset of renal oxidative stress in small for gestational age newborn pigs. <i>Redox Report</i> , 2019, 24, 10-16.	1.4	8
39	Mesenchymal stem cell secretome protects against oxidative stress-induced ocular blast visual pathologies. <i>Experimental Eye Research</i> , 2022, 215, 108930.	1.2	8
40	Altered cGMP Dynamics at the Plasma Membrane Contribute to Diarrhea in Ulcerative Colitis. <i>American Journal of Pathology</i> , 2015, 185, 2790-2804.	1.9	7
41	Acute hydroxyurea treatment reduces tubular damage following bilateral ischemia-reperfusion injury in a mouse model of sickle cell disease. <i>Biochemical and Biophysical Research Communications</i> , 2019, 515, 72-76.	1.0	7
42	Effect of caffeine on response of rabbit isolated corpus cavernosum to high K ⁺ solution, noradrenaline and transmural electrical stimulation. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2004, 31, 82-85.	0.9	6
43	Mechanisms of the Oxytocic Activity of Papaya Proteinases. <i>Pharmaceutical Biology</i> , 2005, 42, 646-655.	1.3	6
44	Postnatal kidney maturation regulates renal artery myogenic constriction. <i>Journal of Perinatal Medicine</i> , 2015, 43, 119-122.	0.6	6
45	Oxytocic activity of thrombin: modulation of thrombin-induced gravid rat myometrial contractions by 5-hydroxytryptamine receptor antagonists. <i>Journal of Perinatal Medicine</i> , 2004, 32, 126-31.	0.6	4
46	Oxidant-induced increase in norepinephrine secretion from PC12 cells is dependent on TRPM8 channel-mediated intracellular calcium elevation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 709-715.	1.0	4
47	Doxorubicin-Induced Fetal Mesangial Cell Death Occurs Independently of TRPC6 Channel Upregulation but Involves Mitochondrial Generation of Reactive Oxygen Species. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7589.	1.8	4
48	K _v 7.1 channel blockade inhibits neonatal renal autoregulation triggered by a step decrease in arterial pressure. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 322, F197-F207.	1.3	4
49	Organ Growth and Intestinal Functions of Preterm Pigs Fed Low and High Protein Formulas With or Without Supplemental Leucine or Hydroxymethylbutyrate as Growth Promoters. <i>Frontiers in Nutrition</i> , 2021, 8, 687703.	1.6	3
50	Renal vascular TRP channels. <i>Current Research in Physiology</i> , 2021, 4, 17-23.	0.8	3
51	Induction of reactive oxygen species by mechanical stretch drives endothelin production in neonatal pig renal epithelial cells. <i>Redox Biology</i> , 2022, 55, 102394.	3.9	3
52	Effect of Crude Papaya Latex on Rats' Pregnancy. , 2004, , 123-129.		0
53	Hypoxia inhibits transients K _{Ca} currents to limit cerebral artery dilation. <i>FASEB Journal</i> , 2006, 20, A304.	0.2	0
54	MEMBRANE DEPOLARIZATION COUPLES Ca ²⁺ SPARKS TO K _{Ca} CHANNELS IN NEWBORN ARTERIAL SMOOTH MUSCLE CELLS. <i>FASEB Journal</i> , 2006, 20, A304.	0.2	0

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55	The myogenic response is suppressed in cerebral arteries of caveolin-1 deficient mice. FASEB Journal, 2006, 20, A303.	0.2	0
56	Caveolin-1 ablation induces functional K _{Ca} channel activation and attenuates the myogenic response in cerebral arteries. FASEB Journal, 2007, 21, A521.	0.2	0
57	Hydrogen sulfide dilates cerebral arterioles by activating smooth muscle cell plasma membrane K ⁺ ATP channels. FASEB Journal, 2011, 25, 1026.8.	0.2	0
58	Urotensin II-induced Store-Operated Ca ²⁺ Entry Stimulates CAMKII/CREB-Dependent Glomerular Mesangial Cell Proliferation and Extracellular Matrix Accumulation. FASEB Journal, 2015, 29, 808.7.	0.2	0
59	TRPC6 Channel-Mediated Neonatal Glomerular Mesangial Cell Apoptosis Involves Activation of Calcineurin/Nuclear Factor of Activated T-Cell Signaling. FASEB Journal, 2015, 29, 784.3.	0.2	0
60	Doxorubicin-induced fetal glomerular mesangial cell apoptosis involves NADPH oxidase-dependent reactive oxygen species generation. FASEB Journal, 2018, 32, 616.3.	0.2	0
61	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