Pei-Hui Lin

List of Publications by Citations

57 papers	6,755 citations	29 h-index	82 g-index
86 ext. papers	7,812 ext. citations	6.4 avg, IF	4.58 L-index

#	Paper	IF	Citations
57	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
56	NAADP mobilizes calcium from acidic organelles through two-pore channels. *Nature*, **2009**, 459, 596-600	50.4	603
55	MG53 nucleates assembly of cell membrane repair machinery. *Nature Cell Biology*, **2009**, 11, 56-64	23.4	314
54	Zinc in Wound Healing Modulation. *Nutrients*, **2017**, 10,	6.7	151
53	Recombinant MG53 protein modulates therapeutic cell membrane repair in treatment of muscular dystrophy. *Science Translational Medicine*, **2012**, 4, 139ra85	17.5	128
52	TRIC channels are essential for Ca2+ handling in intracellular stores. *Nature*, **2007**, 448, 78-82	50.4	120
51	Cardioprotection of ischemia/reperfusion injury by cholesterol-dependent MG53-mediated membrane repair. *Circulation Research*, **2010**, 107, 76-83	15.7	111
50	MG53-induced IRS-1 ubiquitination negatively regulates skeletal myogenesis and insulin signalling. *Nature Communications*, **2013**, 4, 2354	17.4	102
49	Uncoupling store-operated Ca2+ entry and altered Ca2+ release from sarcoplasmic reticulum through silencing of junctophilin genes. *Biophysical Journal*, **2006**, 90, 4418-27	2.9	75
48	Polymerase transcriptase release factor (PTRF) anchors MG53 protein to cell injury site for initiation of membrane repair. *Journal of Biological Chemistry*, **2011**, 286, 12820-4	5.4	73
47	Enhancing muscle membrane repair by gene delivery of MG53 ameliorates muscular dystrophy and heart failure in δ-Sarcoglycan-deficient hamsters. *Molecular Therapy*, **2012**, 20, 727-35	11.7	72
46	MG53-mediated cell membrane repair protects against acute kidney injury. *Science Translational Medicine*, **2015**, 7, 279ra36	17.5	70
45	Cardioprotection of recombinant human MG53 protein in a porcine model of ischemia and reperfusion injury. *Journal of Molecular and Cellular Cardiology*, **2015**, 80, 10-19	5.8	66
44	An Injectable Oxygen Release System to Augment Cell Survival and Promote Cardiac Repair Following Myocardial Infarction. *Scientific Reports*, **2018**, 8, 1371	4.9	66
43	Treatment of acute lung injury by targeting MG53-mediated cell membrane repair. *Nature Communications*, **2014**, 5, 4387	17.4	65
42	Mitochondria Damage and Kidney Disease. *Advances in Experimental Medicine and Biology*, **2017**, 982, 529-551	3.6	63
41	Dysferlin, annexin A1, and mitsugumin 53 are upregulated in muscular dystrophy and localize to longitudinal tubules of the T-system with stretch. *Journal of Neuropathology and Experimental Neurology*, **2011**, 70, 302-13	3.1	63

40	Autophagy, Innate Immunity and Tissue Repair in Acute Kidney Injury. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	58
39	Lysosomal two-pore channel subtype 2 (TPC2) regulates skeletal muscle autophagic signaling. *Journal of Biological Chemistry*, **2015**, 290, 3377-89	5.4	55
38	Modulation of wound healing and scar formation by MG53 protein-mediated cell membrane repair. *Journal of Biological Chemistry*, **2015**, 290, 24592-603	5.4	54
37	Sustained Release of a Peptide-Based Matrix Metalloproteinase-2 Inhibitor to Attenuate Adverse Cardiac Remodeling and Improve Cardiac Function Following Myocardial Infarction. *Biomacromolecules*, **2017**, 18, 2820-2829	6.9	53
36	Ataxin-1 and Brother of ataxin-1 are components of the Notch signalling pathway. *EMBO Reports*, **2011**, 12, 428-35	6.5	52
35	Nonmuscle myosin IIA facilitates vesicle trafficking for MG53-mediated cell membrane repair. *FASEB Journal*, **2012**, 26, 1875-83	0.9	50
34	The presenilin-2 loop peptide perturbs intracellular Ca2+ homeostasis and accelerates apoptosis. *Journal of Biological Chemistry*, **2006**, 281, 16649-55	5.4	35
33	Trimeric intracellular cation channels and sarcoplasmic/endoplasmic reticulum calcium homeostasis. *Circulation Research*, **2014**, 114, 706-16	15.7	34
32	MG53 permeates through blood-brain barrier to protect ischemic brain injury. *Oncotarget*, **2016**, 7, 22474-85	5.5	32
31	Ca2+ overload and sarcoplasmic reticulum instability in tric-a null skeletal muscle. *Journal of Biological Chemistry*, **2010**, 285, 37370-6	5.4	31
30	The tail-anchoring domain of Bfl1 and HCCS1 targets mitochondrial membrane permeability to induce apoptosis. *Journal of Cell Science*, **2007**, 120, 2912-23	5.3	30
29	Suppressed autophagy flux in skeletal muscle of an amyotrophic lateral sclerosis mouse model during disease progression. *Physiological Reports*, **2015**, 3, e12271	2.6	29
28	Type 1 inositol (1,4,5)-trisphosphate receptor activates ryanodine receptor 1 to mediate calcium spark signaling in adult mammalian skeletal muscle. *Journal of Biological Chemistry*, **2013**, 288, 2103-9	5.4	27
27	Zinc Binding to MG53 Protein Facilitates Repair of Injury to Cell Membranes. *Journal of Biological Chemistry*, **2015**, 290, 13830-9	5.4	25
26	Sustained elevation of MG53 in the bloodstream increases tissue regenerative capacity without compromising metabolic function. *Nature Communications*, **2019**, 10, 4659	17.4	24
25	Development of a Green Alternative Procedure for the Simultaneous Separation and Quantification of Clove Oil and Its Major Bioactive Constituents. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 6491-6499	8.3	20
24	Monoclonal antibodies against antigens expressed on human hepatocellular carcinoma cells. *Hepatology*, **1986**, 6, 1396-402	11.2	16
23	Spatial covariance reconstructive (SCORE) super-resolution fluorescence microscopy. *PLoS ONE*, **2014**, 9, e94807	3.7	16

22	Visualization of MG53-mediated cell membrane repair using in vivo and in vitro systems. *Journal of Visualized Experiments*, **2011**,	1.6	14
21	The amino-terminal peptide of Bax perturbs intracellular Ca2+ homeostasis to enhance apoptosis in prostate cancer cells. *American Journal of Physiology - Cell Physiology*, **2009**, 296, C267-72	5.4	14
20	Overexpression of Bax induces down-regulation of store-operated calcium entry in prostate cancer cells. *Journal of Cellular Physiology*, **2008**, 216, 172-9	7	14
19	MG53 suppresses interferon-□and inflammation via regulation of ryanodine receptor-mediated intracellular calcium signaling. *Nature Communications*, **2020**, 11, 3624	17.4	13
18	Production of oridonin-rich extracts from Rabdosia rubescens using hyphenated ultrasound-assisted supercritical carbon dioxide extraction. *Journal of the Science of Food and Agriculture*, **2017**, 97, 3323-3332	4.3	12
17	Superresolution microscope image reconstruction by spatiotemporal object decomposition and association: application in resolving t-tubule structure in skeletal muscle. *Optics Express*, **2014**, 22, 12160-76	3.2	11
16	TRIM50 protein regulates vesicular trafficking for acid secretion in gastric parietal cells. *Journal of Biological Chemistry*, **2012**, 287, 33523-32	5.4	11
15	TRIC-A Channel Maintains Store Calcium Handling by Interacting With Type 2 Ryanodine Receptor in Cardiac Muscle. *Circulation Research*, **2020**, 126, 417-435	15.7	9
14	Dyslipidemia in Kidney Disorders: Perspectives on Mitochondria Homeostasis and Therapeutic Opportunities. *Frontiers in Physiology*, **2020**, 11, 1050	4.6	8
13	MG53 protects against contrast-induced acute kidney injury by reducing cell membrane damage and apoptosis. *Acta Pharmacologica Sinica*, **2020**, 41, 1457-1464	8	6
12	Assessment of calcium sparks in intact skeletal muscle fibers. *Journal of Visualized Experiments*, **2014**, e50898	1.6	4
11	MG53 Nucleates Assembly Of Cell Membrane Repair Machinery. *Biophysical Journal*, **2009**, 96, 361a	2.9	4
10	Skeletal Muscle Lysosomal Function via Cathepsin Activity Measurement. *Methods in Molecular Biology*, **2019**, 1854, 35-43	1.4	3
9	Data on characterization of metalloporphyrin-mediated HO-1 and DAF induction in rat glomeruli and podocytes. *Data in Brief*, **2019**, 22, 279-285	1.2	3
8	TRIC-A regulates intracellular Ca homeostasis in cardiomyocytes. *Pflugers Archiv European Journal of Physiology*, **2021**, 473, 547-556	4.6	2
7	Wound Matrix Stiffness Imposes on Macrophage Activation. *Methods in Molecular Biology*, **2021**, 2193, 111-120	1.4	1
6	MG53 suppresses tumor progression and stress granule formation by modulating G3BP2 activity in non-small cell lung cancer. *Molecular Cancer*, **2021**, 20, 118	42.1	1
5	A multi-herb-combined remedy to overcome hyper-inflammatory response by reprogramming transcription factor profile and shaping monocyte subsets. *Pharmacological Research*, **2021**, 169, 105617	10.2	0

List of Publications

4	MG53 preserves mitochondrial integrity of cardiomyocytes during ischemia reperfusion-induced oxidative stress. *Redox Biology*, **2022**, 102357	11.3	0
3	Exogenous MG53 Protects Adult Mouse Cardiomyocytes by Preventing Mitochondria Damage in Response to Oxidative Stress. *FASEB Journal*, **2019**, 33, 833.3	0.9	
2	Heme Oxygenase-1 in Kidney Health and Disease **2019**, 205-216		
1	The Two-pore channel 2 (TPC2) mediates autophagy in skeletal muscles. *FASEB Journal*, **2013**, 27, lb86	0.9	