

# Zui Pan

## List of Publications by Citations

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108  
papers

4,956  
citations

37  
h-index

69  
g-index

132  
ext. papers

5,690  
ext. citations

6.2  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
108	NAADP mobilizes calcium from acidic organelles through two-pore channels. <i>Nature</i> , <b>2009</b> , 459, 596-600	50.4	603
107	MG53 nucleates assembly of cell membrane repair machinery. <i>Nature Cell Biology</i> , <b>2009</b> , 11, 56-64	23.4	314
106	Targeting calcium signaling in cancer therapy. <i>Acta Pharmaceutica Sinica B</i> , <b>2017</b> , 7, 3-17	15.5	267
105	Mechanism of action of isothiocyanates: the induction of ARE-regulated genes is associated with activation of ERK and JNK and the phosphorylation and nuclear translocation of Nrf2. <i>Molecular Cancer Therapeutics</i> , <b>2006</b> , 5, 1918-26	6.1	222
104	Inhibition of intestinal tumorigenesis in Apcmin/+ mice by (-)-epigallocatechin-3-gallate, the major catechin in green tea. <i>Cancer Research</i> , <b>2005</b> , 65, 10623-31	10.1	177
103	Dysfunction of store-operated calcium channel in muscle cells lacking mg29. <i>Nature Cell Biology</i> , <b>2002</b> , 4, 379-83	23.4	143
102	Uncontrolled calcium sparks act as a dystrophic signal for mammalian skeletal muscle. <i>Nature Cell Biology</i> , <b>2005</b> , 7, 525-30	23.4	138
101	Mutations in JPH2-encoded junctophilin-2 associated with hypertrophic cardiomyopathy in humans. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2007</b> , 42, 1026-35	5.8	135
100	TRIC channels are essential for Ca <sup>2+</sup> handling in intracellular stores. <i>Nature</i> , <b>2007</b> , 448, 78-82	50.4	120
99	Zinc deficiency and cellular oxidative stress: prognostic implications in cardiovascular diseases. <i>Acta Pharmacologica Sinica</i> , <b>2018</b> , 39, 1120-1132	8	117
98	Muscle aging is associated with compromised Ca <sup>2+</sup> spark signaling and segregated intracellular Ca <sup>2+</sup> release. <i>Journal of Cell Biology</i> , <b>2006</b> , 174, 639-45	7.3	105
97	Granzyme B is critical for T cell receptor-induced cell death of type 2 helper T cells. <i>Immunity</i> , <b>2006</b> , 25, 237-47	32.3	104
96	Elevated Orai1 expression mediates tumor-promoting intracellular Ca <sup>2+</sup> oscillations in human esophageal squamous cell carcinoma. <i>Oncotarget</i> , <b>2014</b> , 5, 3455-71	3.3	101
95	The role of N-linked glycosylation in protein folding, membrane targeting, and substrate binding of human organic anion transporter hOAT4. <i>Molecular Pharmacology</i> , <b>2005</b> , 67, 868-76	4.3	98
94	Butylated hydroxyanisole regulates ARE-mediated gene expression via Nrf2 coupled with ERK and JNK signaling pathway in HepG2 cells. <i>Molecular Carcinogenesis</i> , <b>2006</b> , 45, 841-50	5	95
93	Nuclear translocation of cytochrome c during apoptosis. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 24913-4	3.4	91
92	Near infrared fluorescent peptide nanoparticles for enhancing esophageal cancer therapeutic efficacy. <i>Nature Communications</i> , <b>2018</b> , 9, 2605	17.4	87

91	Organic anion transporter OAT1 undergoes constitutive and protein kinase C-regulated trafficking through a dynamin- and clathrin-dependent pathway. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 32570-9	5.4	85
90	Depletion of intracellular Ca <sup>2+</sup> by caffeine and ryanodine induces apoptosis of chinese hamster ovary cells transfected with ryanodine receptor. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 19978-84	5.4	80
89	MG53 regulates membrane budding and exocytosis in muscle cells. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 3314-3322	5.4	79
88	Autoantibodies in Type 2 Diabetes Induce Stress Fiber Formation and Apoptosis in Endothelial Cells. <i>Molecular Endocrinology</i> , <b>2009</b> , 23, 734-734		78
87	Quantum confined peptide assemblies with tunable visible to near-infrared spectral range. <i>Nature Communications</i> , <b>2018</b> , 9, 3217	17.4	76
86	Uncoupling store-operated Ca <sup>2+</sup> entry and altered Ca <sup>2+</sup> release from sarcoplasmic reticulum through silencing of junctophilin genes. <i>Biophysical Journal</i> , <b>2006</b> , 90, 4418-27	2.9	75
85	Azumolene inhibits a component of store-operated calcium entry coupled to the skeletal muscle ryanodine receptor. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 33477-86	5.4	72
84	Toxic role of K <sup>+</sup> channel oxidation in mammalian brain. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 4133-44	6.6	64
83	Synergistic movements of Ca(2+) and Bax in cells undergoing apoptosis. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 32257-63	5.4	63
82	A retrograde signal from calsequestrin for the regulation of store-operated Ca <sup>2+</sup> entry in skeletal muscle. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 3286-92	5.4	58
81	Zinc transporters and dysregulated channels in cancers. <i>Frontiers in Bioscience - Landmark</i> , <b>2017</b> , 22, 623-683	6.8	57
80	Strawberry phytochemicals inhibit azoxymethane/dextran sodium sulfate-induced colorectal carcinogenesis in Crj: CD-1 mice. <i>Nutrients</i> , <b>2015</b> , 7, 1696-715	6.7	54
79	Store-operated Ca <sup>2+</sup> entry in muscle physiology and diseases. <i>BMB Reports</i> , <b>2014</b> , 47, 69-79	5.5	52
78	Nonmuscle myosin IIA facilitates vesicle trafficking for MG53-mediated cell membrane repair. <i>FASEB Journal</i> , <b>2012</b> , 26, 1875-83	0.9	50
77	Retrograde activation of store-operated calcium channel. <i>Cell Calcium</i> , <b>2003</b> , 33, 375-84	4	48
76	Ca(2+)-dependent interaction between FKBP12 and calcineurin regulates activity of the Ca(2+) release channel in skeletal muscle. <i>Biophysical Journal</i> , <b>2002</b> , 83, 2539-49	2.9	46
75	Regulation of chlamydial infection by host autophagy and vacuolar ATPase-bearing organelles. <i>Infection and Immunity</i> , <b>2011</b> , 79, 4019-28	3.7	42
74	Junctional membrane structure and store operated calcium entry in muscle cells. <i>Frontiers in Bioscience - Landmark</i> , <b>2003</b> , 8, d242-55	2.8	38

73	Sarcoplipin overexpression improves muscle energetics and reduces fatigue. <i>Journal of Applied Physiology</i> , <b>2015</b> , 118, 1050-8	3.7	37
72	Selective inhibitory effects of zinc on cell proliferation in esophageal squamous cell carcinoma through Orai1. <i>FASEB Journal</i> , <b>2018</b> , 32, 404-416	0.9	37
71	RyR3 amplifies RyR1-mediated Ca(2+)-induced Ca(2+) release in neonatal mammalian skeletal muscle. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 40210-4	5.4	37
70	The presenilin-2 loop peptide perturbs intracellular Ca <sup>2+</sup> homeostasis and accelerates apoptosis. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 16649-55	5.4	35
69	Store-operated Ca(2+) entry (SOCE) contributes to normal skeletal muscle contractility in young but not in aged skeletal muscle. <i>Aging</i> , <b>2011</b> , 3, 621-34	5.6	34
68	Immunolocalization of the hepatocyte growth factor (HGF) system in the rat ovary and the anti-apoptotic effect of HGF in rat ovarian granulosa cells in vitro. <i>Reproduction</i> , <b>2006</b> , 132, 291-9	3.8	32
67	Pro- and anti-mitogenic actions of pituitary adenylate cyclase-activating polypeptide in developing cerebral cortex: potential mediation by developmental switch of PAC1 receptor mRNA isoforms. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 3865-78	6.6	30
66	The tail-anchoring domain of Bfl1 and HCCS1 targets mitochondrial membrane permeability to induce apoptosis. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 2912-23	5.3	30
65	The role of glycine residues in the function of human organic anion transporter 4. <i>Molecular Pharmacology</i> , <b>2004</b> , 65, 1141-7	4.3	29
64	Type 1 inositol (1,4,5)-trisphosphate receptor activates ryanodine receptor 1 to mediate calcium spark signaling in adult mammalian skeletal muscle. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 2103-9	5.4	27
63	Autoantibodies in type 2 diabetes induce stress fiber formation and apoptosis in endothelial cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2009</b> , 94, 2171-7	5.6	27
62	Targeting Orai1-mediated store-operated calcium entry by RP4010 for anti-tumor activity in esophagus squamous cell carcinoma. <i>Cancer Letters</i> , <b>2018</b> , 432, 169-179	9.9	26
61	Zinc Binding to MG53 Protein Facilitates Repair of Injury to Cell Membranes. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 13830-9	5.4	25
60	Involvement of Caveolin-1 in repair of DNA damage through both homologous recombination and non-homologous end joining. <i>PLoS ONE</i> , <b>2010</b> , 5, e12055	3.7	25
59	The transmembrane domain of TACE regulates protein ectodomain shedding. <i>Cell Research</i> , <b>2007</b> , 17, 985-98	24.7	23
58	Overexpression of human Edefensin 2 promotes growth and invasion during esophageal carcinogenesis. <i>Oncotarget</i> , <b>2014</b> , 5, 11333-44	3.3	23
57	tBHQ-induced HO-1 expression is mediated by calcium through regulation of Nrf2 binding to enhancer and polymerase II to promoter region of HO-1. <i>Chemical Research in Toxicology</i> , <b>2011</b> , 24, 670-6		22
56	Overexpression of Bax sensitizes prostate cancer cells to TGF-beta induced apoptosis. <i>Cell Research</i> , <b>2005</b> , 15, 160-6	24.7	22

55	Correcting Calcium Dysregulation in Chronic Heart Failure Using SERCA2a Gene Therapy. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	20
54	Productive Chlamydia trachomatis lymphogranuloma venereum 434 infection in cells with augmented or inactivated autophagic activities. <i>FEMS Microbiology Letters</i> , <b>2009</b> , 292, 240-9	2.9	20
53	Short-term and long-term effects of protein kinase C on the trafficking and stability of human organic anion transporter 3. <i>International Journal of Biochemistry and Molecular Biology</i> , <b>2012</b> , 3, 242-9	0.4	20
52	Current advances in biodegradable synthetic polymer based cardiac patches. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2020</b> , 108, 972-983	5.4	19
51	A versatile single-plasmid system for tissue-specific and inducible control of gene expression in transgenic mice. <i>FASEB Journal</i> , <b>2011</b> , 25, 2638-49	0.9	18
50	Open Sesame: treasure in store-operated calcium entry pathway for cancer therapy. <i>Science China Life Sciences</i> , <b>2015</b> , 58, 48-53	8.5	17
49	Co-expression of MG29 and ryanodine receptor leads to apoptotic cell death: effect mediated by intracellular Ca <sup>2+</sup> release. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 19387-90	5.4	16
48	Mutational analysis of histidine residues in human organic anion transporter 4 (hOAT4). <i>Biochemical Journal</i> , <b>2004</b> , 384, 87-92	3.8	16
47	Molecular architecture of Ca <sup>2+</sup> signaling control in muscle and heart cells. <i>Channels</i> , <b>2011</b> , 5, 391-6	3	15
46	A negatively charged region of the skeletal muscle ryanodine receptor is involved in Ca(2+)-dependent regulation of the Ca(2+) release channel. <i>FEBS Letters</i> , <b>1999</b> , 461, 157-64	3.8	15
45	Anti-endothelial and anti-neuronal effects from auto-antibodies in subsets of adult diabetes having a cluster of microvascular complications. <i>Diabetes Research and Clinical Practice</i> , <b>2011</b> , 93, 95-105	7.4	14
44	The amino-terminal peptide of Bax perturbs intracellular Ca <sup>2+</sup> homeostasis to enhance apoptosis in prostate cancer cells. <i>American Journal of Physiology - Cell Physiology</i> , <b>2009</b> , 296, C267-72	5.4	14
43	Fluorescence-based measurement of store-operated calcium entry in live cells: from cultured cancer cell to skeletal muscle fiber. <i>Journal of Visualized Experiments</i> , <b>2012</b> ,	1.6	14
42	Overexpression of Bax induces down-regulation of store-operated calcium entry in prostate cancer cells. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 216, 172-9	7	14
41	Gut Antibody Deficiency in a Mouse Model of CVID Results in Spontaneous Development of a Gluten-Sensitive Enteropathy. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2484	8.4	13
40	Antibody to tropomyosin isoform 5 and complement induce the lysis of colonocytes in ulcerative colitis. <i>American Journal of Gastroenterology</i> , <b>2009</b> , 104, 2996-3003	0.7	13
39	Regulation of human organic anion transporter 4 by protein kinase C and NHERF-1: altering the endocytosis of the transporter. <i>Pharmaceutical Research</i> , <b>2010</b> , 27, 589-96	4.5	13
38	Determination of the external loops and the cellular orientation of the N- and the C-termini of the human organic anion transporter hOAT1. <i>Biochemical Journal</i> , <b>2007</b> , 401, 515-20	3.8	13

37	The transcriptional corepressor SMRTER influences both Notch and ecdysone signaling during <i>Drosophila</i> development. <i>Biology Open</i> , <b>2012</b> , 1, 182-96	2.2	12
36	Influence of microbiota on immunity and immunotherapy for gastric and esophageal cancers. <i>Gastroenterology Report</i> , <b>2020</b> , 8, 206-214	3.3	10
35	The transcriptional corepressor SMRTER influences both Notch and ecdysone signaling during <i>Drosophila</i> development. <i>Biology Open</i> , <b>2012</b> , 1, 182-196	2.2	9
34	Auto-phosphorylation of a voltage-gated K <sup>+</sup> channel controls non-associative learning. <i>EMBO Journal</i> , <b>2009</b> , 28, 1601-11	13	8
33	In Esophageal Squamous Cells From Eosinophilic Esophagitis Patients, Th2 Cytokines Increase Eotaxin-3 Secretion Through Effects on Intracellular Calcium and a Non-Gastric Proton Pump. <i>Gastroenterology</i> , <b>2021</b> , 160, 2072-2088.e6	13.3	8
32	Lower esophageal sphincter muscle of patients with achalasia exhibits profound mast cell degranulation. <i>Neurogastroenterology and Motility</i> , <b>2021</b> , 33, e14055	4	8
31	The role of Nedd4-1 WW domains in binding and regulating human organic anion transporter 1. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 311, F320-9	4.3	7
30	Ca <sup>2+</sup> dynamics of thrombin-stimulated rat heart-derived embryonic myocytes: relationship to protein synthesis and cell growth. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2003</b> , 35, 1573-87	5.6	5
29	Mn Quenching Assay for Store-Operated Calcium Entry. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1843, 55-62	1.4	5
28	Combination of Disulfiram and Copper-Cysteamine Nanoparticles for an Enhanced Antitumor Effect on Esophageal Cancer. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 7147-7157	4.1	5
27	Combined Tumor Environment Triggered Self-Assembling Peptide Nanofibers and Inducible Multivalent Ligand Display for Cancer Cell Targeting with Enhanced Sensitivity and Specificity. <i>Small</i> , <b>2020</b> , 16, e2002780	11	5
26	Store-Operated Calcium Channels as Drug Target in Gastroesophageal Cancers. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 668730	5.6	5
25	MG53 Nucleates Assembly Of Cell Membrane Repair Machinery. <i>Biophysical Journal</i> , <b>2009</b> , 96, 361a	2.9	4
24	Development of 3D Lymph Node Mimetic for Studying Prostate Cancer Metastasis. <i>Advanced Biology</i> , <b>2019</b> , 3, e1900019	3.5	3
23	Silicon Oxynitrophosphide Nanoscale Coating Enhances Antioxidant Marker-Induced Angiogenesis During in vivo Cranial Bone-Defect Healing. <i>JBMR Plus</i> , <b>2021</b> , 5, e10425	3.9	3
22	Circulating IgGs in Type 2 Diabetes with Atrial Fibrillation Induce IP-Mediated Calcium Elevation in Cardiomyocytes. <i>IScience</i> , <b>2020</b> , 23, 101036	6.1	2
21	166 L-Type Calcium Channel Inhibitors (Verapamil and Diltiazem) Block Th2-Cytokine-Stimulated Eotaxin-3 Secretion in Esophageal Squamous Cells from Patients with Eosinophilic Esophagitis. <i>Gastroenterology</i> , <b>2019</b> , 156, S-39	13.3	2
20	Increased Store-Operated Ca <sup>2+</sup> Entry in Skeletal Muscle with Knockdown of Calsequestrin. <i>Biophysical Journal</i> , <b>2009</b> , 96, 115a	2.9	2

19	Interaction between protein kinase C and sphingomyelin/cholesterol. <i>Cell Biology International</i> , <b>1999</b> , 23, 457-63	4.5	2
18	Developing a Mathematical Model of Intracellular Calcium Dynamics for Evaluating Combined Anticancer Effects of Afatinib and RP4010 in Esophageal Cancer.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	2
17	Increased Neuronal Depolarization Evoked by Autoantibodies in Diabetic Obstructive Sleep Apnea: Role for Inflammatory Protease(s) in Generation of Neurotoxic Immunoglobulin Fragment. <i>Journal of Endocrinology and Diabetes</i> , <b>2017</b> , 4,	4	2
16	Mast cell effects on esophageal smooth muscle and their potential role in eosinophilic esophagitis and achalasia. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> , 320, G319-G327	5.1	2
15	A mechanism underlying stimulation and inhibition of protein kinase C by lyso-PC: A role of membrane physical state. <i>Science in China Series C: Life Sciences</i> , <b>1998</b> , 41, 584-91		1
14	The Role of Dileucine in the Expression and Function of Human Organic Anion Transporter 1 (hOAT1). <i>International Journal of Biochemistry and Molecular Biology</i> , <b>2011</b> , 2, 31-38	0.4	1
13	Identification of a Putative Enhancer RNA for EGFR in Hyper-Accessible Regions in Esophageal Squamous Cell Carcinoma Cells by Analysis of Chromatin Accessibility Landscapes. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 724687	5.3	1
12	Blocking Store-Operated Ca <sup>2+</sup> Entry to Protect Cardiomyocytes from Epirubicin-Induced Toxicity. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	1
11	Old and new biomarkers for volumetric muscle loss. <i>Current Opinion in Pharmacology</i> , <b>2021</b> , 59, 61-69	5.1	1
10	Notch Intracellular Domain Plasmid Delivery via Poly(Lactic-Co-Glycolic Acid) Nanoparticles to Upregulate Notch Pathway Molecules. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 707897	5.4	1
9	Store-Operated Calcium Entry in the Cardiovascular System.. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1349, 303-333	3.6	0
8	A Fokker-Planck feedback control framework for optimal personalized therapies in colon cancer-induced angiogenesis.. <i>Journal of Mathematical Biology</i> , <b>2022</b> , 84, 23	2	0
7	S0449 A Genetic Mototype of LES Muscle Distinguishes Among Manometric Phenotypes in Patients With Achalasia Associated With Mast Cell Degranulation. <i>American Journal of Gastroenterology</i> , <b>2020</b> , 115, S224-S225	0.7	
6	Elevated PBMC-derived oxidative stress in healthy young African American women. <i>FASEB Journal</i> , <b>2018</b> , 32, 730.7	0.9	
5	Targeting Orai1-mediated store-operated Ca <sup>2+</sup> entry by a novel compound RP4010 for anti-proliferative activity against esophagus squamous cell carcinoma. <i>FASEB Journal</i> , <b>2018</b> , 32, 750.38	0.9	
4	Reveal the Role of Store-Operated Calcium Entry in Epirubicin-induced Acute Oxidative Stress in Cardiomyocytes. <i>FASEB Journal</i> , <b>2019</b> , 33, 824.7	0.9	
3	Experimental and Mathematical Modeling of Intracellular Calcium Dynamics for Anticancer Effects Evaluation in Esophageal Cancer. <i>FASEB Journal</i> , <b>2019</b> , 33, 600.1	0.9	
2	The Two-pore channel 2 (TPC2) mediates autophagy in skeletal muscles. <i>FASEB Journal</i> , <b>2013</b> , 27, lb86	0.9	

- 1 Modular Design of Supramolecular Ionic Peptides with Cell-Selective Membrane Activity.  
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