

Shyam Gopalakrishnan

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,268
citations

172386

29
h-index

182361

51
g-index

73
all docs

73
docs citations

73
times ranked

5781
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-tube library preparation for degraded DNA. <i>Methods in Ecology and Evolution</i> , 2018, 9, 410-419.	2.2	261
2	An Anthropocene map of genetic diversity. <i>Science</i> , 2016, 353, 1532-1535.	6.0	251
3	The evolutionary history of dogs in the Americas. <i>Science</i> , 2018, 361, 81-85.	6.0	140
4	Promises and pitfalls of using high-throughput sequencing for diet analysis. <i>Molecular Ecology Resources</i> , 2019, 19, 327-348.	2.2	138
5	Comparative performance of the BGISEQ-500 vs Illumina HiSeq2500 sequencing platforms for palaeogenomic sequencing. <i>GigaScience</i> , 2017, 6, 1-13.	3.3	137
6	Genome Sequence of a 5,310-Year-Old Maize Cob Provides Insights into the Early Stages of Maize Domestication. <i>Current Biology</i> , 2016, 26, 3195-3201.	1.8	130
7	Extending Rare-Variant Testing Strategies: Analysis of Noncoding Sequence and Imputed Genotypes. <i>American Journal of Human Genetics</i> , 2010, 87, 604-617.	2.6	121
8	Genome-wide association study of behavioral, physiological and gene expression traits in outbred CFW mice. <i>Nature Genetics</i> , 2016, 48, 919-926.	9.4	119
9	Unraveling ancestry, kinship, and violence in a Late Neolithic mass grave. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10705-10710.	3.3	119
10	Variation in the Form of Pavlovian Conditioned Approach Behavior among Outbred Male Sprague-Dawley Rats from Different Vendors and Colonies: Sign-Tracking vs. Goal-Tracking. <i>PLoS ONE</i> , 2013, 8, e75042.	1.1	116
11	Agriculture shapes the trophic niche of a bat preying on multiple pest arthropods across Europe: Evidence from DNA metabarcoding. <i>Molecular Ecology</i> , 2018, 27, 815-825.	2.0	110
12	Interspecific Gene Flow Shaped the Evolution of the Genus <i>Canis</i> . <i>Current Biology</i> , 2018, 28, 3441-3449.e5.	1.8	110
13	Holo-Omics: Integrated Host-Microbiota Multi-omics for Basic and Applied Biological Research. <i>IScience</i> , 2020, 23, 101414.	1.9	80
14	An efficient comprehensive search algorithm for tagSNP selection using linkage disequilibrium criteria. <i>Bioinformatics</i> , 2006, 22, 220-225.	1.8	74
15	The wolf reference genome sequence (<i>Canis lupus lupus</i>) and its implications for <i>Canis</i> spp. population genomics. <i>BMC Genomics</i> , 2017, 18, 495.	1.2	73
16	Using DNA metabarcoding for simultaneous inference of common vampire bat diet and population structure. <i>Molecular Ecology Resources</i> , 2018, 18, 1050-1063.	2.2	70
17	The evolutionary history of extinct and living lions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10927-10934.	3.3	70
18	Mapping of Craniofacial Traits in Outbred Mice Identifies Major Developmental Genes Involved in Shape Determination. <i>PLoS Genetics</i> , 2015, 11, e1005607.	1.5	67

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19	Origins and genetic legacies of the Caribbean Taino. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2341-2346.	3.3	64
20	Ancient genomes from Iceland reveal the making of a human population. Science, 2018, 360, 1028-1032.	6.0	62
21	A 5700 year-old human genome and oral microbiome from chewed birch pitch. Nature Communications, 2019, 10, 5520.	5.8	61
22	Arctic-adapted dogs emerged at the Pleistocene–Holocene transition. Science, 2020, 368, 1495-1499.	6.0	60
23	Population genomics of grey wolves and wolf-like canids in North America. PLoS Genetics, 2018, 14, e1007745.	1.5	54
24	Ancient and modern genomes unravel the evolutionary history of the rhinoceros family. Cell, 2021, 184, 4874-4885.e16.	13.5	49
25	Grey wolf genomic history reveals a dual ancestry of dogs. Nature, 2022, 607, 313-320.	13.7	48
26	Dire wolves were the last of an ancient New World canid lineage. Nature, 2021, 591, 87-91.	13.7	43
27	Whole-Genome Sequencing of African Dogs Provides Insights into Adaptations against Tropical Parasites. Molecular Biology and Evolution, 2018, 35, 287-298.	3.5	41
28	Influence of past climate change on phylogeography and demographic history of narwhals, <i>Monodon monoceros</i> . Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192964.	1.2	39
29	Historical population declines prompted significant genomic erosion in the northern and southern white rhinoceros (<i>Ceratotherium simum</i>). Molecular Ecology, 2021, 30, 6355-6369.	2.0	39
30	Specialized sledge dogs accompanied Inuit dispersal across the North American Arctic. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191929.	1.2	38
31	Plasmodium vivax Malaria Viewed through the Lens of an Eradicated European Strain. Molecular Biology and Evolution, 2020, 37, 773-785.	3.5	38
32	Genomic Adaptations and Evolutionary History of the Extinct Scimitar-Toothed Cat, Homotherium latidens. Current Biology, 2020, 30, 5018-5025.e5.	1.8	34
33	Hybridization between two high Arctic cetaceans confirmed by genomic analysis. Scientific Reports, 2019, 9, 7729.	1.6	33
34	Multi-omic detection of <i>Mycobacterium leprae</i> in archaeological human dental calculus. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190584.	1.8	31
35	Genomes of Pleistocene Siberian Wolves Uncover Multiple Extinct Wolf Lineages. Current Biology, 2021, 31, 198-206.e8.	1.8	26
36	A multi-omics approach unravels metagenomic and metabolic alterations of a probiotic and synbiotic additive in rainbow trout (<i>Oncorhynchus mykiss</i>). Microbiome, 2022, 10, 21.	4.9	25

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37	Mitochondrial genomes of Danish vertebrate species generated for the national DNA reference database, DNAMark. <i>Environmental DNA</i> , 2021, 3, 472-480.	3.1	24
38	Family-based SNP association study on 8q24 in bipolar disorder. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2008, 147B, 612-618.	1.1	22
39	Biodiversity Soup II: A bulk-sample metabarcoding pipeline emphasizing error reduction. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1252-1264.	2.2	21
40	Interspecific Gene Flow and the Evolution of Specialization in Black and White Rhinoceros. <i>Molecular Biology and Evolution</i> , 2020, 37, 3105-3117.	3.5	20
41	Adapting Genotyping-by-Sequencing and Variant Calling for Heterogeneous Stock Rats. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 2195-2205.	0.8	19
42	Modern Siberian dog ancestry was shaped by several thousand years of Eurasian-wide trade and human dispersal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	19
43	Assessing the Impact of Non-Differential Genotyping Errors on Rare Variant Tests of Association. <i>Human Heredity</i> , 2011, 72, 153-160.	0.4	18
44	The rise of genomics in snake venom research: recent advances and future perspectives. <i>GigaScience</i> , 2022, 11, .	3.3	17
45	eDNA-based biomonitoring at an experimental German vineyard to characterize how management regimes shape ecosystem diversity. <i>Environmental DNA</i> , 2021, 3, 70-82.	3.1	14
46	Circumpolar phylogeography and demographic history of beluga whales reflect past climatic fluctuations. <i>Molecular Ecology</i> , 2021, 30, 2543-2559.	2.0	12
47	Extended survival of Pleistocene Siberian wolves into the early 20th century on the island of Honshu. <i>iScience</i> , 2021, 24, 101904.	1.9	9
48	The genome sequence of the grey wolf, <i>Canis lupus</i> Linnaeus 1758. <i>Wellcome Open Research</i> , 2021, 6, 310.	0.9	9
49	Ancient Maltese genomes and the genetic geography of Neolithic Europe. <i>Current Biology</i> , 2022, 32, 2668-2680.e6.	1.8	9
50	Probing the genomic limits of de-extinction in the Christmas Island rat. <i>Current Biology</i> , 2022, . .	1.8	8
51	Evolutionary history of the extinct Sardinian dhole. <i>Current Biology</i> , 2021, 31, 5571-5579.e6.	1.8	7
52	Analysis of independent cohorts of outbred CFW mice reveals novel loci for behavioral and physiological traits and identifies factors determining reproducibility. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	5
53	TAGSNP SELECTION BASED ON PAIRWISE LD CRITERIA AND POWER ANALYSIS IN ASSOCIATION STUDIES. , 2005, , .		4
54	MobiSeq: De novo SNP discovery in model and non-model species through sequencing the flanking region of transposable elements. <i>Molecular Ecology Resources</i> , 2019, 19, 512-525.	2.2	4

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55	Conservation genomics of the endangered Seychelles Magpie-Robin (<i>Copsychus sechellarum</i>): A unique insight into the history of a precious endemic bird. <i>Ibis</i> , 0, , .	1.0	4
56	TagSNP selection based on pairwise LD criteria and power analysis in association studies. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2006, , 511-22.	0.7	1
57	Pervasive Phylogenomic Incongruence Underlies Evolutionary Relationships in Eyebrights (Euphrasia,) Tj ETQq1 1 0.784314 rgBT /Oved	1.7	1