

Renzhi Han

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Mitochondrial cardiolipin is required for Nlrp3 inflammasome activation. <i>Immunity</i> , 2013 , 39, 311-323	32.3	512
52	TRPM2 links oxidative stress to NLRP3 inflammasome activation. <i>Nature Communications</i> , 2013 , 4, 1611	17.4	223
51	Dysferlin and muscle membrane repair. <i>Current Opinion in Cell Biology</i> , 2007 , 19, 409-16	9	185
50	CRISPR-mediated Genome Editing Restores Dystrophin Expression and Function in mdx Mice. <i>Molecular Therapy</i> , 2016 , 24, 564-9	11.7	163
49	Dysferlin-mediated membrane repair protects the heart from stress-induced left ventricular injury. <i>Journal of Clinical Investigation</i> , 2007 , 117, 1805-13	15.9	132
48	Basal lamina strengthens cell membrane integrity via the laminin G domain-binding motif of alpha-dystroglycan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12573-9	11.5	106
47	The intracellular Ca ²⁺ channel MCOLN1 is required for sarcolemma repair to prevent muscular dystrophy. <i>Nature Medicine</i> , 2014 , 20, 1187-92	50.5	87
46	In Vivo Genome Editing Restores Dystrophin Expression and Cardiac Function in Dystrophic Mice. <i>Circulation Research</i> , 2017 , 121, 923-929	15.7	86
45	Thapsigargin modulates osteoclastogenesis through the regulation of RANKL-induced signaling pathways and reactive oxygen species production. <i>Journal of Bone and Mineral Research</i> , 2005 , 20, 1462-71	6.7	66
44	Genetic ablation of complement C3 attenuates muscle pathology in dysferlin-deficient mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 4366-74	15.9	65
43	Muscle membrane repair and inflammatory attack in dysferlinopathy. <i>Skeletal Muscle</i> , 2011 , 1, 10	5.1	56
42	New emerging recombinant HIV-1 strains and close transmission linkage of HIV-1 strains in the Chinese MSM population indicate a new epidemic risk. <i>PLoS ONE</i> , 2013 , 8, e54322	3.7	53
41	Empower multiplex cell and tissue-specific CRISPR-mediated gene manipulation with self-cleaving ribozymes and tRNA. <i>Nucleic Acids Research</i> , 2017 , 45, e28	20.1	47
40	A novel rabbit model of Duchenne muscular dystrophy generated by CRISPR/Cas9. <i>DMM Disease Models and Mechanisms</i> , 2018 , 11,	4.1	43
39	Dystrophin deficiency exacerbates skeletal muscle pathology in dysferlin-null mice. <i>Skeletal Muscle</i> , 2011 , 1, 35	5.1	40
38	Measurement of sub-membrane [Ca ²⁺] in adult myofibers and cytosolic [Ca ²⁺] in myotubes from normal and mdx mice using the Ca ²⁺ indicator FFP-18. <i>Cell Calcium</i> , 2006 , 40, 299-307	4	33
37	Genetic disruption of Ano5 in mice does not recapitulate human ANO5-deficient muscular dystrophy. <i>Skeletal Muscle</i> , 2015 , 5, 43	5.1	32

36	Targeted Myostatin Gene Editing in Multiple Mammalian Species Directed by a Single Pair of TALE Nucleases. <i>Molecular Therapy - Nucleic Acids</i> , 2013 , 2, e112	10.7	31
35	Magnetic Targeting and Ultrasound Activation of Liposome-Microbubble Conjugate for Enhanced Delivery of Anticancer Therapies. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 23737-23751	9.5	27
34	Life-Long AAV-Mediated CRISPR Genome Editing in Dystrophic Heart Improves Cardiomyopathy without Causing Serious Lesions in mdx Mice. <i>Molecular Therapy</i> , 2019 , 27, 1407-1414	11.7	24
33	Cardiac myosin binding protein-C plays no regulatory role in skeletal muscle structure and function. <i>PLoS ONE</i> , 2013 , 8, e69671	3.7	22
32	The effect of RGD peptide on 2D and miniaturized 3D culture of HEPM cells, MSCs, and ADSCs with alginate hydrogel. <i>Cellular and Molecular Bioengineering</i> , 2016 , 9, 277-288	3.9	21
31	Dysferlin-deficient muscular dystrophy and innate immune activation. <i>FEBS Journal</i> , 2013 , 280, 4165-76	5.7	21
30	Evidence of reciprocal regulation between the high extracellular calcium and RANKL signal transduction pathways in RAW cell derived osteoclasts. <i>Journal of Cellular Physiology</i> , 2005 , 202, 554-62 ⁷		20
29	Anoctamin 6 regulates C2C12 myoblast proliferation. <i>PLoS ONE</i> , 2014 , 9, e92749	3.7	19
28	Dysferlin forms a dimer mediated by the C2 domains and the transmembrane domain in vitro and in living cells. <i>PLoS ONE</i> , 2011 , 6, e27884	3.7	19
27	Automated muscle histopathology analysis using CellProfiler. <i>Skeletal Muscle</i> , 2018 , 8, 32	5.1	19
26	Development of muscular dystrophy in a CRISPR-engineered mutant rabbit model with frame-disrupting ANO5 mutations. <i>Cell Death and Disease</i> , 2018 , 9, 609	9.8	13
25	Highly efficient genome editing via 2A-coupled co-expression of two TALEN monomers. <i>BMC Research Notes</i> , 2014 , 7, 628	2.3	12
24	BEAT: A Python Program to Quantify Base Editing from Sanger Sequencing. <i>CRISPR Journal</i> , 2019 , 2, 223-229	2.5	11
23	Effect of indomethacin on force responses and sarcoplasmic reticulum function in skinned skeletal muscle fibers and cytosolic [Ca ²⁺] in myotubes. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 285, C881-90	5.4	11
22	Genome-wide CRISPR screen identifies LGALS2 as an oxidative stress-responsive gene with an inhibitory function on colon tumor growth. <i>Oncogene</i> , 2021 , 40, 177-188	9.2	10
21	BEON: A Functional Fluorescence Reporter for Quantification and Enrichment of Adenine Base-Editing Activity. <i>Molecular Therapy</i> , 2020 , 28, 1696-1705	11.7	8
20	A novel ANO5 splicing variant in a LGMD2L patient leads to production of a truncated aggregation-prone Ano5 peptide. <i>Journal of Pathology: Clinical Research</i> , 2018 , 4, 135-145	5.3	8
19	The effect of chelerythrine on depolarization-induced force responses in skinned fast skeletal muscle fibres of the rat. <i>British Journal of Pharmacology</i> , 2003 , 138, 417-26	8.6	8

18	Efficient precise in vivo base editing in adult dystrophic mice. <i>Nature Communications</i> , 2021 , 12, 3719	17.4	8
17	Equal force recovery in dysferlin-deficient and wild-type muscles following saponin exposure. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 235216		7
16	An open-source video tracking system for mouse locomotor activity analysis. <i>BMC Research Notes</i> , 2020 , 13, 48	2.3	6
15	Antiretroviral Therapy Normalizes Autoantibody Profile of HIV Patients by Decreasing CD33+CD11b+HLA-DR+ Cells: A Cross-Sectional Study. <i>Medicine (United States)</i> , 2016 , 95, e3285	1.8	5
14	Adeno-Associated Virus-Mediated Delivery of CRISPR for Cardiac Gene Editing in Mice. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	4
13	TRPM2 links oxidative stress to the NLRP3 inflammasome activation (P1268). <i>Journal of Immunology</i> , 2013 , 190,	5.3	3
12	Production of CFTR- β 508 Rabbits. <i>Frontiers in Genetics</i> , 2020 , 11, 627666	4.5	3
11	Phylogeographical Analysis Reveals Distinct Sources of HIV-1 and HCV Transmitted to Former Blood Donors in China. <i>AIDS Research and Human Retroviruses</i> , 2017 , 33, 284-289	1.6	2
10	Genetic disruption of the inflammasome adaptor ASC has minimal impact on the pathogenesis of Duchenne muscular dystrophy in mdx mice. <i>Life Sciences</i> , 2020 , 257, 118069	6.8	2
9	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. <i>Toxicology and Applied Pharmacology</i> , 2006 , 212, 247-55	4.6	1
8	Pathological alterations in the gastrointestinal tract of a porcine model of DMD. <i>Cell and Bioscience</i> , 2021 , 11, 131	9.8	1
7	MG53 suppresses tumor progression and stress granule formation by modulating G3BP2 activity in non-small cell lung cancer. <i>Molecular Cancer</i> , 2021 , 20, 118	42.1	1
6	Gene Editing in Rabbits: Unique Opportunities for Translational Biomedical Research. <i>Frontiers in Genetics</i> , 2021 , 12, 642444	4.5	1
5	Angioplasty induces epigenomic remodeling in injured arteries.. <i>Life Science Alliance</i> , 2022 , 5,	5.8	1
4	Genome Editing Therapy for Duchenne Muscular Dystrophy 2018 , 277-285		0
3	BVES is a novel interactor of ANO5 and regulates myoblast differentiation.. <i>Cell and Bioscience</i> , 2021 , 11, 222	9.8	0
2	Muscle Cell Membrane Repair and Therapeutic Implications 2019 , 453-467		
1	Rate of force recovery immediately following lengthening contractions for various mouse models of muscular dystrophy. <i>FASEB Journal</i> , 2012 , 26, 1141.6	0.9	

