Paul Edward Squires

List of Publications by Year
in descending order

73	2,844	218381	174990
papers	citations	26 h-index	52 g-index

75	75	75	3481
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Connexin 43: A Target for the Treatment of Inflammation in Secondary Complications of the Kidney and Eye in Diabetes. International Journal of Molecular Sciences, 2022, 23, 600.	1.8	4
2	Carboxyfluorescein Dye Uptake to Measure Connexin-mediated Hemichannel Activity in Cultured Cells. Bio-protocol, 2021, 11, e3901.	0.2	5
3	Collagen I Modifies Connexin-43 Hemichannel Activity via Integrin Î±2Î²1 Binding in TGFÎ²1-Evoked Renal Tubular Epithelial Cells. International Journal of Molecular Sciences, 2021, 22, 3644.	1.8	11
4	Danegaptide Prevents TGFÎ²1-Induced Damage in Human Proximal Tubule Epithelial Cells of the Kidney. International Journal of Molecular Sciences, 2021, 22, 2809.	1.8	5
5	Connexinâ€mediated cell communication in the kidney: A potential therapeutic target for future intervention of diabetic kidney disease?. Experimental Physiology, 2020, 105, 219-229.	0.9	9
6	Examining Local Cell-to-Cell Signalling in the Kidney Using ATP Biosensing. Methods in Molecular Biology, 2020, 2346, 135-149.	0.4	3
7	Blocking Connexin-43 mediated hemichannel activity protects against early tubular injury in experimental chronic kidney disease. Cell Communication and Signaling, 2020, 18, 79.	2.7	28
8	Examining Cell-Cell Interactions in the Kidney Using AFM Single-Cell Force Spectroscopy. Methods in Molecular Biology, 2020, 2067, 189-201.	0.4	5
9	Purinergic receptor (P2X7) activation reduces cellâ€“cell adhesion between tubular epithelial cells of the proximal kidney. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 22, 102108.	1.7	9
10	Transforming Growth Factor Beta 1 Drives a Switch in Connexin Mediated Cell-to-Cell Communication in Tubular Cells of the Diabetic Kidney. Cellular Physiology and Biochemistry, 2018, 45, 2369-2388.	1.1	32
11	Quantifying cellular mechanics and adhesion in renal tubular injury using single cell force spectroscopy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1013-1021.	1.7	25
12	Nanomechanical Investigation of Soft Biological Cell Adhesion using Atomic Force Microscopy. Cellular and Molecular Bioengineering, 2015, 8, 22-31.	1.0	13
13	Mind the gap: connexins and cellâ€“cell communication in the diabetic kidney. Diabetologia, 2015, 58, 233-241.	2.9	23
14	The Calcium-Sensing Receptor and Î²-Cell Function. Vitamins and Hormones, 2014, 95, 249-267.	0.7	16
15	Quantitative investigation of calcimimetic R568 on beta cell adhesion and mechanics using AFM singleâ€cell force spectroscopy. FEBS Letters, 2014, 588, 1178-1183.	1.3	19
16	The extracellular calcium-sensing receptor evokes MAPKmediated proliferation in insulin-secreting cells: an effect dependent on cell architecture.. IOSR Journal of Pharmacy and Biological Sciences, 2014, 9, 73-81.	0.1	0
17	Visfatin Reduces Gap Junction Mediated Cell-to-Cell Communication in Proximal Tubule-Derived Epithelial Cells. Cellular Physiology and Biochemistry, 2013, 32, 1200-1212.	1.1	9
18	'Special K' and a Loss of Cell-To-Cell Adhesion in Proximal Tubule-Derived Epithelial Cells: Modulation of the Adherens Junction Complex by Ketamine. PLoS ONE, 2013, 8, e71819.	1.1	32

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19	Glucose decreases extracellular adenosine levels in isolated mouse and rat pancreatic islets. Islets, 2012, 4, 64-70.	0.9	10
20	Functional Expression of TRPV4 Channels in Human Collecting Duct Cells: Implications for Secondary Hypertension in Diabetic Nephropathy. Experimental Diabetes Research, 2012, 2012, 1-9.	3.8	19
21	Calcium-Sensing Receptor Activation Increases Cell-Cell Adhesion and ÃŸ-Cell Function. Cellular Physiology and Biochemistry, 2012, 30, 575-586.	1.1	28
22	TGFÎ² modulates cell-to-cell communication in early epithelial-to-mesenchymal transition. Diabetologia, 2012, 55, 812-824.	2.9	80
23	The role of TGF-Î² and epithelial-to mesenchymal transition in diabetic nephropathy. Cytokine and Growth Factor Reviews, 2011, 22, 131-9.	3.2	192
24	17Î²-Estradiol Elevates cGMP and, via Plasma Membrane Recruitment of Protein Kinase GIÎ±, Stimulates Ca2+ Efflux from Rat Hepatocytes. Journal of Biological Chemistry, 2010, 285, 27201-27212.	1.6	10
25	TGF-Î²1-Induced Epithelial-to-Mesenchymal Transition and Therapeutic Intervention in Diabetic Nephropathy. American Journal of Nephrology, 2010, 31, 68-74.	1.4	178
26	C-Peptide as a Therapeutic Tool in Diabetic Nephropathy. American Journal of Nephrology, 2010, 31, 389-397.	1.4	65
27	TGF-β1 Mediates Glucose-evoked Up-regulation of Connexin-43 Cell-to-cell Communication in HCD-cells. Cellular Physiology and Biochemistry, 2009, 24, 177-186.	1.1	19
28	Function and expression of melatonin receptors on human pancreatic islets. Journal of Pineal Research, 2008, 44, 273-279.	3.4	150
29	Phorbol ester-stimulated NF-ÎºB-dependent transcription: Roles for isoforms of novel protein kinase C. Cellular Signalling, 2008, 20, 1338-1348.	1.7	93
30	ANP stimulates hepatocyte Ca2+ efflux via plasma membrane recruitment of PKGIÎ±. Biochemical and Biophysical Research Communications, 2008, 368, 965-970.	1.0	6
31	A Role for the Extracellular Calcium-Sensing Receptor in Cell-Cell Communication in Pancreatic Islets of Langerhans. Cellular Physiology and Biochemistry, 2008, 22, 557-566.	1.1	33
32	The calcium-sensing receptor and insulin secretion: a role outside systemic control 15 years on. Journal of Endocrinology, 2008, 199, 1-4.	1.2	15
33	Serum and glucocorticoid regulated kinase and disturbed renal sodium transport in diabetes. Journal of Endocrinology, 2008, 199, 343-349.	1.2	21
34	Atrial Natriuretic Peptide Attenuates Elevations in Ca2+ and Protects Hepatocytes by Stimulating Net Plasma Membrane Ca2+ Efflux. Journal of Biological Chemistry, 2007, 282, 34542-34554.	1.6	9
35	E-Cadherin and Cell Adhesion: a Role in Architecture and Function in the Pancreatic Islet. Cellular Physiology and Biochemistry, 2007, 20, 987-994.	1.1	80
36	Colocalization Between Î²-Catenin and Insulin Suggests a Novel Role for the Adherens Junction in Î²-Cell Function. Pancreas, 2007, 34, 170-171.	0.5	10

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37	Expression and function of the extracellular calcium-sensing receptor in pancreatic Î²-cells. Archives of Physiology and Biochemistry, 2007, 113, 98-103.	1.0	22
38	Glucose-evoked alterations in connexin43-mediated cell-to-cell communication in human collecting duct: a possible role in diabetic nephropathy. American Journal of Physiology - Renal Physiology, 2006, 291, F1045-F1051.	1.3	32
39	Activation of the extracellular calcium-sensing receptor initiates insulin secretion from human islets of Langerhans: involvement of protein kinases. Journal of Endocrinology, 2006, 190, 703-710.	1.2	75
40	High Glucose Up-Regulates ENaC and SGK1 Expression in HCD-Cells. Cellular Physiology and Biochemistry, 2006, 18, 337-346.	1.1	52
41	Similarities of K+ATP Channel Expression and Ca2+ Changes in Pancreatic ?? Cells and Hypothalamic Neurons. Pancreas, 2005, 30, 227-232.	0.5	9
42	Effect of 17??-Estradiol on Insulin Secretion and Cytosolic Calcium in Min6 Mouse Insulinoma Cells and Human Islets of Langerhans. Pancreas, 2005, 30, 307-313.	0.5	18
43	Uncoupling of Nutrient Metabolism From Insulin Secretion by Overexpression of Cytosolic Phospholipase A2. Diabetes, 2005, 54, 116-124.	0.3	19
44	The putative imidazoline receptor agonist, harmane, promotes intracellular calcium mobilisation in pancreatic Î²-cells. European Journal of Pharmacology, 2004, 501, 31-39.	1.7	17
45	Expression of 25-hydroxyvitamin D3-1Î±-hydroxylase in pancreatic islets. Journal of Steroid Biochemistry and Molecular Biology, 2004, 89-90, 121-125.	1.2	296
46	Comparative Effects of Efaroxan and b-Carbolines on the Secretory Activity of Rodent and Human b Cells. Annals of the New York Academy of Sciences, 2003, 1009, 167-174.	1.8	15
47	Calcium-dependent translocation of cytosolic phospholipase A2 in pancreatic Î²-cells. Biochemical and Biophysical Research Communications, 2003, 300, 889-893.	1.0	8
48	Interdependence of steroidogenesis and shape changes in Y1 adrenocortical cells: studies with inhibitors of phosphoprotein phosphatases. Journal of Endocrinology, 2002, 172, 583-593.	1.2	18
49	A Key Role for Â-Cell Cytosolic Phospholipase A2 in the Maintenance of Insulin Stores But Not in the Initiation of Insulin Secretion. Diabetes, 2002, 51, 98-104.	0.3	48
50	Role of adenine nucleotides in insulin secretion from MIN6 pseudoislets. Molecular and Cellular Endocrinology, 2002, 191, 167-176.	1.6	43
51	Co-ordinated Ca2+-signalling within pancreatic islets: does Î²-cell entrainment require a secreted messenger. Cell Calcium, 2002, 31, 209-219.	1.1	26
52	Mechanism of action of the calcium-sensing receptor in human antral gastrin cells. Gastroenterology, 2001, 120, 1128-1139.	0.6	99
53	Human Granulosa-Lutein Cells Express Functional EP1 and EP2 Prostaglandin Receptors. Biochemical and Biophysical Research Communications, 2001, 285, 1089-1094.	1.0	33
54	Synchronization of Ca2+-signals within insulin-secreting pseudoislets: effects of gap-junctional uncouplers. Cell Calcium, 2000, 27, 287-296.	1.1	38

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55	The extracellular calcium-sensing receptor in PHHI beta cells: does reduced auto-inhibitory input contribute to hypersecretion of insulin?. Diabetologia, 2000, 43, 1078-1080.	2.9	7
56	Signaling through the p38 and p42/44 Mitogen-Activated Families of Protein Kinases in Pancreatic Î²-Cell Proliferation. Biochemical and Biophysical Research Communications, 2000, 268, 541-546.	1.0	27
57	Depolarizing Stimuli Reduce Ca2+/Calmodulin-Dependent Protein Kinase II Activity in Islets of Langerhans. Biochemical and Biophysical Research Communications, 2000, 270, 1119-1123.	1.0	7
58	Bombesin-evoked gastrin release and calcium signaling in human antral G cells in culture. American Journal of Physiology - Renal Physiology, 1999, 276, G227-G237.	1.6	11
59	Pancreatic beta-cell-to-beta-cell interactions are required for integrated responses to nutrient stimuli: enhanced Ca2+ and insulin secretory responses of MIN6 pseudoislets. Diabetes, 1999, 48, 1402-1408.	0.3	233
60	Effect of cholinergic agonists on gastrin release from primary cultures of human antral G cells. Gastroenterology, 1997, 112, 357-363.	0.6	17
61	Mechanisms involved in ATP-evoked Ca2+ oscillations in isolated human granulosa-luteal cells. Cell Calcium, 1997, 21, 365-374.	1.1	25
62	Elevation of cytosolic calcium by imidazolines in mouse islets of Langerhans: implications for stimulusâ€response coupling of insulin release. British Journal of Pharmacology, 1996, 119, 911-916.	2.7	46
63	Loss of functional KATP channels in pancreatic Î²â€“cells causes persistent hyperinsulinemic hypoglycemia of infancy. Nature Medicine, 1996, 2, 1344-1347.	15.2	242
64	Potassium Channels, Imidazolines, and Insulin-Secreting Cells. Annals of the New York Academy of Sciences, 1995, 763, 243-261.	1.8	25
65	Polymyxin B has multiple blocking actions on the ATP-sensitive potassium channel in insulin-secreting cells. Pflugers Archiv European Journal of Physiology, 1994, 426, 31-39.	1.3	15
66	Intracellular Ca2+ signals in human-derived pancreatic somatostatin-secreting cells (QGP-1N). Pflugers Archiv European Journal of Physiology, 1994, 428, 275-282.	1.3	6
67	ATP-induced intracellular Ca2+ signals in isolated human insulin-secreting cells. Pflugers Archiv European Journal of Physiology, 1994, 427, 181-183.	1.3	44
68	Modulation of cytoplasmic Ca2+ signals in somatostatin-secreting cells (QGP-1N) by glucose. Biochemical Society Transactions, 1994, 22, 9S-9S.	1.6	0
69	Agonist-evoked, repetitive calcium transients in human-derived pancreatic somatostatin-secreting cells (QGP-1N). Biochemical Society Transactions, 1993, 21, 403S-403S.	1.6	1
70	Elevation of intracellular calcium signals in single isolated somatostatin-secreting cells derived from a pancreatic endocrine tumour. Biochemical Society Transactions, 1993, 21, 404S-404S.	1.6	1
71	Effects of 5-hydroxydecanoate on ATP-regulated potassium ion channels in insulin secreting cells. Biochemical Society Transactions, 1993, 21, 427S-427S.	1.6	3
72	Connexins and gap-junction mediated intercellular communication in the diabetic kidney. Endocrine Abstracts, 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