Pei-Hui Lin

List of Publications by Year
in descending order

85 papers	8,614 citations	168829 31 h-index	145109 60 g-index
86 all docs	86 docs citations	86 times ranked	19910 citing authors

#	Article	IF	Citations
1	The cell membrane repair protein MG53 modulates transcription factor NF-ÎºB signaling to control kidney fibrosis. Kidney International, 2022, 101, 119-130.	2.6	14
2	MG53 preserves mitochondrial integrity of cardiomyocytes during ischemia reperfusion-induced oxidative stress. Redox Biology, 2022, 54, 102357.	3.9	17
3	TRIC-A regulates intracellular Ca2+ homeostasis in cardiomyocytes. Pflugers Archiv European Journal of Physiology, 2021, 473, 547-556.	1.3	5
4	A multi-herb-combined remedy to overcome hyper-inflammatory response by reprogramming transcription factor profile and shaping monocyte subsets. Pharmacological Research, 2021, 169, 105617.	3.1	8
5	MG53 suppresses tumor progression and stress granule formation by modulating G3BP2 activity in non-small cell lung cancer. Molecular Cancer, 2021, 20, 118.	7.9	24
6	Wound Matrix Stiffness Imposes on Macrophage Activation. Methods in Molecular Biology, 2021, 2193, 111-120.	0.4	3
7	TRIC-A Channel Maintains Store Calcium Handling by Interacting With Type 2 Ryanodine Receptor in Cardiac Muscle. Circulation Research, 2020, 126, 417-435.	2.0	19
8	Dyslipidemia in Kidney Disorders: Perspectives on Mitochondria Homeostasis and Therapeutic Opportunities. Frontiers in Physiology, 2020, 11, 1050.	1.3	21
9	MG53 suppresses interferon-Î² and inflammation via regulation of ryanodine receptor-mediated intracellular calcium signaling. Nature Communications, 2020, 11, 3624.	5.8	32
10	MG53 protects against contrast-induced acute kidney injury by reducing cell membrane damage and apoptosis. Acta Pharmacologica Sinica, 2020, 41, 1457-1464.	2.8	13
11	Advances in Autophagy, Tissue Injury, and Homeostasis: Cells Special Issue. Cells, 2019, 8, 743.	1.8	1
12	Sustained elevation of MG53 in the bloodstream increases tissue regenerative capacity without compromising metabolic function. Nature Communications, 2019, 10, 4659.	5.8	47
13	Data on characterization of metalloporphyrin-mediated HO-1 and DAF induction in rat glomeruli and podocytes. Data in Brief, 2019, 22, 279-285.	0.5	5
14	Exogenous MG53 Protects Adult Mouse Cardiomyocytes by Preventing Mitochondria Damage in Response to Oxidative Stress. FASEB Journal, 2019, 33, 833.3.	0.2	0
15	Heme Oxygenase-1 in Kidney Health and Disease. , 2019, , 205-216.		0
16	An Injectable Oxygen Release System to Augment Cell Survival and Promote Cardiac Repair Following Myocardial Infarction. Scientific Reports, 2018, 8, 1371.	1.6	92
17	Zinc in Wound Healing Modulation. Nutrients, 2018, 10, 16.	1.7	278
18	Production of oridoninâ€rich extracts from Rabdosia rubescens using hyphenated ultrasoundâ€assisted supercritical carbon dioxide extraction. Journal of the Science of Food and Agriculture, 2017, 97, 3323-3332.	1.7	13

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19	Mitochondria Damage and Kidney Disease. Advances in Experimental Medicine and Biology, 2017, 982, 529-551.	0.8	132
20	TRIM Family Proteins in Intracellular Vesicle Trafficking. Biophysical Journal, 2017, 112, 239a.	0.2	1
21	MG53 Negatively Regulates NLRP3 to Inhibit Inflammation Associated with Tissue Injury. Biophysical Journal, 2017, 112, 532a.	0.2	0
22	MG56, A Membrane Bound O-Acyltransferase Protein, Regulates Lipid Composition and Membrane Vesicle Size in Skeletal Muscle. Biophysical Journal, 2017, 112, 85a-86a.	0.2	0
23	Skeletal Muscle Lysosomal Function via Cathepsin Activity Measurement. Methods in Molecular Biology, 2017, 1854, 35-43.	0.4	10
24	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.	2.6	79
25	MG53 permeates through blood-brain barrier to protect ischemic brain injury. Oncotarget, 2016, 7, 22474-22485.	0.8	54
26	Autophagy, Innate Immunity and Tissue Repair in Acute Kidney Injury. International Journal of Molecular Sciences, 2016, 17, 662.	1.8	77
27	Zinc Binding to MG53 Facilitates Repair of Injury to Cell Membrane. Biophysical Journal, 2016, 110, 589a.	0.2	0
28	MG53 Promotes Wound Healing and Reduces Scar Formation by Facilitating Cell Membrane Repair and Controlling Myofibroblast Differentiation. Biophysical Journal, 2016, 110, 589a.	0.2	0
29	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.	3.2	22
30	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
31	TRIM50 Interacts with Microtubules to Facilitate Vesicle Trafficking in Gastric Parietal Cells. Biophysical Journal, 2015, 108, 449a-450a.	0.2	0
32	Suppressed Autophagy Flux in Skeletal Muscle of an Amyotrophic Lateral Sclerosis Mouse Model. Biophysical Journal, 2015, 108, 423a-424a.	0.2	0
33	MG56, a Member of the MBOAT Family of Proteins, Regulates Intracellular Calcium Signaling in Striated Muscle. Biophysical Journal, 2015, 108, 107a-108a.	0.2	0
34	Lysosomal Two-pore Channel Subtype 2 (TPC2) Regulates Skeletal Muscle Autophagic Signaling. Journal of Biological Chemistry, 2015, 290, 3377-3389.	1.6	69
35	Zinc Binding to MG53 Protein Facilitates Repair of Injury to Cell Membranes. Journal of Biological Chemistry, 2015, 290, 13830-13839.	1.6	31
36	MG53-mediated cell membrane repair protects against acute kidney injury. Science Translational Medicine, 2015, 7, 279ra36.	5.8	103

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37	Modulation of Wound Healing and Scar Formation by MG53 Protein-mediated Cell Membrane Repair. Journal of Biological Chemistry, 2015, 290, 24592-24603.	1.6	64
38	Superresolution Microscope Image Reconstruction by Spatiotemporal Object Decomposition and Association: Application in Resolving T-Tubule Structure in Skeletal Muscle. Biophysical Journal, 2015, 108, 267a.	0.2	0
39	Suppressed autophagy flux in skeletal muscle of an amyotrophic lateral sclerosis mouse model during disease progression. Physiological Reports, 2015, 3, e12271.	0.7	40
40	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.	0.9	91
41	Treatment of acute lung injury by targeting MG53-mediated cell membrane repair. Nature Communications, 2014, 5, 4387.	5.8	100
42	Superresolution microscope image reconstruction by spatiotemporal object decomposition and association: application in resolving t-tubule structure in skeletal muscle. Optics Express, 2014, 22, 12160.	1.7	16
43	Amphipathic Tail-Anchoring Peptide is a Promising Therapeutic Agent for Cancer Treatment. Biophysical Journal, 2014, 106, 186a.	0.2	0
44	Trimeric Intracellular Cation Channels and Sarcoplasmic/Endoplasmic Reticulum Calcium Homeostasis. Circulation Research, 2014, 114, 706-716.	2.0	46
45	The Therapeutic Role of Recombinant Human MG53 Protein in Wound Healing. Biophysical Journal, 2014, 106, 95a.	0.2	1
46	Superresolution Microscopy Reveals Nanometer-Scale Reorganization of MG53 Associated with Membrane Repair. Biophysical Journal, 2014, 106, 633a.	0.2	0
47	TRIC-A Prevents Store-Overload Induced Calcium Release Through Interaction with the Cardiac Ryanodine Receptor. Biophysical Journal, 2014, 106, 728a.	0.2	0
48	Amelioration of Ischemia-Reperfusion Induced Muscle Injury by the Recombinant Human MG53 Protein. Biophysical Journal, 2014, 106, 728a-729a.	0.2	0
49	Assessment of Calcium Sparks in Intact Skeletal Muscle Fibers. Journal of Visualized Experiments, 2014, , e50898.	0.2	9
50	Spatial Covariance Reconstructive (SCORE) Super-Resolution Fluorescence Microscopy. PLoS ONE, 2014, 9, e94807.	1.1	21
51	Up-Regulated Autophagy in Skeletal Muscle of Young Amyotrophic Lateral Sclerosis Mouse Model Prior to Disease Onset. Biophysical Journal, 2013, 104, 289a.	0.2	0
52	MG53 can Function in Keratinocyte Membrane Repair and Contribute to Excisional Wound Healing in Rodent Skin. Biophysical Journal, 2013, 104, 293a.	0.2	0
53	MG53-induced IRS-1 ubiquitination negatively regulates skeletal myogenesis and insulin signalling. Nature Communications, 2013, 4, 2354.	5.8	140
54	TRIM50 Regulates Vesicular Trafficking for Acid Secretion in Gastric Parietal Cells. Biophysical Journal, 2013, 104, 292a.	0.2	0

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55	Co-Expression of TRIC-A and Cardiac Ryanodine Receptor affects Store-Overload Induced Calcium Release in HEK293 Cells. Biophysical Journal, 2013, 104, 606a.	0.2	0
56	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, 2103-2109.	1.6	39
57	The Twoâ€pore channel 2 (TPC2) mediates autophagy in skeletal muscles. FASEB Journal, 2013, 27, lb86.	0.2	0
58	Recombinant MG53 Protein Modulates Therapeutic Cell Membrane Repair in Treatment of Muscular Dystrophy. Science Translational Medicine, 2012, 4, 139ra85.	5.8	165
59	Enhancing Muscle Membrane Repair by Gene Delivery of MG53 Ameliorates Muscular Dystrophy and Heart Failure in Î´-Sarcoglycan-deficient Hamsters. Molecular Therapy, 2012, 20, 727-735.	3.7	82
60	TRIM50 Protein Regulates Vesicular Trafficking for Acid Secretion in Gastric Parietal Cells. Journal of Biological Chemistry, 2012, 287, 33523-33532.	1.6	12
61	Nonmuscle myosin IIA facilitates vesicle trafficking for MG53â€mediated cell membrane repair. FASEB Journal, 2012, 26, 1875-1883.	0.2	64
62	PTRF Anchors MG53 to Cell Injury Site for Initiation of Membrane Repair. Biophysical Journal, 2012, 102, 366a.	0.2	1
63	Additive Phenotype of MG53 and Dysferlin Deficiencies in Membrane Repair Function of Skeletal Muscle Fibers. Biophysical Journal, 2012, 102, 154a.	0.2	0
64	Recombinant MG53 Binds Lipid Signals on Damaged Cell Membranes to Increase Membrane Repair Capacity. Biophysical Journal, 2011, 100, 620a.	0.2	0
65	Non-Muscle Myosin IIA Facilitates Vesicle Trafficking for MG53-Mediated Cell Membrane Repair. Biophysical Journal, 2011, 100, 446a.	0.2	0
66	Visualization of MG53-mediated Cell Membrane Repair Using in vivo and in vitro Systems. Journal of Visualized Experiments, 2011, , .	0.2	17
67	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, 302-313.	0.9	77
68	Ataxinâ€1 and Brother of ataxinâ€1 are components of the Notch signalling pathway. EMBO Reports, 2011, 12, 428-435.	2.0	60
69	Polymerase Transcriptase Release Factor (PTRF) Anchors MG53 Protein to Cell Injury Site for Initiation of Membrane Repair. Journal of Biological Chemistry, 2011, 286, 12820-12824.	1.6	87
70	Cardioprotection of Ischemia/Reperfusion Injury by Cholesterol-Dependent MG53-Mediated Membrane Repair. Circulation Research, 2010, 107, 76-83.	2.0	128
71	Ca2+ Overload and Sarcoplasmic Reticulum Instability in tric-a Null Skeletal Muscle. Journal of Biological Chemistry, 2010, 285, 37370-37376.	1.6	38
72	Knockdown of TRIC-B from tric-a-/-mice Alters Intracellular Ca2+ Signaling in Skeletal and Cardiac Muscles. Biophysical Journal, 2010, 98, 548a.	0.2	0

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73	Leucine-Zipper Mediated Intermolecular Interaction between MG53 is Essential for Cellular Membrane Repair. Biophysical Journal, 2010, 98, 153a.	0.2	0
74	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-C272.	2.1	17
75	NAADP mobilizes calcium from acidic organelles through two-pore channels. Nature, 2009, 459, 596-600.	13.7	687
76	MG53 nucleates assembly of cell membrane repair machinery. Nature Cell Biology, 2009, 11, 56-64.	4.6	396
77	MG53 Nucleates Assembly Of Cell Membrane Repair Machinery. Biophysical Journal, 2009, 96, 361a.	0.2	6
78	The Amino-terminal Peptide Of Bax Perturbs Intracellular Ca2+ Homeostasis To Enhance Apoptosis In Prostate Cancer Cells. Biophysical Journal, 2009, 96, 424a.	0.2	0
79	Two-pore Channels for Calcium Mobilization from Acidic Organelles and Cell Signaling by NAADP. Biophysical Journal, 2009, 96, 391a.	0.2	1
80	Overexpression of bax induces downâ€regulation of storeâ€operated calcium entry in prostate cancer cells. Journal of Cellular Physiology, 2008, 216, 172-179.	2.0	16
81	The tail-anchoring domain of Bfl1 and HCCS1 targets mitochondrial membrane permeability to induce apoptosis. Journal of Cell Science, 2007, 120, 2912-2923.	1.2	31
82	TRIC channels are essential for Ca2+ handling in intracellular stores. Nature, 2007, 448, 78-82.	13.7	149
83	Uncoupling Store-Operated Ca2+ Entry and Altered Ca2+ Release from Sarcoplasmic Reticulum through Silencing of Junctophilin Genes. Biophysical Journal, 2006, 90, 4418-4427.	0.2	85
84	The Presenilin-2 Loop Peptide Perturbs Intracellular Ca2+ Homeostasis and Accelerates Apoptosis. Journal of Biological Chemistry, 2006, 281, 16649-16655.	1.6	40
85	Monoclonal antibodies against antigens expressed on human hepatocellular carcinoma cells. Hepatology, 1986, 6, 1396-1402.	3.6	17