

Jaipaul Singh

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,844
citations

331670

21
h-index

265206

42
g-index

61
all docs

61
docs citations

61
times ranked

3305
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective activation of AMPK or PKB or TSC2-mTOR signaling can explain specific adaptive responses to endurance or resistance training like electrical muscle stimulation. <i>FASEB Journal</i> , 2005, 19, 1-23.	0.5	391
2	Inflammatory Process in Type 2 Diabetes: The Role of Cytokines. <i>Annals of the New York Academy of Sciences</i> , 2006, 1084, 89-117.	3.8	255
3	Medicinal Chemistry of the Anti-Diabetic Effects of <i>Momordica Charantia</i> : Active Constituents and Modes of Actions. <i>Open Medicinal Chemistry Journal</i> , 2011, 5, 70-77.	2.4	95
4	Protein kinase C and cardiac dysfunction: a review. <i>Heart Failure Reviews</i> , 2017, 22, 843-859.	3.9	81
5	Structural changes in the myocardium during diabetes-induced cardiomyopathy. <i>Heart Failure Reviews</i> , 2014, 19, 15-23.	3.9	79
6	Calcium-magnesium interactions in pancreatic acinar cells. <i>FASEB Journal</i> , 2001, 15, 659-672.	0.5	61
7	Pathogenesis and pathophysiology of accelerated atherosclerosis in the diabetic heart. <i>Molecular and Cellular Biochemistry</i> , 2009, 331, 89-116.	3.1	53
8	Left ventricle structural remodelling in the prediabetic Goto-Kakizaki rat. <i>Experimental Physiology</i> , 2011, 96, 875-888.	2.0	51
9	Age-related changes in morphology and secretory responses of male rat lacrimal gland. <i>Journal of the Autonomic Nervous System</i> , 1998, 69, 173-183.	1.9	47
10	Pathogenesis of Painful Diabetic Neuropathy. <i>Pain Research and Treatment</i> , 2014, 2014, 1-7.	1.7	46
11	Mechanisms of COVID-19-induced heart failure: a short review. <i>Heart Failure Reviews</i> , 2021, 26, 363-369.	3.9	46
12	The Nrf2 Activator (DMF) and Covid-19: Is there a Possible Role?. <i>Medicinski Arhiv = Medical Archives = Archives De Médecine</i> , 2020, 74, 134.	0.9	43
13	Mechanism of the beneficial and protective effects of exenatide in diabetic rats. <i>Journal of Endocrinology</i> , 2014, 220, 291-304.	2.6	41
14	Mechanism of Exocrine Pancreatic Insufficiency in Streptozotocin-Induced Type 1 Diabetes Mellitus. <i>Annals of the New York Academy of Sciences</i> , 2006, 1084, 71-88.	3.8	40
15	Hyperglycemia-induced cardiac contractile dysfunction in the diabetic heart. <i>Heart Failure Reviews</i> , 2018, 23, 37-54.	3.9	38
16	Medicinal Chemistry and Applications of Incretins and DPP-4 Inhibitors in the Treatment of Type 2 Diabetes Mellitus. <i>Open Medicinal Chemistry Journal</i> , 2011, 5, 82-92.	2.4	34
17	Effects of Streptozotocin-Induced Diabetes on Contraction and Calcium Transport in Rat Ventricular Cardiomyocytes. <i>Annals of the New York Academy of Sciences</i> , 2006, 1084, 208-222.	3.8	32
18	Chronic effects of mild hyperglycaemia on left ventricle transcriptional profile and structural remodelling in the spontaneously type 2 diabetic Goto-Kakizaki rat. <i>Heart Failure Reviews</i> , 2014, 19, 65-74.	3.9	30

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19	Effect of $\hat{1}\pm, \hat{1}^2$ momorcharin on viability, caspase activity, cytochrome c release and on cytosolic calcium levels in different cancer cell lines. <i>Molecular and Cellular Biochemistry</i> , 2014, 388, 233-240.	3.1	29
20	The prevalence, type and severity of cardiovascular disease in diabetic and non-diabetic patients: A matched-paired retrospective analysis using coronary angiography as the diagnostic tool. <i>Molecular and Cellular Biochemistry</i> , 2004, 261, 263-269.	3.1	28
21	Effect of Cinnamon Tea on Postprandial Glucose Concentration. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-6.	2.3	26
22	Effect of Streptozotocin-Induced Type 1 Diabetes Mellitus on Contraction, Calcium Transient, and Cation Contents in the Isolated Rat Heart. <i>Annals of the New York Academy of Sciences</i> , 2006, 1084, 178-190.	3.8	19
23	Prevalence of Painful Diabetic Neuropathy Using the Self-Completed Leeds Assessment of Neuropathic Symptoms and Signs Questionnaire in a Population with Diabetes. <i>Canadian Journal of Diabetes</i> , 2015, 39, 285-295.	0.8	19
24	Nitric oxide and the pancreas: morphological base and role in the control of the exocrine pancreatic secretion. <i>Molecular and Cellular Biochemistry</i> , 2001, 219, 107-120.	3.1	18
25	Interaction of Islet Hormones with Cholecystokinin Octapeptide-Evoked Secretory Responses in the Isolated Pancreas of Normal and Diabetic Rats. <i>Experimental Physiology</i> , 1999, 84, 299-318.	2.0	17
26	Recent Progress in the Use of Glucagon and Glucagon Receptor Antagonists in the Treatment of Diabetes Mellitus. <i>Open Medicinal Chemistry Journal</i> , 2014, 8, 28-35.	2.4	17
27	Effects of secretagogues on intracellular free calcium and magnesium concentrations in rat pancreatic acinar cells. <i>General Pharmacology</i> , 1992, 23, 903-908.	0.7	16
28	IS VIP THE PUTATIVE NON-CHOLINERGIC, NON-ADRENERGIC NEUROTRANSMITTER CONTROLLING PROTEIN SECRETION IN RAT LACRIMAL GLANDS?. <i>Quarterly Journal of Experimental Physiology (Cambridge)</i> , Tj ETQq0 0 0 rgB0/Overlock 10 Tf 50		
29	Regional effects of streptozotocin-induced diabetes on shortening and calcium transport in epicardial and endocardial myocytes from rat left ventricle. <i>Physiological Reports</i> , 2016, 4, e13034.	1.7	14
30	Type 1 diabetes mellitus induces structural changes and molecular remodelling in the rat kidney. <i>Molecular and Cellular Biochemistry</i> , 2018, 449, 9-25.	3.1	13
31	Effects of nerve stimulation on enzyme secretion from the in vitro rat pancreas and ^3H -release after preincubation with catecholamines. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1984, 327, 228-233.	3.0	12
32	Early postnatal changes in sarcoplasmic reticulum calcium transport function in spontaneously hypertensive rats. <i>Molecular and Cellular Biochemistry</i> , 1996, 163-164, 57-66.	3.1	11
33	The role of magnesium in regulating CCK-8-evoked secretory responses in the exocrine rat pancreas. <i>Molecular and Cellular Biochemistry</i> , 1996, 154, 123-132.	3.1	10
34	Effects of extracellular Mg^{2+} concentration on intracellular signalling and acid secretion in rat gastric parietal cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1997, 1358, 279-288.	4.1	10
35	Effects of ageing on morphology, amylase release, cytosolic Ca^{2+} signals and acyl lipids in isolated rat parotid gland tissue. <i>Molecular and Cellular Biochemistry</i> , 2004, 266, 199-208.	3.1	9
36	Effect of hydrogen peroxide on secretory response, calcium mobilisation and caspase-3 activity in the isolated rat parotid gland. <i>Molecular and Cellular Biochemistry</i> , 2008, 319, 23-31.	3.1	9

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37	FMLP-, thapsigargin-, and H ₂ O ₂ -evoked changes in intracellular free calcium concentration in lymphocytes and neutrophils of type 2 diabetic patients. <i>Molecular and Cellular Biochemistry</i> , 2014, 387, 251-260.	3.1	9
38	EXTRACELLULAR MAGNESIUM REGULATES ACETYLCHOLINE-EVOKED AMYLASE SECRETION AND CALCIUM MOBILIZATION IN RAT PANCREATIC ACINAR CELLS. <i>Quarterly Journal of Experimental Physiology</i> (Cambridge, England), 1989, 74, 747-750.	1.0	8
39	Effect of sodium nitroprusside and 8-bromo cyclic GMP on nerve-mediated and acetylcholine-evoked secretory responses in the rat pancreas. <i>British Journal of Pharmacology</i> , 2002, 136, 49-56.	5.4	8
40	Calcium Signaling in the Ventricular Myocardium of the Goto-Kakizaki Type 2 Diabetic Rat. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-15.	2.3	7
41	Mechanisms underlying electro-mechanical dysfunction in the Zucker diabetic fatty rat heart: a model of obesity and type 2 diabetes. <i>Heart Failure Reviews</i> , 2020, 25, 873-886.	3.9	7
42	Halothane alters contractility and Ca ²⁺ transport in ventricular myocytes from streptozotocin-induced diabetic rats. <i>Molecular and Cellular Biochemistry</i> , 2004, 261, 251-261.	3.1	6
43	Angiotensin receptors in Dupuytren's disease: a target for pharmacological treatment?. <i>Journal of Plastic Surgery and Hand Surgery</i> , 2018, 52, 37-39.	0.8	6
44	A review on diabetic foot challenges in Guyanese perspective. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2019, 13, 905-912.	3.6	6
45	Effects of rilpivirine, 17 β -estradiol and β -naphthoflavone on the inflammatory status of release of adipocytokines in 3T3-L1 adipocytes in vitro. <i>Molecular Biology Reports</i> , 2019, 46, 2643-2655.	2.3	5
46	Calcium signaling in endocardial and epicardial ventricular myocytes from streptozotocin-induced diabetic rats. <i>Journal of Diabetes Investigation</i> , 2021, 12, 493-500.	2.4	5
47	Mechanisms Underlying Contractile Dysfunction in Streptozotocin-Induced Type 1 and Type 2 Diabetic Cardiomyopathy. <i>Progress in Experimental Cardiology</i> , 2003, , 387-408.	0.0	5
48	Cell shortening and calcium dynamics in epicardial and endocardial myocytes from the left ventricle of Goto-Kakizaki type 2 diabetic rats. <i>Experimental Physiology</i> , 2018, 103, 502-511.	2.0	4
49	Voltage dependence of the Ca ²⁺ transient in endocardial and epicardial myocytes from the left ventricle of Goto-Kakizaki type 2 diabetic rats. <i>Molecular and Cellular Biochemistry</i> , 2018, 446, 25-33.	3.1	3
50	ACETYLCHOLINE-EVOKED POTASSIUM AND SODIUM TRANSPORT IN RAT LACRIMAL SEGMENTS: EVIDENCE FOR A SODIUM-CHLORIDE CO-TRANSPORT SYSTEM. <i>Quarterly Journal of Experimental Physiology</i> (Cambridge, Tj ETQq100 0 rgB2/Overlock		
51	Effects of serum, its protein and lipid extracts, and commercial serum proteins and lipid on the isolated frog heart. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1991, 161, 303-310.	1.5	2
52	Magnesium calcium signalling in rat parotid acinar cells: effects of acetylcholine. <i>Molecular and Cellular Biochemistry</i> , 2007, 307, 193-207.	3.1	2
53	Effect of the anti-retroviral drug, rilpivirine, on human subcutaneous adipose cells and its nutritional management using quercetin. <i>Molecular and Cellular Biochemistry</i> , 2020, 471, 1-13.	3.1	2
54	Title is missing!. <i>Molecular and Cellular Biochemistry</i> , 1997, 176, 127-134.	3.1	1

#	ARTICLE	IF	CITATIONS
55	Cellular and Biochemical Mechanisms Driving the Susceptibility of Obese Subjects to Covid-19 Infection. , 2021, , 105-118.		1
56	Effect of extracellular magnesium on secretagogue-evoked amylase secretion in the isolated rat parotid gland segments. Magnesium Research, 2002, 15, 161-5.	0.5	1
57	Detection and Pharmacokinetics of Etoricoxib in Thoroughbred Horses. Journal of Equine Veterinary Science, 2020, 88, 102942.	0.9	0
58	Anticancer effects of $\hat{1}\pm$, $\hat{1}^2$ Momorcharin and its mechanism of action on different cancer cell lines. FASEB Journal, 2012, 26, 1065.5.	0.5	0
59	Mechanisms of Diabetes Mellitus-Induced Sudden Cardiac Death. , 0, , .		0
60	Cellular and Molecular Effects of Obesity on the Heart. , 2021, , 167-183.		0
61	Bitter Melon in Combination with Diet Modification and Regular Exercise Can Prevent and Treat Obesity and Hypertension Cost-Effectively. , 2021, , 389-408.		0