Kun Wang

List of Publications by Year
in descending order

44	3,050	279798 23	265206 42
papers	citations	h-index	g-index

48	48	48	3925
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The yak genome and adaptation to life at high altitude. Nature Genetics, 2012, 44, 946-949.	21.4	708
2	Large-scale ruminant genome sequencing provides insights into their evolution and distinct traits. Science, 2019, 364, .	12.6	266
3	Whole-genome resequencing reveals world-wide ancestry and adaptive introgression events of domesticated cattle in East Asia. Nature Communications, 2018, 9, 2337.	12.8	253
4	Allele-aware chromosome-level genome assembly and efficient transgene-free genome editing for the autotetraploid cultivated alfalfa. Nature Communications, 2020, 11, 2494.	12.8	224
5	Yak whole-genome resequencing reveals domestication signatures and prehistoric population expansions. Nature Communications, 2015, 6, 10283.	12.8	214
6	The Earth BioGenome Project 2020: Starting the clock. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	124
7	Genetic basis of ruminant headgear and rapid antler regeneration. Science, 2019, 364, .	12.6	121
8	Morphology and genome of a snailfish from the Mariana Trench provide insights into deep-sea adaptation. Nature Ecology and Evolution, 2019, 3, 823-833.	7.8	99
9	African lungfish genome sheds light on the vertebrate water-to-land transition. Cell, 2021, 184, 1362-1376.e18.	28.9	99
10	The origin of domestication genes in goats. Science Advances, 2020, 6, eaaz5216.	10.3	86
11	Incomplete lineage sorting rather than hybridization explains the inconsistent phylogeny of the wisent. Communications Biology, 2018, 1, 169.	4.4	84
12	Tracing the genetic footprints of vertebrate landing in non-teleost ray-finned fishes. Cell, 2021, 184, 1377-1391.e14.	28.9	66
13	Biological adaptations in the Arctic cervid, the reindeer (Rangifer tarandus). Science, 2019, 364, .	12.6	58
14	Comparative transcriptomic analysis revealed adaptation mechanism of Phrynocephalus erythrurus, the highest altitude Lizard living in the Qinghai-Tibet Plateau. BMC Evolutionary Biology, 2015, 15, 101.	3.2	50
15	Initial data release and announcement of the 10,000 Fish Genomes Project (Fish10K). GigaScience, 2020, 9, .	6.4	47
16	Chromosome-level genome assembly reveals the unique genome evolution of the swimming crab (Portunus trituberculatus). GigaScience, 2020, 9, .	6.4	44
17	Comparative genomics provides insights into the aquatic adaptations of mammals. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	43
18	Draft genome of the reindeer (Rangifer tarandus). GigaScience, 2017, 6, 1-5.	6.4	41

#	Article	IF	Citations
19	Transcriptome sequencing and phylogenomic resolution within Spalacidae (Rodentia). BMC Genomics, 2014, 15, 32.	2.8	37
20	Nanopore Sequencing and De Novo Assembly of a Black-Shelled Pacific Oyster (Crassostrea gigas) Genome. Frontiers in Genetics, 2019, 10, 1211.	2.3	33
21	A towering genome: Experimentally validated adaptations to high blood pressure and extreme stature in the giraffe. Science Advances, 2021, 7, .	10.3	31
22	Large-scale sequencing of flatfish genomes provides insights into the polyphyletic origin of their specialized body plan. Nature Genetics, 2021, 53, 742-751.	21.4	30
23	Comparative genome anatomy reveals evolutionary insights into a unique amphitriploid fish. Nature Ecology and Evolution, 2022, 6, 1354-1366.	7.8	29
24	Draft genome of the Marco Polo Sheep (Ovis ammon polii). GigaScience, 2017, 6, 1-7.	6.4	25
25	The genome sequence of the wisent (Bison bonasus). GigaScience, 2017, 6, 1-5.	6.4	22
26	Draft genome of the milu (Elaphurus davidianus). GigaScience, 2018, 7, .	6.4	22
27	Modes of genetic adaptations underlying functional innovations in the rumen. Science China Life Sciences, 2021, 64, 1-21.	4.9	19
28	The complete chloroplast genome of Sinadoxa corydalifolia (Adoxaceae). Conservation Genetics Resources, 2016, 8, 303-305.	0.8	18
29	Genome Sequence of the Freshwater Yangtze Finless Porpoise. Genes, 2018, 9, 213.	2.4	16
30	The sequence and de novo assembly of the wild yak genome. Scientific Data, 2020, 7, 66.	5.3	16
31	De Novo Genome Assembly of Limpet Bathyacmaea lactea (Gastropoda: Pectinodontidae): The First Reference Genome of a Deep-Sea Gastropod Endemic to Cold Seeps. Genome Biology and Evolution, 2020, 12, 905-910.	2.5	15
32	The Genomes of Two Billfishes Provide Insights into the Evolution of Endothermy in Teleosts. Molecular Biology and Evolution, 2021, 38, 2413-2427.	8.9	15
33	An Indo-Pacific Humpback Dolphin Genome Reveals Insights into Chromosome Evolution and the Demography of a Vulnerable Species. IScience, 2020, 23, 101640.	4.1	14
34	The seasonal development dynamics of the yak hair cycle transcriptome. BMC Genomics, 2020, 21, 355.	2.8	14
35	Chromosomeâ€level genome assembly of Paralithodes platypus provides insights into evolution and adaptation of king crabs. Molecular Ecology Resources, 2021, 21, 511-525.	4.8	14
36	Enhanced osteogenic differentiation of osteoblasts on CaTiO3 nanotube film. Colloids and Surfaces B: Biointerfaces, 2020, 187, 110773.	5.0	12

#	Article	IF	Citations
37	The genome of a new anemone species (Actiniaria: Hormathiidae) provides insights into deep-sea adaptation. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 170, 103492.	1.4	11
38	Characterization of the complete chloroplast genome of Populus qiongdaoensis T. Hong et P. Luo. Conservation Genetics Resources, 2016, 8, 435-437.	0.8	9
39	Identification of a molecular subtyping system associated with the prognosis of Asian hepatocellular carcinoma patients receiving liver resection. Scientific Reports, 2019, 9, 7073.	3.3	7
40	Co-culture of BMSCs and HUVECs with simvastatin-loaded gelatin nanosphere/chitosan coating on Mg alloy for osteogenic differentiation and vasculogenesis. International Journal of Biological Macromolecules, 2021, 193, 2021-2028.	7.5	7
41	Gene expression responses in zebrafish to short-term high-hydrostatic pressure. Zoological Research, 2022, 43, 188-191.	2.1	3
42	Pattern of New Gene Origination in a Special Fish Lineage, the Flatfishes. Genes, 2021, 12, 1819.	2.4	2
43	Complete mitochondrial genome sequence of the Thomsonâ€™s gazelle (Eudorcas thomsonii). Conservation Genetics Resources, 2018, 10, 543-545.	0.8	0
44	Reply to Gaudry etÂal.: Cross-validation is necessary for the identification of pseudogenes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2120427119.	7.1	0