Keshore R Bidasee

List of Publications by Year
in descending order

51 papers	1,485 citations	331670 21 h-index	315739 38 g-index
52 all docs	52 docs citations	52 times ranked	1659 citing authors

#	Article	IF	Citations
1	Diabetes Increases Formation of Advanced Glycation End Products on Sarco(endo)plasmic Reticulum Ca2+-ATPase. Diabetes, 2004, 53, 463-473.	0.6	204
2	Chronic Diabetes Increases Advanced Glycation End Products on Cardiac Ryanodine Receptors/Calcium-Release Channels. Diabetes, 2003, 52, 1825-1836.	0.6	123
3	Exercise training during diabetes attenuates cardiac ryanodine receptor dysregulation. Journal of Applied Physiology, 2009, 106, 1280-1292.	2.5	82
4	Dyssynchronous (non-uniform) Ca2+ release in myocytes from streptozotocin-induced diabetic rats. Journal of Molecular and Cellular Cardiology, 2007, 42, 234-246.	1.9	81
5	A Glutathione-independent Glyoxalase of the DJ-1 Superfamily Plays an Important Role in Managing Metabolically Generated Methylglyoxal in Candida albicans. Journal of Biological Chemistry, 2014, 289, 1662-1674.	3.4	75
6	Carbonylation Contributes to SERCA2a Activity Loss and Diastolic Dysfunction in a Rat Model of Type 1 Diabetes. Diabetes, 2011, 60, 947-959.	0.6	74
7	Methylglyoxal induces endoplasmic reticulum stress and DNA demethylation in the Keap1 promoter of human lens epithelial cells and age-related cataracts. Free Radical Biology and Medicine, 2014, 72, 134-148.	2.9	73
8	Ryanodine and inositol trisphosphate receptors are differentially distributed and expressed in rat parotid gland. Biochemical Journal, 1999, 340, 519-527.	3.7	61
9	Valproic acid suppresses Nrf2/Keap1 dependent antioxidant protection through induction of endoplasmic reticulum stress and Keap1 promoter DNA demethylation in human lens epithelial cells. Experimental Eye Research, 2014, 121, 26-34.	2.6	59
10	Left ventricle structural remodelling in the prediabetic Goto-Kakizaki rat. Experimental Physiology, 2011, 96, 875-888.	2.0	51
11	Selenite cataracts: Activation of endoplasmic reticulum stress and loss of Nrf2/Keap1-dependent stress protection. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1794-1805.	3.8	49
12	Ryanodine Receptor Dysfunction in Hearts of Streptozotocin-Induced Diabetic Rats. Molecular Pharmacology, 2001, 60, 1356-1364.	2.3	47
13	Streptozotocin-Induced Diabetes Increases Disulfide Bond Formation on Cardiac Ryanodine Receptor (RyR2). Journal of Pharmacology and Experimental Therapeutics, 2003, 305, 989-998.	2.5	47
14	Carbonylation Induces Heterogeneity in Cardiac Ryanodine Receptor Function in Diabetes Mellitus. Molecular Pharmacology, 2012, 82, 383-399.	2.3	37
15	Gain of function of cardiac ryanodine receptor in a rat model of type 1 diabetes. Cardiovascular Research, 2011, 91, 300-309.	3.8	36
16	Dysfunction of cardiac ryanodine receptors in the metabolic syndrome. Journal of Molecular and Cellular Cardiology, 2006, 41, 108-114.	1.9	32
17	Exercise training initiated after the onset of diabetes preserves myocardial function: effects on expression of Î²-adrenoceptors. Journal of Applied Physiology, 2008, 105, 907-914.	2.5	32
18	Carbonylation of myosin heavy chains in rat heart during diabetes. Biochemical Pharmacology, 2010, 80, 205-217.	4.4	32

#	Article	IF	Citations
19	Title is missing!. Molecular and Cellular Biochemistry, 2003, 249, 113-123.	3.1	31
20	Reactive carbonyl species and their roles in sarcoplasmic reticulum Ca2+ cycling defect in the diabetic heart. Heart Failure Reviews, 2014, 19, 101-112.	3.9	28
21	Insulin regulation of glutathione and contractile phenotype in diabetic rat ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H1619-H1629.	3.2	24
22	Diabetes decreases mRNA levels of calcium-release channels in human atrial appendage. Molecular and Cellular Biochemistry, 2004, 263, 143-150.	3.1	20
23	Smooth muscleâ€generated methylglyoxal impairs endothelial cellâ€mediated vasodilatation of cerebral microvessels in type 1 diabetic rats. British Journal of Pharmacology, 2016, 173, 3307-3326.	5.4	17
24	Diketopyridylryanodine Has Three Concentration-dependent Effects on the Cardiac Calcium-release Channel/Ryanodine Receptor. Journal of Biological Chemistry, 2003, 278, 14237-14248.	3.4	16
25	Chronic diabetes alters function and expression of ryanodine receptor calcium-release channels in rat hearts. Molecular and Cellular Biochemistry, 2003, 249, 113-23.	3.1	16
26	Structure-Function Relationships among Ryanodine Derivatives. Journal of Biological Chemistry, 1998, 273, 12176-12186.	3.4	15
27	Malondialdehyde and 4-hydroxynonenal adducts are not formed on cardiac ryanodine receptor (RyR2) and sarco(endo)plasmic reticulum Ca2+-ATPase (SERCA2) in diabetes. Molecular and Cellular Biochemistry, 2013, 376, 121-135.	3.1	14
28	Identity and localization of advanced glycation end products on human Î²2-microglobulin using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Analytical Biochemistry, 2003, 314, 322-325.	2.4	12
29	Effects of ryanodine on calcium sparks in cut twitch fibres ofRana temporaria. Journal of Physiology, 2001, 534, 327-342.	2.9	11
30	Decreased expression of beta1- and beta2-adrenoceptors in human diabetic atrial appendage. Cardiovascular Diabetology, 2003, 2, 6.	6.8	11
31	C10-Oe-N-(4-azido-5-125iodo salicyloyl)-Î²-alanyl-Î² alanyl ryanodine (Az-Î²AR), a novel photo-affinity ligand for the ryanodine binding site. Journal of Labelled Compounds and Radiopharmaceuticals, 1994, 34, 33-47.	1.0	9
32	FMLP-, thapsigargin-, and H2O2-evoked changes in intracellular free calcium concentration in lymphocytes and neutrophils of type 2 diabetic patients. Molecular and Cellular Biochemistry, 2014, 387, 251-260.	3.1	9
33	Diabetes decreases mRNA levels of calcium-release channels in human atrial appendage. Molecular and Cellular Biochemistry, 2004, 263, 143-50.	3.1	9
34	Adeno-Associated Viral Transfer of Glyoxalase-1 Blunts Carbonyl and Oxidative Stresses in Hearts of Type 1 Diabetic Rats. Antioxidants, 2020, 9, 592.	5.1	8
35	Effects of Ryanoids on Spontaneous and Depolarization-Evoked Calcium Release Events in Frog Muscle. Biophysical Journal, 2004, 87, 243-255.	0.5	6
36	Chronic diabetes alters function and expression of ryanodine receptor calcium-release channels in rat hearts. , 2003, , 113-123.		6

#	Article	IF	Citations
37	Chloroform extract of hog barn dust modulates skeletal muscle ryanodine receptor calcium-release channel (RyR1). Journal of Applied Physiology, 2010, 109, 830-839.	2.5	5
38	HIV-1-Associated Left Ventricular Cardiac Dysfunction in Humanized Mice. Scientific Reports, 2020, 10, 9746.	3.3	5
39	Efavirenz, atazanavir, and ritonavir disrupt sarcoplasmic reticulum Ca2+ homeostasis in skeletal muscles. Antiviral Research, 2021, 187, 104975.	4.1	4
40	Effects of Diabetes-Induced Hyperglycemia in the Heart: Biochemical and Structural Alterations. , 2014, , 77-106.		3
41	A Link Between Methylglyoxal and Heart Failure During HIV-1 Infection. Frontiers in Cardiovascular Medicine, 2021, 8, 792180.	2.4	3
42	Diabetes alter mRNA levels of calcium-release channels in human atrial appendage. Journal of Molecular and Cellular Cardiology, 2002, 34, A84.	1.9	2
43	<scp>CCDI</scp>: a new ligand that modulates mammalian type 1 ryanodine receptor (<scp>R</scp>y<scp>R</scp>1). British Journal of Pharmacology, 2014, 171, 4097-4111.	5.4	2
44	Elevated plasma level of the glycolysis byproduct methylglyoxal on admission is an independent biomarker of mortality in ICU COVID-19 patients. Scientific Reports, 2022, 12, .	3.3	2
45	Dust from hog confinement facilities impairs Ca2+ mobilization from sarco(endo)plasmic reticulum by inhibiting ryanodine receptors. Journal of Applied Physiology, 2013, 114, 665-674.	2.5	1
46	GLYOXAL AND METHYLGLYOXAL BUT NOT 4â€HYDROXYNONENAL AND MALONDIALDEHYDE FORM ADDUCTS ON CARDIAC RYANODINE RECEPTOR (RyR2) AND SARCO(ENDO)PLASMIC RETICULUM Ca2+ ATPASE (SERCA2) IN DIABETES. FASEB Journal, 2013, 27, 1192.15.	0.5	1
47	CARBONYLATION CONTRIBUTES TO SERCA2 ACTIVITY LOSS DURING DIABETES. FASEB Journal, 2009, 23, 989.2.	0.5	0
48	Carbonylation Induces Ryanodine Receptor Dysregulation During Diabetes. FASEB Journal, 2012, 26, 1057.2.	0.5	0
49	Mechanisms of intracellular calcium elevation in human airway epithelial cells by an airway diseaseâ€relevant extract of hogâ€barn dust. FASEB Journal, 2013, 27, 913.49.	0.5	0
50	Mechanisms of Diabetes Mellitus-Induced Sudden CardiacÂDeath. , 0, , .		0
51	Methylglyoxal and Its Role in Obesity-Associated Heart Failure with Preserved Ejection Fraction. , 2021, , 353-372.		0