Renzhi Han

List of Publications by Year in Descending Order

53 papers	2,282 citations	21 h-index	47 g-index
62 ext. papers	2,733 ext. citations	8.9 avg, IF	4.85 L-index

#	Paper	IF	Citations
53	Angioplasty induces epigenomic remodeling in injured arteries.. *Life Science Alliance*, **2022**, 5,	5.8	1
52	Efficient precise in vivo base editing in adult dystrophic mice. *Nature Communications*, **2021**, 12, 3719	17.4	8
51	Pathological alterations in the gastrointestinal tract of a porcine model of DMD. *Cell and Bioscience*, **2021**, 11, 131	9.8	1
50	Genome-wide CRISPR screen identifies LGALS2 as an oxidative stress-responsive gene with an inhibitory function on colon tumor growth. *Oncogene*, **2021**, 40, 177-188	9.2	10
49	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
48	Gene Editing in Rabbits: Unique Opportunities for Translational Biomedical Research. *Frontiers in Genetics*, **2021**, 12, 642444	4.5	1
47	BVES is a novel interactor of ANO5 and regulates myoblast differentiation.. *Cell and Bioscience*, **2021**, 11, 222	9.8	0
46	Magnetic Targeting and Ultrasound Activation of Liposome-Microbubble Conjugate for Enhanced Delivery of Anticancer Therapies. *ACS Applied Materials & Interfaces*, **2020**, 12, 23737-23751	9.5	27
45	An open-source video tracking system for mouse locomotor activity analysis. *BMC Research Notes*, **2020**, 13, 48	2.3	6
44	BEON: A Functional Fluorescence Reporter for Quantification and Enrichment of Adenine Base-Editing Activity. *Molecular Therapy*, **2020**, 28, 1696-1705	11.7	8
43	Genetic disruption of the inflammasome adaptor ASC has minimal impact on the pathogenesis of Duchenne muscular dystrophy in mdx mice. *Life Sciences*, **2020**, 257, 118069	6.8	2
42	Production of CFTR-ΔI508 Rabbits. *Frontiers in Genetics*, **2020**, 11, 627666	4.5	3
41	Muscle Cell Membrane Repair and Therapeutic Implications **2019**, 453-467		
40	BEAT: A Python Program to Quantify Base Editing from Sanger Sequencing. *CRISPR Journal*, **2019**, 2, 223-229	2.5	11
39	Life-Long AAV-Mediated CRISPR Genome Editing in Dystrophic Heart Improves Cardiomyopathy without Causing Serious Lesions in mdx Mice. *Molecular Therapy*, **2019**, 27, 1407-1414	11.7	24
38	A novel ANO5 splicing variant in a LGMD2L patient leads to production of a truncated aggregation-prone Ano5 peptide. *Journal of Pathology: Clinical Research*, **2018**, 4, 135-145	5.3	8
37	Adeno-Associated Virus-Mediated Delivery of CRISPR for Cardiac Gene Editing in Mice. *Journal of Visualized Experiments*, **2018**,	1.6	4

36	A novel rabbit model of Duchenne muscular dystrophy generated by CRISPR/Cas9. *DMM Disease Models and Mechanisms*, **2018**, 11,	4.1	43
35	Genome Editing Therapy for Duchenne Muscular Dystrophy **2018**, 277-285		0
34	Automated muscle histopathology analysis using CellProfiler. *Skeletal Muscle*, **2018**, 8, 32	5.1	19
33	Development of muscular dystrophy in a CRISPR-engineered mutant rabbit model with frame-disrupting ANO5 mutations. *Cell Death and Disease*, **2018**, 9, 609	9.8	13
32	Empower multiplex cell and tissue-specific CRISPR-mediated gene manipulation with self-cleaving ribozymes and tRNA. *Nucleic Acids Research*, **2017**, 45, e28	20.1	47
31	In Vivo Genome Editing Restores Dystrophin Expression and Cardiac Function in Dystrophic Mice. *Circulation Research*, **2017**, 121, 923-929	15.7	86
30	Phylogeographical Analysis Reveals Distinct Sources of HIV-1 and HCV Transmitted to Former Blood Donors in China. *AIDS Research and Human Retroviruses*, **2017**, 33, 284-289	1.6	2
29	CRISPR-mediated Genome Editing Restores Dystrophin Expression and Function in mdx Mice. *Molecular Therapy*, **2016**, 24, 564-9	11.7	163
28	The effect of RGD peptide on 2D and miniaturized 3D culture of HEPM cells, MSCs, and ADSCs with alginate hydrogel. *Cellular and Molecular Bioengineering*, **2016**, 9, 277-288	3.9	21
27	Antiretroviral Therapy Normalizes Autoantibody Profile of HIV Patients by Decreasing CD33+CD11b+HLA-DR+ Cells: A Cross-Sectional Study. *Medicine (United States)*, **2016**, 95, e3285	1.8	5
26	Genetic disruption of Ano5 in mice does not recapitulate human ANO5-deficient muscular dystrophy. *Skeletal Muscle*, **2015**, 5, 43	5.1	32
25	The intracellular Ca□+ channel MCOLN1 is required for sarcolemma repair to prevent muscular dystrophy. *Nature Medicine*, **2014**, 20, 1187-92	50.5	87
24	Anoctamin 6 regulates C2C12 myoblast proliferation. *PLoS ONE*, **2014**, 9, e92749	3.7	19
23	Highly efficient genome editing via 2A-coupled co-expression of two TALEN monomers. *BMC Research Notes*, **2014**, 7, 628	2.3	12
22	Mitochondrial cardiolipin is required for Nlrp3 inflammasome activation. *Immunity*, **2013**, 39, 311-323	32.3	512
21	TRPM2 links oxidative stress to NLRP3 inflammasome activation. *Nature Communications*, **2013**, 4, 1611	17.4	223
20	Dysferlin-deficient muscular dystrophy and innate immune activation. *FEBS Journal*, **2013**, 280, 4165-76	5.7	21
19	Targeted Myostatin Gene Editing in Multiple Mammalian Species Directed by a Single Pair of TALE Nucleases. *Molecular Therapy - Nucleic Acids*, **2013**, 2, e112	10.7	31

18	New emerging recombinant HIV-1 strains and close transmission linkage of HIV-1 strains in the Chinese MSM population indicate a new epidemic risk. *PLoS ONE*, **2013**, 8, e54322	3.7	53
17	Cardiac myosin binding protein-C plays no regulatory role in skeletal muscle structure and function. *PLoS ONE*, **2013**, 8, e69671	3.7	22
16	TRPM2 links oxidative stress to the NLRP3 inflammasome activation (P1268). *Journal of Immunology*, **2013**, 190,	5.3	3
15	Rate of force recovery immediately following lengthening contractions for various mouse models of muscular dystrophy. *FASEB Journal*, **2012**, 26, 1141.6	0.9	
14	Muscle membrane repair and inflammatory attack in dysferlinopathy. *Skeletal Muscle*, **2011**, 1, 10	5.1	56
13	Dystrophin deficiency exacerbates skeletal muscle pathology in dysferlin-null mice. *Skeletal Muscle*, **2011**, 1, 35	5.1	40
12	Equal force recovery in dysferlin-deficient and wild-type muscles following saponin exposure. *Journal of Biomedicine and Biotechnology*, **2011**, 2011, 235216		7
11	Dysferlin forms a dimer mediated by the C2 domains and the transmembrane domain in vitro and in living cells. *PLoS ONE*, **2011**, 6, e27884	3.7	19
10	Genetic ablation of complement C3 attenuates muscle pathology in dysferlin-deficient mice. *Journal of Clinical Investigation*, **2010**, 120, 4366-74	15.9	65
9	Basal lamina strengthens cell membrane integrity via the laminin G domain-binding motif of alpha-dystroglycan. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 12573-9	11.5	106
8	Dysferlin and muscle membrane repair. *Current Opinion in Cell Biology*, **2007**, 19, 409-16	9	185
7	Dysferlin-mediated membrane repair protects the heart from stress-induced left ventricular injury. *Journal of Clinical Investigation*, **2007**, 117, 1805-13	15.9	132
6	Measurement of sub-membrane [Ca2+] in adult myofibers and cytosolic [Ca2+] in myotubes from normal and mdx mice using the Ca2+ indicator FFP-18. *Cell Calcium*, **2006**, 40, 299-307	4	33
5	The effect of the PKC inhibitor calphostin C and the PKC agonist phorbol 12-myristate 13-acetate on regulation of cytosolic Ca(2+) in mammalian skeletal muscle cells. *Toxicology and Applied Pharmacology*, **2006**, 212, 247-55	4.6	1
4	Thapsigargin modulates osteoclastogenesis through the regulation of RANKL-induced signaling pathways and reactive oxygen species production. *Journal of Bone and Mineral Research*, **2005**, 20, 1462-71	6.3	66
3	Evidence of reciprocal regulation between the high extracellular calcium and RANKL signal transduction pathways in RAW cell derived osteoclasts. *Journal of Cellular Physiology*, **2005**, 202, 554-62	7	20
2	Effect of indomethacin on force responses and sarcoplasmic reticulum function in skinned skeletal muscle fibers and cytosolic [Ca2+] in myotubes. *American Journal of Physiology - Cell Physiology*, **2003**, 285, C881-90	5.4	11
1	The effect of chelerythrine on depolarization-induced force responses in skinned fast skeletal muscle fibres of the rat. *British Journal of Pharmacology*, **2003**, 138, 417-26	8.6	8