

Shaoping Zhang

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36 papers	1,258 citations	23 h-index	35 g-index
36 ext. papers	1,359 ext. citations	5.5 avg, IF	3.64 L-index

#	Paper	IF	Citations
36	The aggregation potential of human amylin determines its cytotoxicity towards islet beta-cells. <i>FEBS Journal</i> , 2006 , 273, 3614-24	5.7	185
35	Fibrillogenic amylin evokes islet beta-cell apoptosis through linked activation of a caspase cascade and JNK1. <i>Journal of Biological Chemistry</i> , 2003 , 278, 52810-9	5.4	84
34	Ultrastructural evidence that apoptosis is the mechanism by which human amylin evokes death in RINm5F pancreatic islet beta-cells. <i>Cell Biology International</i> , 2001 , 25, 339-50	4.5	62
33	Mice lacking the neuropeptide alpha-calcitonin gene-related peptide are protected against diet-induced obesity. <i>Endocrinology</i> , 2010 , 151, 4257-69	4.8	56
32	Increased expression and activation of c-Jun contributes to human amylin-induced apoptosis in pancreatic islet beta-cells. <i>Journal of Molecular Biology</i> , 2002 , 324, 271-85	6.5	56
31	Fas-associated death receptor signaling evoked by human amylin in islet beta-cells. <i>Diabetes</i> , 2008 , 57, 348-56	0.9	53
30	Induction of apoptosis by human amylin in RINm5F islet beta-cells is associated with enhanced expression of p53 and p21WAF1/CIP1. <i>FEBS Letters</i> , 1999 , 455, 315-20	3.8	51
29	Elevation of brain glucose and polyol-pathway intermediates with accompanying brain-copper deficiency in patients with Alzheimer's disease: metabolic basis for dementia. <i>Scientific Reports</i> , 2016 , 6, 27524	4.9	46
28	Tetracycline treatment retards the onset and slows the progression of diabetes in human amylin/islet amyloid polypeptide transgenic mice. <i>Diabetes</i> , 2010 , 59, 161-71	0.9	44
27	A copper(II)-selective chelator ameliorates diabetes-evoked renal fibrosis and albuminuria, and suppresses pathogenic TGF-beta activation in the kidneys of rats used as a model of diabetes. <i>Diabetologia</i> , 2008 , 51, 1741-51	10.3	44
26	Thiol reducing compounds prevent human amylin-evoked cytotoxicity. <i>FEBS Journal</i> , 2005 , 272, 4949-59	5.7	43
25	Diabetic cardiomyopathy is associated with defective myocellular copper regulation and both defects are rectified by divalent copper chelation. <i>Cardiovascular Diabetology</i> , 2014 , 13, 100	8.7	42
24	Role of Ca ²⁺ in apoptosis evoked by human amylin in pancreatic islet beta-cells. <i>Biochemical Journal</i> , 1999 , 343, 53-61	3.8	42
23	Functional interaction between release factor one and P-site peptidyl-tRNA on the ribosome. <i>Journal of Molecular Biology</i> , 1996 , 261, 98-107	6.5	38
22	The chaperone proteins HSP70, HSP40/DnaJ and GRP78/BiP suppress misfolding and formation of beta-sheet-containing aggregates by human amylin: a potential role for defective chaperone biology in Type 2 diabetes. <i>Biochemical Journal</i> , 2010 , 432, 113-21	3.8	37
21	The pathogenic mechanism of diabetes varies with the degree of overexpression and oligomerization of human amylin in the pancreatic islet beta-cells. <i>FASEB Journal</i> , 2014 , 28, 5083-96	0.9	35
20	Molecular changes evoked by triethylenetetramine treatment in the extracellular matrix of the heart and aorta in diabetic rats. <i>Molecular Pharmacology</i> , 2006 , 70, 2045-51	4.3	35

19	Activation of activating transcription factor 2 by p38 MAP kinase during apoptosis induced by human amylin in cultured pancreatic beta-cells. <i>FEBS Journal</i> , 2006 , 273, 3779-91	5.7	31
18	Quantitative proteomic profiling identifies new renal targets of copper(II)-selective chelation in the reversal of diabetic nephropathy in rats. <i>Proteomics</i> , 2009 , 9, 4309-20	4.8	30
17	Copper(II)-selective chelation improves function and antioxidant defences in cardiovascular tissues of rats as a model of diabetes: comparisons between triethylenetetramine and three less copper-selective transition-metal-targeted treatments. <i>Diabetologia</i> , 2010 , 53, 1217-26	10.3	30
16	Genetic implication for an interaction between release factor one and ribosomal protein L7/L12 in vivo. <i>Journal of Molecular Biology</i> , 1994 , 242, 614-8	6.5	29
15	Protection of the heart by treatment with a divalent-copper-selective chelator reveals a novel mechanism underlying cardiomyopathy in diabetic rats. <i>Cardiovascular Diabetology</i> , 2013 , 12, 123	8.7	28
14	Spontaneous diabetes in hemizygous human amylin transgenic mice that developed neither islet amyloid nor peripheral insulin resistance. <i>Diabetes</i> , 2008 , 57, 2737-44	0.9	24
13	Is type 2 diabetes an amyloidosis and does it really matter (to patients)? <i>Diabetologia</i> , 2010 , 53, 1011-6	10.3	23
12	A cytosolic tRNA with an unmodified adenosine in the wobble position reads a codon ending with the non-complementary nucleoside cytidine. <i>Journal of Molecular Biology</i> , 2002 , 317, 481-92	6.5	22
11	Role of Ca ²⁺ in apoptosis evoked by human amylin in pancreatic islet cells. <i>Biochemical Journal</i> , 1999 , 343, 53	3.8	18
10	Diabetes-induced alterations in tissue collagen and carboxymethyllysine in rat kidneys: Association with increased collagen-degrading proteinases and amelioration by Cu(II)-selective chelation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 1610-8	6.9	14
9	Essential roles of insulin, AMPK signaling and lysyl and prolyl hydroxylases in the biosynthesis and multimerization of adiponectin. <i>Molecular and Cellular Endocrinology</i> , 2015 , 399, 164-77	4.4	11
8	Functional interaction between tRNA ^{Gly2} at the ribosomal P-site and RF1 during termination at UAG. <i>Journal of Molecular Biology</i> , 1998 , 284, 1243-6	6.5	10
7	Interaction between a mutant release factor one and P-site peptidyl-tRNA is influenced by the identity of the two bases downstream of the stop codon UAG. <i>FEBS Letters</i> , 1999 , 455, 355-8	3.8	9
6	Illuminating the molecular basis of diabetic arteriopathy: a proteomic comparison of aortic tissue from diabetic and healthy rats. <i>Proteomics</i> , 2010 , 10, 3367-78	4.8	8
5	11βHSD1 modulates LPS-induced innate immune responses in adipocytes by altering expression of PTEN. <i>Molecular Endocrinology</i> , 2015 , 29, 558-70		5
4	Restoration of myocellular copper-trafficking proteins and mitochondrial copper enzymes repairs cardiac function in rats with diabetes-evoked heart failure. <i>Metallomics</i> , 2020 , 12, 259-272	4.5	5
3	The efficiency of a cis-cleaving ribozyme in an mRNA coding region is influenced by the translating ribosome in vivo. <i>Nucleic Acids Research</i> , 1997 , 25, 4301-6	20.1	4
2	Low-dose copper infusion into the coronary circulation induces acute heart failure in diabetic rats: New mechanism of heart disease. <i>Biochemical Pharmacology</i> , 2015 , 97, 62-76	6	3

- 1 Altered metabolic gene expression in the brain of a tripoly-l-human amylin transgenic mouse model of type 2 diabetes. *Scientific Reports*, **2019**, 9, 14588 4.9 1