Yulin Chen

List of Publications by Citations

54 papers	1,309 citations	20 h-index	35 g-index
61 ext. papers	2,010 ext. citations	5.4 avg, IF	4.26 L-index

#	Paper	IF	Citations
54	The sheep genome illuminates biology of the rumen and lipid metabolism. *Science*, **2014**, 344, 1168-1173	33.3	294
53	Generation of gene-modified goats targeting MSTN and FGF5 via zygote injection of CRISPR/Cas9 system. *Scientific Reports*, **2015**, 5, 13878	4.9	112
52	Efficient generation of mouse models with the prime editing system. *Cell Discovery*, **2020**, 6, 27	22.3	80
51	Discovery of cashmere goat (Capra hircus) microRNAs in skin and hair follicles by Solexa sequencing. *BMC Genomics*, **2013**, 14, 511	4.5	64
50	Transcriptome profile analysis of adipose tissues from fat and short-tailed sheep. *Gene*, **2014**, 549, 252-7	3.8	51
49	Comparative Transcriptome Analysis of Fetal Skin Reveals Key Genes Related to Hair Follicle Morphogenesis in Cashmere Goats. *PLoS ONE*, **2016**, 11, e0151118	3.7	48
48	Multiplex gene editing via CRISPR/Cas9 exhibits desirable muscle hypertrophy without detectable off-target effects in sheep. *Scientific Reports*, **2016**, 6, 32271	4.9	46
47	Exploring differentially expressed genes by RNA-Seq in cashmere goat (Capra hircus) skin during hair follicle development and cycling. *PLoS ONE*, **2013**, 8, e62704	3.7	44
46	Disruption of FGF5 in Cashmere Goats Using CRISPR/Cas9 Results in More Secondary Hair Follicles and Longer Fibers. *PLoS ONE*, **2016**, 11, e0164640	3.7	43
45	Fibroblast growth factor 5-short (FGF5s) inhibits the activity of FGF5 in primary and secondary hair follicle dermal papilla cells of cashmere goats. *Gene*, **2016**, 575, 393-398	3.8	33
44	Exosomal Micro RNAs Derived from Dermal Papilla Cells Mediate Hair Follicle Stem Cell Proliferation and Differentiation. *International Journal of Biological Sciences*, **2019**, 15, 1368-1382	11.2	32
43	The origin of domestication genes in goats. *Science Advances*, **2020**, 6, eaaz5216	14.3	28
42	Sheep and Goat Genome Engineering: From Random Transgenesis to the CRISPR Era. *Frontiers in Genetics*, **2019**, 10, 750	4.5	27
41	Characterization and Comparison of Microbiota in the Gastrointestinal Tracts of the Goat () During Preweaning Development. *Frontiers in Microbiology*, **2019**, 10, 2125	5.7	22
40	Trio-Based Deep Sequencing Reveals a Low Incidence of Off-Target Mutations in the Offspring of Genetically Edited Goats. *Frontiers in Genetics*, **2018**, 9, 449	4.5	22
39	Integrating miRNA and mRNA Expression Profiling Uncovers miRNAs Underlying Fat Deposition in Sheep. *BioMed Research International*, **2017**, 2017, 1857580	3	21
38	Integrative analysis reveals ncRNA-mediated molecular regulatory network driving secondary hair follicle regression in cashmere goats. *BMC Genomics*, **2018**, 19, 222	4.5	21

37	Comparative transcriptome analysis reveals potentially novel roles of Homeobox genes in adipose deposition in fat-tailed sheep. *Scientific Reports*, **2017**, 7, 14491	4.9	21
36	Low incidence of SNVs and indels in trio genomes of Cas9-mediated multiplex edited sheep. *BMC Genomics*, **2018**, 19, 397	4.5	20
35	Efficient generation of goats with defined point mutation (I397V) in GDF9 through CRISPR/Cas9. *Reproduction, Fertility and Development*, **2018**, 30, 307-312	1.8	20
34	Programmable Base Editing of the Sheep Genome Revealed No Genome-Wide Off-Target Mutations. *Frontiers in Genetics*, **2019**, 10, 215	4.5	19
33	Comparative proteomic analyses using iTRAQ-labeling provides insights into fiber diversity in sheep and goats. *Journal of Proteomics*, **2018**, 172, 82-88	3.9	19
32	Biallelic □carotene oxygenase 2 knockout results in yellow fat in sheep via CRISPR/Cas9. *Animal Genetics*, **2017**, 48, 242-244	2.5	19
31	Whole-genome bisulfite sequencing of goat skins identifies signatures associated with hair cycling. *BMC Genomics*, **2018**, 19, 638	4.5	18
30	Enhancing prime editing by Csy4-mediated processing of pegRNA. *Cell Research*, **2021**, 31, 1134-1136	24.7	17
29	Generation of gene-edited sheep with a defined Booroola fecundity gene (FecB) mutation in bone morphogenetic protein receptor type 1B (BMPR1B) via clustered regularly interspaced short palindromic repeat (CRISPR)/CRISPR-associated (Cas) 9. *Reproduction, Fertility and Development*, **2018**, 30, 1616-1621	1.8	16
28	T□-overexpression based on the piggyBac transposon system in cashmere goats alters hair fiber characteristics. *Transgenic Research*, **2017**, 26, 77-85	3.3	15
27	RNA-seq reveals transcriptome changes in goats following myostatin gene knockout. *PLoS ONE*, **2017**, 12, e0187966	3.7	15
26	Ancient Genomes Reveal the Evolutionary History and Origin of Cashmere-Producing Goats in China. *Molecular Biology and Evolution*, **2020**, 37, 2099-2109	8.3	13
25	Base pair editing in goat: nonsense codon introgression into FGF5 results in longer hair. *FEBS Journal*, **2019**, 286, 4675-4692	5.7	12
24	Transactivation of miR-202-5p by Steroidogenic Factor 1 (SF1) Induces Apoptosis in Goat Granulosa Cells by Targeting TGFR2. *Cells*, **2020**, 9,	7.9	11
23	A non-synonymous mutation in GDF9 is highly associated with litter size in cashmere goats. *Animal Genetics*, **2016**, 47, 630-1	2.5	11
22	An atlas of CNV maps in cattle, goat and sheep. *Science China Life Sciences*, **2021**, 64, 1747-1764	8.5	8
21	Highly efficient generation of sheep with a defined FecB mutation via adenine base editing. *Genetics Selection Evolution*, **2020**, 52, 35	4.9	7
20	Modes of genetic adaptations underlying functional innovations in the rumen. *Science China Life Sciences*, **2021**, 64, 1-21	8.5	7

19	Effect of miR-125b on dermal papilla cells of goat secondary hair follicle. *Electronic Journal of Biotechnology*, **2017**, 25, 64-69	3.1	6
18	Synchronous profiling and analysis of mRNAs and ncRNAs in the dermal papilla cells from cashmere goats. *BMC Genomics*, **2019**, 20, 512	4.5	6
17	mRNA transcription and protein expression of PPARFAS, and HSL in different parts of the carcass between fat-tailed and thin-tailed sheep. *Electronic Journal of Biotechnology*, **2015**, 18, 215-220	3.1	6
16	Redesigning small ruminant genomes with CRISPR toolkit: Overview and perspectives. *Theriogenology*, **2020**, 147, 25-33	2.8	6
15	Label-Free LC-MS/MS Proteomics Analyses Reveal Proteomic Changes Accompanying KO in C2C12 Cells. *BioMed Research International*, **2019**, 2019, 7052456	3	5
14	Dynamics of rumen gene expression, microbiome colonization, and their interplay in goats. *BMC Genomics*, **2021**, 22, 288	4.5	4
13	Role of OXCT1 in ovine adipose and preadipocyte differentiation. *Biochemical and Biophysical Research Communications*, **2019**, 512, 779-785	3.4	3
12	PPARFAS, HSL mRNA and protein expression during Tan sheep fat-tail development. *Electronic Journal of Biotechnology*, **2015**, 18, 122-127	3.1	3
11	Optimisation of the clustered regularly interspaced short palindromic repeats (CRISPR)/Cas9 : single-guide RNA (sgRNA) delivery system in a goat model. *Reproduction, Fertility and Development*, **2019**, 31, 1533-1537	1.8	3
10	Meeting report on the 2019 international symposium of molecular design breeding in animals (Yangling, China) with the consensus on genome-editing agricultural animals and their regulation. *Transgenic Research*, **2020**, 29, 263-265	3.3	2
9	Multiplex Gene Editing via CRISPR/Cas9 System in Sheep. *Bio-protocol*, **2017**, 7, e2385	0.9	2
8	Taxonomic and functional adaption of the gastrointestinal microbiome of goats kept at high altitude (4800m) under intensive or extensive rearing conditions. *FEMS Microbiology Ecology*, **2021**, 97,	4.3	2
7	CRISPR/Cas9-mediated knockout plays an essential role in the growth of dermal papilla cells through enhanced relative genes. *PeerJ*, **2019**, 7, e7230	3.1	1
6	Selective Sweeps Uncovering the Genetic Basis of Horn and Adaptability Traits on Fine-Wool Sheep in China. *Frontiers in Genetics*, **2021**, 12, 604235	4.5	1
5	Effects of all-trans retinoic acid on goat dermal papilla cells cultured in vitro. *Electronic Journal of Biotechnology*, **2018**, 34, 43-50	3.1	1
4	Optimized Cas9:sgRNA delivery efficiently generates biallelic MSTN knockout sheep without affecting meat quality.. *BMC Genomics*, **2022**, 23, 348	4.5	1
3	Generation of Double-Muscled Sheep and Goats by CRISPR/Cas9-Mediated Knockout of the Myostatin Gene. *Methods in Molecular Biology*, **2022**, 295-323	1.4	1
2	Effect of dietary nutrition on tail fat deposition and evaluation of tail-related genes in fat-tailed sheep. *Electronic Journal of Biotechnology*, **2020**, 46, 30-37	3.1	0

1	Deletions in the gene are associated with fiber traits in cashmere-producing goats. *Animal Biotechnology*, **2021**, 1-7	1.4