

Kun Wang

List of Publications by Year in descending order

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44
papers

3,050
citations

279798

23
h-index

265206

42
g-index

48
all docs

48
docs citations

48
times ranked

3925
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Gene expression responses in zebrafish to short-term high-hydrostatic pressure. Zoological Research, 2022, 43, 188-191.	2.1	3
3	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
4	Comparative genome anatomy reveals evolutionary insights into a unique amphitriploid fish. Nature Ecology and Evolution, 2022, 6, 1354-1366.	7.8	29
5	Modes of genetic adaptations underlying functional innovations in the rumen. Science China Life Sciences, 2021, 64, 1-21.	4.9	19
6	Chromosome-level genome assembly of <i>Paralithodes platypus</i> provides insights into evolution and adaptation of king crabs. Molecular Ecology Resources, 2021, 21, 511-525.	4.8	14
7	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
8	A towering genome: Experimentally validated adaptations to high blood pressure and extreme stature in the giraffe. Science Advances, 2021, 7, .	10.3	31
9	Tracing the genetic footprints of vertebrate landing in non-teleost ray-finned fishes. Cell, 2021, 184, 1377-1391.e14.	28.9	66
10	African lungfish genome sheds light on the vertebrate water-to-land transition. Cell, 2021, 184, 1362-1376.e18.	28.9	99
11	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
12	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
13	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
14	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
15	Pattern of New Gene Origination in a Special Fish Lineage, the Flatfishes. Genes, 2021, 12, 1819.	2.4	2
16	Chromosome-level genome assembly reveals the unique genome evolution of the swimming crab (<i>Portunus trituberculatus</i>). GigaScience, 2020, 9, .	6.4	44
17	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
18	Initial data release and announcement of the 10,000 Fish Genomes Project (Fish10K). GigaScience, 2020, 9, .	6.4	47

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19	Allele-aware chromosome-level genome assembly and efficient transgene-free genome editing for the autotetraploid cultivated alfalfa. <i>Nature Communications</i> , 2020, 11, 2494.	12.8	224
20	The seasonal development dynamics of the yak hair cycle transcriptome. <i>BMC Genomics</i> , 2020, 21, 355.	2.8	14
21	De Novo Genome Assembly of Limpet <i>Bathycyba lactea</i> (Gastropoda: Pectinodontidae): The First Reference Genome of a Deep-Sea Gastropod Endemic to Cold Seeps. <i>Genome Biology and Evolution</i> , 2020, 12, 905-910.	2.5	15
22	The origin of domestication genes in goats. <i>Science Advances</i> , 2020, 6, eaaz5216.	10.3	86
23	The sequence and de novo assembly of the wild yak genome. <i>Scientific Data</i> , 2020, 7, 66.	5.3	16
24	Enhanced osteogenic differentiation of osteoblasts on CaTiO ₃ nanotube film. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 187, 110773.	5.0	12
25	Nanopore Sequencing and De Novo Assembly of a Black-Shelled Pacific Oyster (<i>Crassostrea gigas</i>) Genome. <i>Frontiers in Genetics</i> , 2019, 10, 1211.	2.3	33
26	Large-scale ruminant genome sequencing provides insights into their evolution and distinct traits. <i>Science</i> , 2019, 364, .	12.6	266
27	Biological adaptations in the Arctic cervid, the reindeer (<i>Rangifer tarandus</i>). <i>Science</i> , 2019, 364, .	12.6	58
28	Genetic basis of ruminant headgear and rapid antler regeneration. <i>Science</i> , 2019, 364, .	12.6	121
29	Identification of a molecular subtyping system associated with the prognosis of Asian hepatocellular carcinoma patients receiving liver resection. <i>Scientific Reports</i> , 2019, 9, 7073.	3.3	7
30	Morphology and genome of a snailfish from the Mariana Trench provide insights into deep-sea adaptation. <i>Nature Ecology and Evolution</i> , 2019, 3, 823-833.	7.8	99
31	Draft genome of the milu (<i>Elaphurus davidianus</i>). <i>GigaScience</i> , 2018, 7, .	6.4	22
32	Complete mitochondrial genome sequence of the Thomson's gazelle (<i>Eudorcas thomsonii</i>). <i>Conservation Genetics Resources</i> , 2018, 10, 543-545.	0.8	0
33	Incomplete lineage sorting rather than hybridization explains the inconsistent phylogeny of the wisent. <i>Communications Biology</i> , 2018, 1, 169.	4.4	84
34	Genome Sequence of the Freshwater Yangtze Finless Porpoise. <i>Genes</i> , 2018, 9, 213.	2.4	16
35	Whole-genome resequencing reveals world-wide ancestry and adaptive introgression events of domesticated cattle in East Asia. <i>Nature Communications</i> , 2018, 9, 2337.	12.8	253
36	The genome sequence of the wisent (<i>Bison bonasus</i>). <i>GigaScience</i> , 2017, 6, 1-5.	6.4	22

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37	Draft genome of the reindeer (<i>Rangifer tarandus</i>). <i>GigaScience</i> , 2017, 6, 1-5.	6.4	41
38	Draft genome of the Marco Polo Sheep (<i>Ovis ammon polii</i>). <i>GigaScience</i> , 2017, 6, 1-7.	6.4	25
39	Characterization of the complete chloroplast genome of <i>Populus qionghoensis</i> T. Hong et P. Luo. <i>Conservation Genetics Resources</i> , 2016, 8, 435-437.	0.8	9
40	The complete chloroplast genome of <i>Sinodoxa corydalifolia</i> (Adoxaceae). <i>Conservation Genetics Resources</i> , 2016, 8, 303-305.	0.8	18
41	Yak whole-genome resequencing reveals domestication signatures and prehistoric population expansions. <i>Nature Communications</i> , 2015, 6, 10283.	12.8	214
42	Comparative transcriptomic analysis revealed adaptation mechanism of <i>Phrynocephalus erythrurus</i> , the highest altitude Lizard living in the Qinghai-Tibet Plateau. <i>BMC Evolutionary Biology</i> , 2015, 15, 101.	3.2	50
43	Transcriptome sequencing and phylogenomic resolution within Spalacidae (Rodentia). <i>BMC Genomics</i> , 2014, 15, 32.	2.8	37
44	The yak genome and adaptation to life at high altitude. <i>Nature Genetics</i> , 2012, 44, 946-949.	21.4	708