Shaoping Zhang

List of Publications by Year in Descending Order

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	Restoration of myocellular copper-trafficking proteins and mitochondrial copper enzymes repairs cardiac function in rats with diabetes-evoked heart failure. *Metallomics*, **2020**, 12, 259-272	4.5	5
35	Altered metabolic gene expression in the brain of a triprolyl-human amylin transgenic mouse model of type 2 diabetes. *Scientific Reports*, **2019**, 9, 14588	4.9	1
34	Elevation of brain glucose and polyol-pathway intermediates with accompanying brain-copper deficiency in patients with Alzheimer's disease: metabolic basis for dementia. *Scientific Reports*, **2016**, 6, 27524	4.9	46
33	Diabetes-induced alterations in tissue collagen and carboxymethyllysine in rat kidneys: Association with increased collagen-degrading proteinases and amelioration by Cu(II)-selective chelation. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2015**, 1852, 1610-8	6.9	14
32	Low-dose copper infusion into the coronary circulation induces acute heart failure in diabetic rats: New mechanism of heart disease. *Biochemical Pharmacology*, **2015**, 97, 62-76	6	3
31	Essential roles of insulin, AMPK signaling and lysyl and prolyl hydroxylases in the biosynthesis and multimerization of adiponectin. *Molecular and Cellular Endocrinology*, **2015**, 399, 164-77	4.4	11
30	11HSD1 modulates LPS-induced innate immune responses in adipocytes by altering expression of PTEN. *Molecular Endocrinology*, **2015**, 29, 558-70		5
29	The pathogenic mechanism of diabetes varies with the degree of overexpression and oligomerization of human amylin in the pancreatic islet cells. *FASEB Journal*, **2014**, 28, 5083-96	0.9	35
28	Diabetic cardiomyopathy is associated with defective myocellular copper regulation and both defects are rectified by divalent copper chelation. *Cardiovascular Diabetology*, **2014**, 13, 100	8.7	42
27	Protection of the heart by treatment with a divalent-copper-selective chelator reveals a novel mechanism underlying cardiomyopathy in diabetic rats. *Cardiovascular Diabetology*, **2013**, 12, 123	8.7	28
26	Mice lacking the neuropeptide alpha-calcitonin gene-related peptide are protected against diet-induced obesity. *Endocrinology*, **2010**, 151, 4257-69	4.8	56
25	Tetracycline treatment retards the onset and slows the progression of diabetes in human amylin/islet amyloid polypeptide transgenic mice. *Diabetes*, **2010**, 59, 161-71	0.9	44
24	The chaperone proteins HSP70, HSP40/DnaJ and GRP78/BiP suppress misfolding and formation of sheet-containing aggregates by human amylin: a potential role for defective chaperone biology in Type 2 diabetes. *Biochemical Journal*, **2010**, 432, 113-21	3.8	37
23	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. *Diabetologia*, **2010**, 53, 1217-26	10.3	30
22	Is type 2 diabetes an amyloidosis and does it really matter (to patients)?. *Diabetologia*, **2010**, 53, 1011-6	10.3	23
21	Illuminating the molecular basis of diabetic arteriopathy: a proteomic comparison of aortic tissue from diabetic and healthy rats. *Proteomics*, **2010**, 10, 3367-78	4.8	8
20	Quantitative proteomic profiling identifies new renal targets of copper(II)-selective chelation in the reversal of diabetic nephropathy in rats. *Proteomics*, **2009**, 9, 4309-20	4.8	30

19	Fas-associated death receptor signaling evoked by human amylin in islet beta-cells. *Diabetes*, **2008**, 57, 348-56	0.9	53
18	Spontaneous diabetes in hemizygous human amylin transgenic mice that developed neither islet amyloid nor peripheral insulin resistance. *Diabetes*, **2008**, 57, 2737-44	0.9	24
17	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. *Diabetologia*, **2008**, 51, 1741-51	10.3	44
16	Molecular changes evoked by triethylenetetramine treatment in the extracellular matrix of the heart and aorta in diabetic rats. *Molecular Pharmacology*, **2006**, 70, 2045-51	4.3	35
15	The aggregation potential of human amylin determines its cytotoxicity towards islet beta-cells. *FEBS Journal*, **2006**, 273, 3614-24	5.7	185
14	Activation of activating transcription factor 2 by p38 MAP kinase during apoptosis induced by human amylin in cultured pancreatic beta-cells. *FEBS Journal*, **2006**, 273, 3779-91	5.7	31
13	Thiol reducing compounds prevent human amylin-evoked cytotoxicity. *FEBS Journal*, **2005**, 272, 4949-59	5.7	43
12	Fibrillogenic amylin evokes islet beta-cell apoptosis through linked activation of a caspase cascade and JNK1. *Journal of Biological Chemistry*, **2003**, 278, 52810-9	5.4	84
11	A cytosolic tRNA with an unmodified adenosine in the wobble position reads a codon ending with the non-complementary nucleoside cytidine. *Journal of Molecular Biology*, **2002**, 317, 481-92	6.5	22
10	Increased expression and activation of c-Jun contributes to human amylin-induced apoptosis in pancreatic islet beta-cells. *Journal of Molecular Biology*, **2002**, 324, 271-85	6.5	56
9	Ultrastructural evidence that apoptosis is the mechanism by which human amylin evokes death in RINm5F pancreatic islet beta-cells. *Cell Biology International*, **2001**, 25, 339-50	4.5	62
8	Induction of apoptosis by human amylin in RINm5F islet beta-cells is associated with enhanced expression of p53 and p21WAF1/CIP1. *FEBS Letters*, **1999**, 455, 315-20	3.8	51
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. *FEBS Letters*, **1999**, 455, 355-8	3.8	9
6	Role of Ca2+ in apoptosis evoked by human amylin in pancreatic islet □cells. *Biochemical Journal*, **1999**, 343, 53-61	3.8	42
5	Role of Ca2+ in apoptosis evoked by human amylin in pancreatic islet □cells. *Biochemical Journal*, **1999**, 343, 53	3.8	18
4	Functional interaction between tRNA2Gly2 at the ribosomal P-site and RF1 during termination at UAG. *Journal of Molecular Biology*, **1998**, 284, 1243-6	6.5	10
3	The efficiency of a cis-cleaving ribozyme in an mRNA coding region is influenced by the translating ribosome in vivo. *Nucleic Acids Research*, **1997**, 25, 4301-6	20.1	4
2	Functional interaction between release factor one and P-site peptidyl-tRNA on the ribosome. *Journal of Molecular Biology*, **1996**, 261, 98-107	6.5	38

1	Genetic implication for an interaction between release factor one and ribosomal protein L7/L12 in vivo. *Journal of Molecular Biology*, **1994**, 242, 614-8	6.5	29