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List of Publications by Year
in descending order

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70 papers	3,033 citations	172207 29 h-index	161609 54 g-index
75 all docs	75 docs citations	75 times ranked	4576 citing authors

#	Article	IF	Citations
1	High Glucose Causes Apoptosis in Cultured Human Pancreatic Islets of Langerhans. Diabetes, 2001, 50, 1290-1301.	0.3	296
2	The Role of Oxidative Stress in the Pathogenesis of Type 2 Diabetes Mellitus Micro- and Macrovascular Complications: Avenues for a Mechanistic-Based Therapeutic Approach. Current Diabetes Reviews, 2011, 7, 313-324.	0.6	293
3	The GLT-1 and GLAST Glutamate Transporters Are Expressed on Morphologically Distinct Astrocytes and Regulated by Neuronal Activity in Primary Hippocampal Cocultures. Journal of Neurochemistry, 2002, 75, 1076-1084.	2.1	166
4	PDZ-mediated interactions retain the epithelial GABA transporter on the basolateral surface of polarized epithelial cells. EMBO Journal, 1999, 18, 2384-2393.	3.5	151
5	Pancreatic islet amyloidosis, Î²-cell apoptosis, and Î±-cell proliferation are determinants of islet remodeling in type-2 diabetic baboons. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13992-13997.	3.3	147
6	Stress and corticosterone increase the readily releasable pool of glutamate vesicles in synaptic terminals of prefrontal and frontal cortex. Molecular Psychiatry, 2014, 19, 433-443.	4.1	125
7	PCSK9 deficiency reduces insulin secretion and promotes glucose intolerance: the role of the low-density lipoprotein receptor. European Heart Journal, 2019, 40, 357-368.	1.0	124
8	AQP1 Is Not Only a Water Channel: It Contributes to Cell Migration through Lin7/Beta-Catenin. PLoS ONE, 2009, 4, e6167.	1.1	112
9	Mammalian LIN-7 PDZ proteins associate with Î²-catenin at the cell-cell junctions of epithelia and neurons. EMBO Journal, 2000, 19, 3978-3989.	3.5	110
10	DOPAL derived alpha-synuclein oligomers impair synaptic vesicles physiological function. Scientific Reports, 2017, 7, 40699.	1.6	107
11	Invasive behaviour of glioblastoma cell lines is associated with altered organisation of the cadherin-catenin adhesion system. Journal of Cell Science, 2002, 115, 3331-3340.	1.2	82
12	Cholesterol metabolism, pancreatic Î²-cell function and diabetes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2149-2156.	1.8	76
13	Altered Insulin Receptor Signalling and Î²-Cell Cycle Dynamics in Type 2 Diabetes Mellitus. PLoS ONE, 2011, 6, e28050.	1.1	76
14	The Glial Glutamate Transporter 1 (GLT1) Is Expressed by Pancreatic Î²-Cells and Prevents Glutamate-induced Î²-Cell Death. Journal of Biological Chemistry, 2011, 286, 14007-14018.	1.6	64
15	Sorting of Two Polytopic Proteins, the Î³-Aminobutyric Acid and Betaine Transporters, in Polarized Epithelial Cells. Journal of Biological Chemistry, 1997, 272, 6584-6592.	1.6	61
16	Invasive behaviour of glioblastoma cell lines is associated with altered organisation of the cadherin-catenin adhesion system. Journal of Cell Science, 2002, 115, 3331-40.	1.2	61
17	Chronic hyperglycemia impairs insulin secretion by affecting insulin receptor expression, splicing, and signaling in RIN Î²â€cell line and human islets of Langerhans. FASEB Journal, 2003, 17, 1340-1342.	0.2	58
18	The LRRK2 G2385R variant is a partial loss-of-function mutation that affects synaptic vesicle trafficking through altered protein interactions. Scientific Reports, 2017, 7, 5377.	1.6	49

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19	The potential role of glutamate in the current diabetes epidemic. Acta Diabetologica, 2012, 49, 167-183.	1.2	48
20	Increased internalisation and degradation of GLT-1 glial glutamate transporter in a cell model for familial amyotrophic lateral sclerosis (ALS). Journal of Cell Science, 2004, 117, 5417-5426.	1.2	45
21	Pancreatic islet of Langerhans' cytoarchitecture and ultrastructure in normal glucose tolerance and in type 2 diabetes mellitus. Diabetes, Obesity and Metabolism, 2018, 20, 137-144.	2.2	40
22	Shaping Pancreatic Î²-Cell Differentiation and Functioning: The Influence of Mechanotransduction. Cells, 2020, 9, 413.	1.8	38
23	PP1 inhibitor induces degradation of RETMEN2A and RETMEN2B oncoproteins through proteosomal targeting. Cancer Research, 2003, 63, 2234-43.	0.4	38
24	The Surface Density of the Glutamate Transporter EAAC1 is Controlled by Interactions with PDZK1 and AP2 Adaptor Complexes. Traffic, 2010, 11, 1455-1470.	1.3	37
25	Neurotransmitters and Neuropeptides: New Players in the Control of Islet of Langerhans' Cell Mass and Function. Journal of Cellular Physiology, 2016, 231, 756-767.	2.0	37
26	Cluster-assembled zirconia substrates promote long-term differentiation and functioning of human islets of Langerhans. Scientific Reports, 2018, 8, 9979.	1.6	37
27	Differential interaction of Enigma protein with the two RET isoforms. Biochemical and Biophysical Research Communications, 2002, 296, 515-522.	1.0	34
28	Delta cell death in the islet of Langerhans and the progression from normal glucose tolerance to type 2 diabetes in non-human primates (baboon, Papio hamadryas). Diabetologia, 2015, 58, 1814-1826.	2.9	33
29	Prevention of myocardial fibrosis by N-acetyl-seryl-aspartyl-lysyl-proline in diabetic rats. Clinical Science, 2010, 118, 211-220.	1.8	31
30	LIN7 Mediates the Recruitment of IRSp53 to Tight Junctions. Traffic, 2009, 10, 246-257.	1.3	30
31	Neurosteroid allopregnanolone regulates EAAC1â€mediated glutamate uptake and triggers actin changes in Schwann cells. Journal of Cellular Physiology, 2012, 227, 1740-1751.	2.0	30
32	Cloning of a rabbit renal Na-Pi cotransporter, which is regulated by dietary phosphate. American Journal of Physiology - Renal Physiology, 1995, 268, F626-F633.	1.3	29
33	Role of the conserved glutamine 291 in the rat Î³-aminobutyric acid transporter rGAT-1. Cellular and Molecular Life Sciences, 2006, 63, 100-111.	2.4	28
34	INaP selective inhibition reverts precocious inter- and motorneurons hyperexcitability in the Sod1-G93R zebrafish ALS model. Scientific Reports, 2016, 6, 24515.	1.6	26
35	Verbascoside Protects Pancreatic Î²-Cells against ER-Stress. Biomedicines, 2020, 8, 582.	1.4	26
36	Interaction between Na+ and the K+-dependent amino acid transport in midgut brush-border membrane vesicles from Philosamia cynthia larvae. Journal of Insect Physiology, 1994, 40, 69-74.	0.9	24

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37	Disproportionate Hyperproinsulinemia, Î²-Cell Restricted Prohormone Convertase 2 Deficiency, and Cell Cycle Inhibitors Expression by Human Islets Transplanted into Athymic Nude Mice: Insights into Nonimmune-Mediated Mechanisms of Delayed Islet Graft Failure. Cell Transplantation, 2008, 17, 1323-1336.	1.2	24
38	Iron Metabolism in Pancreatic Beta-Cell Function and Dysfunction. Cells, 2021, 10, 2841.	1.8	23
39	Trafficking of the glutamate transporter is impaired in LRRK2-related Parkinsonâ€™s disease. Acta Neuropathologica, 2022, 144, 81-106.	3.9	22
40	The ontogeny of the endocrine pancreas in the fetal/newborn baboon. Journal of Endocrinology, 2012, 214, 289-299.	1.2	20
41	Chronic Continuous Exenatide Infusion Does Not Cause Pancreatic Inflammation and Ductal Hyperplasia in Non-Human Primates. American Journal of Pathology, 2015, 185, 139-150.	1.9	16
42	Exenatide regulates pancreatic islet integrity and insulin sensitivity in the nonhuman primate baboon Papio hamadryas. JCI Insight, 2019, 4, .	2.3	15
43	cDNA cloning of a rat small-intestinal Na+/SO 4 2? cotransporter. Pflugers Archiv European Journal of Physiology, 1994, 428, 217-223.	1.3	14
44	Acute stress rapidly increases the readily releasable pool of glutamate vesicles in prefrontal and frontal cortex through non-genomic action of corticosterone. Molecular Psychiatry, 2014, 19, 401-401.	4.1	14
45	Proteomic Analysis Reveals a Mitochondrial Remodeling of Î²TC3 Cells in Response to Nanotopography. Frontiers in Cell and Developmental Biology, 2020, 8, 508.	1.8	14
46	Three kinds of currents in the canine betaine-GABA transporter BGT-1 expressed in Xenopus laevis oocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2001, 1538, 172-180.	1.9	13
47	Atomic force microscopy imaging of actin cortical cytoskeleton of Xenopus laevis oocyte. Journal of Microscopy, 2006, 223, 57-65.	0.8	11
48	Long-lasting remission of type 1 diabetes following treatment with topiramate for generalized seizures. Acta Diabetologica, 2012, 49, 75-79.	1.2	11
49	Differential localisation of nPKCÎ´ during cell cycle progression. Biochemical and Biophysical Research Communications, 2002, 294, 127-131.	1.0	9
50	The LRRK2 N-terminal domain influences vesicle trafficking: impact of the E193K variant. Scientific Reports, 2020, 10, 3799.	1.6	9
51	TIRFM and pH-sensitive GFP-probes to Evaluate Neurotransmitter Vesicle Dynamics in SH-SY5Y Neuroblastoma Cells: Cell Imaging and Data Analysis. Journal of Visualized Experiments, 2015, , .	0.2	8
52	Glutamate 59 is critical for transport function of the amino acid cotransporter KAAT1. American Journal of Physiology - Cell Physiology, 2003, 285, C623-C632.	2.1	7
53	Atomic force microscopy characterization of Xenopus laevis oocyte plasma membrane. Microscopy Research and Technique, 2006, 69, 826-834.	1.2	7
54	Adhesion and Proliferation of Fibroblasts on Cluster-Assembled Nanostructured Carbon Films: The Role of Surface Morphology. Journal of Nanoscience and Nanotechnology, 2006, 6, 3718-3730.	0.9	7

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55	Expression of rat ileal Na+-sulphate cotransport in Xenopus laevis oocytes: functional characterization. Pflugers Archiv European Journal of Physiology, 1994, 427, 252-256.	1.3	5
56	Malaria pigment accelerates MTT â€“ formazan exocytosis in human endothelial cells. Parasitology, 2019, 146, 399-406.	0.7	5
57	Functional characterization of leucine transport induced in Xenopus laevis oocytes injected with mRNA isolated from midguts of lepidopteran larvae (Philosamia cynthia). Journal of Experimental Biology, 1995, 198, 961-6.	0.8	2
58	Effects of cell line proliferation on the aggregation and stability of a hyaluronic acid solution (HA)/PLGA microparticles dispersed in the culture system. International Journal of Polymeric Materials and Polymeric Biomaterials, 0, , 1-9.	1.8	1
59	Synaptic Stress, Changes in Glutamate Transmission and Circuitry, and Psychopathology. , 2014, , 33-52.		1
60	Potassium activation of Na+-dependent leucine transport in brush-border membrane vesicles from rat jejunum. Comparative Biochemistry and Physiology A, Comparative Physiology, 1994, 109, 949-956.	0.7	0
61	P.1.g.029 Acute stress increases the readily releasable pool of glutamate vesicles in cortical areas. European Neuropsychopharmacology, 2014, 24, S219-S220.	0.3	0
62	LRRK2 modulates neuronal vesicles cycle through protein interactions. SpringerPlus, 2015, 4, .	1.2	0
63	S.23.01 The stress impact on synaptic function and brain architecture: a key to mood and anxiety disorders. European Neuropsychopharmacology, 2015, 25, S144.	0.3	0
64	Probing the Dynamics of Plasma Membrane Glutamate Transporters in Real Time by Total Internal Fluorescence Reflection Microscopy. Springer Protocols, 2016, , 117-139.	0.1	0
65	Role of PCSK9 (proprotein convertase subtilisin/kexin type 9) beyond LDLR targeting: Focus on glucose metabolism. Atherosclerosis, 2017, 263, e102.	0.4	0
66	The PCSK9/LDLR axis impacts insulin secretion and glucose response. Atherosclerosis, 2018, 275, e55.	0.4	0
67	PCSK9 Deficiency Reduces Insulin Secretion and Promotes Glucose Intolerance: the Role of the LDL Receptor. Atherosclerosis Supplements, 2018, 32, 21.	1.2	0
68	Role Of Pcsk9 On Pancreatic Function And Insulin Release; Evidence From Mice Models. Atherosclerosis, 2019, 287, e44-e45.	0.4	0
69	The Glial Glutamate Transporter 1 (GLT1) Is Expressed by Pancreatic Î²-Cells and Prevents Glutamate-Induced Î²-Cell Death. , 2011, , P2-479-P2-479.		0
70	Autoantibodies against the glial glutamate transporter GLT1/EAAT2 in Type 1 diabetes mellitusâ€"Clues to novel immunological and non-immunological therapies. Pharmacological Research, 2022, 177, 106130.	3.1	0