

Paul Edward Squires

List of Publications by Year in descending order

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73
papers

2,844
citations

218381

26
h-index

174990

52
g-index

75
all docs

75
docs citations

75
times ranked

3481
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of 25-hydroxyvitamin D3-1 α -hydroxylase in pancreatic islets. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2004, 89-90, 121-125.	1.2	296
2	Loss of functional KATP channels in pancreatic β cells causes persistent hyperinsulinemic hypoglycemia of infancy. <i>Nature Medicine</i> , 1996, 2, 1344-1347.	15.2	242
3	Pancreatic beta-cell-to-beta-cell interactions are required for integrated responses to nutrient stimuli: enhanced Ca ²⁺ and insulin secretory responses of MIN6 pseudoislets. <i>Diabetes</i> , 1999, 48, 1402-1408.	0.3	233
4	The role of TGF- β 2 and epithelial-to mesenchymal transition in diabetic nephropathy. <i>Cytokine and Growth Factor Reviews</i> , 2011, 22, 131-9.	3.2	192
5	TGF- β 1-Induced Epithelial-to-Mesenchymal Transition and Therapeutic Intervention in Diabetic Nephropathy. <i>American Journal of Nephrology</i> , 2010, 31, 68-74.	1.4	178
6	Function and expression of melatonin receptors on human pancreatic islets. <i>Journal of Pineal Research</i> , 2008, 44, 273-279.	3.4	150
7	Mechanism of action of the calcium-sensing receptor in human antral gastrin cells. <i>Gastroenterology</i> , 2001, 120, 1128-1139.	0.6	99
8	Phorbol ester-stimulated NF- κ B-dependent transcription: Roles for isoforms of novel protein kinase C. <i>Cellular Signalling</i> , 2008, 20, 1338-1348.	1.7	93
9	E-Cadherin and Cell Adhesion: a Role in Architecture and Function in the Pancreatic Islet. <i>Cellular Physiology and Biochemistry</i> , 2007, 20, 987-994.	1.1	80
10	TGF β 2 modulates cell-to-cell communication in early epithelial-to-mesenchymal transition. <i>Diabetologia</i> , 2012, 55, 812-824.	2.9	80
11	Activation of the extracellular calcium-sensing receptor initiates insulin secretion from human islets of Langerhans: involvement of protein kinases. <i>Journal of Endocrinology</i> , 2006, 190, 703-710.	1.2	75
12	C-Peptide as a Therapeutic Tool in Diabetic Nephropathy. <i>American Journal of Nephrology</i> , 2010, 31, 389-397.	1.4	65
13	High Glucose Up-Regulates ENaC and SGK1 Expression in HCD-Cells. <i>Cellular Physiology and Biochemistry</i> , 2006, 18, 337-346.	1.1	52
14	A Key Role for β -Cell Cytosolic Phospholipase A2 in the Maintenance of Insulin Stores But Not in the Initiation of Insulin Secretion. <i>Diabetes</i> , 2002, 51, 98-104.	0.3	48
15	Elevation of cytosolic calcium by imidazolines in mouse islets of Langerhans: implications for stimulus-response coupling of insulin release. <i>British Journal of Pharmacology</i> , 1996, 119, 911-916.	2.7	46
16	ATP-induced intracellular Ca ²⁺ signals in isolated human insulin-secreting cells. <i>Pflügers Archiv European Journal of Physiology</i> , 1994, 427, 181-183.	1.3	44
17	Role of adenine nucleotides in insulin secretion from MIN6 pseudoislets. <i>Molecular and Cellular Endocrinology</i> , 2002, 191, 167-176.	1.6	43
18	Synchronization of Ca ²⁺ -signals within insulin-secreting pseudoislets: effects of gap-junctional uncouplers. <i>Cell Calcium</i> , 2000, 27, 287-296.	1.1	38

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19	Human Granulosa-Lutein Cells Express Functional EP1 and EP2 Prostaglandin Receptors. <i>Biochemical and Biophysical Research Communications</i> , 2001, 285, 1089-1094.	1.0	33
20	A Role for the Extracellular Calcium-Sensing Receptor in Cell-Cell Communication in Pancreatic Islets of Langerhans. <i>Cellular Physiology and Biochemistry</i> , 2008, 22, 557-566.	1.1	33
21	Glucose-evoked alterations in connexin43-mediated cell-to-cell communication in human collecting duct: a possible role in diabetic nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, F1045-F1051.	1.3	32
22	'Special K' and a Loss of Cell-To-Cell Adhesion in Proximal Tubule-Derived Epithelial Cells: Modulation of the Adherens Junction Complex by Ketamine. <i>PLoS ONE</i> , 2013, 8, e71819.	1.1	32
23	Transforming Growth Factor Beta 1 Drives a Switch in Connexin Mediated Cell-to-Cell Communication in Tubular Cells of the Diabetic Kidney. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 2369-2388.	1.1	32
24	Calcium-Sensing Receptor Activation Increases Cell-Cell Adhesion and Ca^{2+} -Cell Function. <i>Cellular Physiology and Biochemistry</i> , 2012, 30, 575-586.	1.1	28
25	Blocking Connexin-43 mediated hemichannel activity protects against early tubular injury in experimental chronic kidney disease. <i>Cell Communication and Signaling</i> , 2020, 18, 79.	2.7	28
26	Signaling through the p38 and p42/44 Mitogen-Activated Families of Protein Kinases in Pancreatic β -Cell Proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2000, 268, 541-546.	1.0	27
27	Co-ordinated Ca^{2+} -signalling within pancreatic islets: does β -cell entrainment require a secreted messenger. <i>Cell Calcium</i> , 2002, 31, 209-219.	1.1	26
28	Potassium Channels, Imidazolines, and Insulin-Secreting Cells. <i>Annals of the New York Academy of Sciences</i> , 1995, 763, 243-261.	1.8	25
29	Mechanisms involved in ATP-evoked Ca^{2+} oscillations in isolated human granulosa-luteal cells. <i>Cell Calcium</i> , 1997, 21, 365-374.	1.1	25
30	Quantifying cellular mechanics and adhesion in renal tubular injury using single cell force spectroscopy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1013-1021.	1.7	25
31	Mind the gap: connexins and cell-cell communication in the diabetic kidney. <i>Diabetologia</i> , 2015, 58, 233-241.	2.9	23
32	Expression and function of the extracellular calcium-sensing receptor in pancreatic β -cells. <i>Archives of Physiology and Biochemistry</i> , 2007, 113, 98-103.	1.0	22
33	Serum and glucocorticoid regulated kinase and disturbed renal sodium transport in diabetes. <i>Journal of Endocrinology</i> , 2008, 199, 343-349.	1.2	21
34	Uncoupling of Nutrient Metabolism From Insulin Secretion by Overexpression of Cytosolic Phospholipase A2. <i>Diabetes</i> , 2005, 54, 116-124.	0.3	19
35	TGF- β 1 Mediates Glucose-evoked Up-regulation of Connexin-43 Cell-to-cell Communication in HCD-cells. <i>Cellular Physiology and Biochemistry</i> , 2009, 24, 177-186.	1.1	19
36	Functional Expression of TRPV4 Channels in Human Collecting Duct Cells: Implications for Secondary Hypertension in Diabetic Nephropathy. <i>Experimental Diabetes Research</i> , 2012, 2012, 1-9.	3.8	19

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37	Quantitative investigation of calcimimetic R568 on beta cell adhesion and mechanics using AFM single-cell force spectroscopy. <i>FEBS Letters</i> , 2014, 588, 1178-1183.	1.3	19
38	Interdependence of steroidogenesis and shape changes in Y1 adrenocortical cells: studies with inhibitors of phosphoprotein phosphatases. <i>Journal of Endocrinology</i> , 2002, 172, 583-593.	1.2	18
39	Effect of 17 β -Estradiol on Insulin Secretion and Cytosolic Calcium in Min6 Mouse Insulinoma Cells and Human Islets of Langerhans. <i>Pancreas</i> , 2005, 30, 307-313.	0.5	18
40	Effect of cholinergic agonists on gastrin release from primary cultures of human antral G cells. <i>Gastroenterology</i> , 1997, 112, 357-363.	0.6	17
41	The putative imidazoline receptor agonist, harmaline, promotes intracellular calcium mobilisation in pancreatic β -cells. <i>European Journal of Pharmacology</i> , 2004, 501, 31-39.	1.7	17
42	The Calcium-Sensing Receptor and β -Cell Function. <i>Vitamins and Hormones</i> , 2014, 95, 249-267.	0.7	16
43	Polymyxin B has multiple blocking actions on the ATP-sensitive potassium channel in insulin-secreting cells. <i>Pflügers Archiv European Journal of Physiology</i> , 1994, 426, 31-39.	1.3	15
44	Comparative Effects of Efaroxan and b-Carbolines on the Secretory Activity of Rodent and Human β Cells. <i>Annals of the New York Academy of Sciences</i> , 2003, 1009, 167-174.	1.8	15
45	The calcium-sensing receptor and insulin secretion: a role outside systemic control 15 years on. <i>Journal of Endocrinology</i> , 2008, 199, 1-4.	1.2	15
46	Nanomechanical Investigation of Soft Biological Cell Adhesion using Atomic Force Microscopy. <i>Cellular and Molecular Bioengineering</i> , 2015, 8, 22-31.	1.0	13
47	Bombesin-evoked gastrin release and calcium signaling in human antral G cells in culture. <i>American Journal of Physiology - Renal Physiology</i> , 1999, 276, G227-G237.	1.6	11
48	Collagen I Modifies Connexin-43 Hemichannel Activity via Integrin α 2 β 1 Binding in TGF β 1-Evoked Renal Tubular Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3644.	1.8	11
49	Colocalization Between β -Catenin and Insulin Suggests a Novel Role for the Adherens Junction in β -Cell Function. <i>Pancreas</i> , 2007, 34, 170-171.	0.5	10
50	17 β -Estradiol Elevates cGMP and, via Plasma Membrane Recruitment of Protein Kinase G β , Stimulates Ca ²⁺ Efflux from Rat Hepatocytes. <i>Journal of Biological Chemistry</i> , 2010, 285, 27201-27212.	1.6	10
51	Glucose decreases extracellular adenosine levels in isolated mouse and rat pancreatic islets. <i>Islets</i> , 2012, 4, 64-70.	0.9	10
52	Similarities of K ⁺ ATP Channel Expression and Ca ²⁺ Changes in Pancreatic β Cells and Hypothalamic Neurons. <i>Pancreas</i> , 2005, 30, 227-232.	0.5	9
53	Atrial Natriuretic Peptide Attenuates Elevations in Ca ²⁺ and Protects Hepatocytes by Stimulating Net Plasma Membrane Ca ²⁺ Efflux. <i>Journal of Biological Chemistry</i> , 2007, 282, 34542-34554.	1.6	9
54	Visfatin Reduces Gap Junction Mediated Cell-to-Cell Communication in Proximal Tubule-Derived Epithelial Cells. <i>Cellular Physiology and Biochemistry</i> , 2013, 32, 1200-1212.	1.1	9

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55	Purinergic receptor (P2X7) activation reduces cell-cell adhesion between tubular epithelial cells of the proximal kidney. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 22, 102108.	1.7	9
56	Connexin-mediated cell communication in the kidney: A potential therapeutic target for future intervention of diabetic kidney disease?. <i>Experimental Physiology</i> , 2020, 105, 219-229.	0.9	9
57	Calcium-dependent translocation of cytosolic phospholipase A2 in pancreatic β -cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 300, 889-893.	1.0	8
58	The extracellular calcium-sensing receptor in PHH beta cells: does reduced auto-inhibitory input contribute to hypersecretion of insulin?. <i>Diabetologia</i> , 2000, 43, 1078-1080.	2.9	7
59	Depolarizing Stimuli Reduce Ca^{2+} /Calmodulin-Dependent Protein Kinase II Activity in Islets of Langerhans. <i>Biochemical and Biophysical Research Communications</i> , 2000, 270, 1119-1123.	1.0	7
60	Intracellular Ca^{2+} signals in human-derived pancreatic somatostatin-secreting cells (QGP-1N). <i>Pflugers Archiv European Journal of Physiology</i> , 1994, 428, 275-282.	1.3	6
61	ANP stimulates hepatocyte Ca^{2+} efflux via plasma membrane recruitment of PKG. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 965-970.	1.0	6
62	Carboxyfluorescein Dye Uptake to Measure Connexin-mediated Hemichannel Activity in Cultured Cells. <i>Bio-protocol</i> , 2021, 11, e3901.	0.2	5
63	Danegaptide Prevents TGF β 1-Induced Damage in Human Proximal Tubule Epithelial Cells of the Kidney. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2809.	1.8	5
64	Examining Cell-Cell Interactions in the Kidney Using AFM Single-Cell Force Spectroscopy. <i>Methods in Molecular Biology</i> , 2020, 2067, 189-201.	0.4	5
65	Connexin 43: A Target for the Treatment of Inflammation in Secondary Complications of the Kidney and Eye in Diabetes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 600.	1.8	4
66	Effects of 5-hydroxydecanoate on ATP-regulated potassium ion channels in insulin secreting cells. <i>Biochemical Society Transactions</i> , 1993, 21, 427S-427S.	1.6	3
67	Examining Local Cell-to-Cell Signalling in the Kidney Using ATP Biosensing. <i>Methods in Molecular Biology</i> , 2020, 2346, 135-149.	0.4	3
68	Agonist-evoked, repetitive calcium transients in human-derived pancreatic somatostatin-secreting cells (QGP-1N). <i>Biochemical Society Transactions</i> , 1993, 21, 403S-403S.	1.6	1
69	Elevation of intracellular calcium signals in single isolated somatostatin-secreting cells derived from a pancreatic endocrine tumour. <i>Biochemical Society Transactions</i> , 1993, 21, 404S-404S.	1.6	1
70	Modulation of cytoplasmic Ca^{2+} signals in somatostatin-secreting cells (QGP-1N) by glucose. <i>Biochemical Society Transactions</i> , 1994, 22, 9S-9S.	1.6	0
71	The extracellular calcium-sensing receptor evokes MAPK-mediated proliferation in insulin-secreting cells: an effect dependent on cell architecture.. <i>IOSR Journal of Pharmacy and Biological Sciences</i> , 2014, 9, 73-81.	0.1	0
72	Connexins and gap-junction mediated intercellular communication in the diabetic kidney. <i>Endocrine Abstracts</i> , 0, , .	0.0	0

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73	Connexins, hemi-channels and ATP release in the diabetic kidney. Endocrine Abstracts, 0, , .	0.0	0