

Erich D Jarvis

List of Publications by Citations

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197
papers

17,921
citations

62
h-index

132
g-index

229
ext. papers

22,352
ext. citations

11.5
avg, IF

6.53
L-index

#	Paper	IF	Citations
197	Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs. <i>Nature</i> , 2002 , 420, 563-73	50.4	1350
196	Whole-genome analyses resolve early branches in the tree of life of modern birds. <i>Science</i> , 2014 , 346, 1320-31	33.3	1182
195	Revised nomenclature for avian telencephalon and some related brainstem nuclei. <i>Journal of Comparative Neurology</i> , 2004 , 473, 377-414	3.4	928
194	Avian brains and a new understanding of vertebrate brain evolution. <i>Nature Reviews Neuroscience</i> , 2005 , 6, 151-9	13.5	810
193	Hybrid error correction and de novo assembly of single-molecule sequencing reads. <i>Nature Biotechnology</i> , 2012 , 30, 693-700	44.5	758
192	The genome of a songbird. <i>Nature</i> , 2010 , 464, 757-62	50.4	655
191	Comparative genomics reveals insights into avian genome evolution and adaptation. <i>Science</i> , 2014 , 346, 1311-20	33.3	628
190	Advances to Bayesian network inference for generating causal networks from observational biological data. <i>Bioinformatics</i> , 2004 , 20, 3594-603	7.2	472
189	Assemblathon 2: evaluating de novo methods of genome assembly in three vertebrate species. <i>GigaScience</i> , 2013 , 2, 10	7.6	461
188	Learned birdsong and the neurobiology of human language. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1016, 749-77	6.5	381
187	For whom the bird sings: context-dependent gene expression. <i>Neuron</i> , 1998 , 21, 775-88	13.9	379
186	Earth BioGenome Project: Sequencing life for the future of life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4325-4333	11.5	334
185	FoxP2 expression in avian vocal learners and non-learners. <i>Journal of Neuroscience</i> , 2004 , 24, 3164-75	6.6	318
184	Motor-driven gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 4097-102	11.5	312
183	Convergent transcriptional specializations in the brains of humans and song-learning birds. <i>Science</i> , 2014 , 346, 1256846	33.3	283
182	Birds, primates, and spoken language origins: behavioral phenotypes and neurobiological substrates. <i>Frontiers in Evolutionary Neuroscience</i> , 2012 , 4, 12		248
181	Behaviourally driven gene expression reveals song nuclei in hummingbird brain. <i>Nature</i> , 2000 , 406, 628-33	50.4	245

180	Three crocodylian genomes reveal ancestral patterns of evolution among archosaurs. <i>Science</i> , 2014 , 346, 1254449	33.3	231
179	Decrements in auditory responses to a repeated conspecific song are long-lasting and require two periods of protein synthesis in the songbird forebrain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 3406-10	11.5	227
178	Induction of hippocampal long-term potentiation during waking leads to increased extrahippocampal zif-268 expression during ensuing rapid-eye-movement sleep. <i>Journal of Neuroscience</i> , 2002 , 22, 10914-23	6.6	211
177	Rapid behavioral and genomic responses to social opportunity. <i>PLoS Biology</i> , 2005 , 3, e363	9.7	206
176	Molecular mapping of movement-associated areas in the avian brain: a motor theory for vocal learning origin. <i>PLoS ONE</i> , 2008 , 3, e1768	3.7	188
175	Complex evolutionary trajectories of sex chromosomes across bird taxa. <i>Science</i> , 2014 , 346, 1246338	33.3	184
174	Of mice, birds, and men: the mouse ultrasonic song system has some features similar to humans and song-learning birds. <i>PLoS ONE</i> , 2012 , 7, e46610	3.7	183
173	A relationship between behavior, neurotrophin expression, and new neuron survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 8584-9	11.5	176
172	A membrane-associated progesterone-binding protein, 25-Dx, is regulated by progesterone in brain regions involved in female reproductive behaviors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 12816-21	11.5	174
171	Global view of the functional molecular organization of the avian cerebrum: mirror images and functional columns. <i>Journal of Comparative Neurology</i> , 2013 , 521, 3614-65	3.4	167
170	Mouse vocal communication system: are ultrasounds learned or innate?. <i>Brain and Language</i> , 2013 , 124, 96-116	2.9	163
169	Towards complete and error-free genome assemblies of all vertebrate species. <i>Nature</i> , 2021 , 592, 737-746	36.4	161
168	A molecular neuroethological approach for identifying and characterizing a cascade of behaviorally regulated genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15212-7	11.5	156
167	Social context-dependent singing-regulated dopamine. <i>Journal of Neuroscience</i> , 2006 , 26, 9010-4	6.6	151
166	Songbirds and the revised avian brain nomenclature. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1016, 77-108	6.5	132
165	Molecular mapping of brain areas involved in parrot vocal communication. <i>Journal of Comparative Neurology</i> , 2000 , 419, 1-31	3.4	130
164	The Origin and Diversification of Birds. <i>Current Biology</i> , 2015 , 25, R888-98	6.3	124
163	Role of the midbrain dopaminergic system in modulation of vocal brain activation by social context. <i>European Journal of Neuroscience</i> , 2007 , 25, 3406-16	3.5	121

162	Differential expression of glutamate receptors in avian neural pathways for learned vocalization. <i>Journal of Comparative Neurology</i> , 2004 , 476, 44-64	3.4	120
161	Night-vision brain area in migratory songbirds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 8339-44	11.5	120
160	Male mice song syntax depends on social contexts and influences female preferences. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 76	3.5	109
159	The complete sequence of a human genome.. <i>Science</i> , 2022 , 376, 44-53	33.3	107
158	Computational inference of neural information flow networks. <i>PLoS Computational Biology</i> , 2006 , 2, e161	5	101
157	Associative learning and stimulus novelty influence the song-induced expression of an immediate early gene in the canary forebrain. <i>Learning and Memory</i> , 1995 , 2, 62-80	2.8	101
156	Dopamine receptors in a songbird brain. <i>Journal of Comparative Neurology</i> , 2010 , 518, 741-69	3.4	100
155	De novo PacBio long-read and phased avian genome assemblies correct and add to reference genes generated with intermediate and short reads. <i>GigaScience</i> , 2017 , 6, 1-16	7.6	97
154	Genomics: Bird sequencing project takes off. <i>Nature</i> , 2015 , 522, 34	50.4	97
153	Comparative genomics based on massive parallel transcriptome sequencing reveals patterns of substitution and selection across 10 bird species. <i>Molecular Ecology</i> , 2010 , 19 Suppl 1, 266-76	5.7	97
152	Evaluating functional network inference using simulations of complex biological systems. <i>Bioinformatics</i> , 2002 , 18 Suppl 1, S216-24	7.2	93
151	Comparative genomic data of the Avian Phylogenomics Project. <i>GigaScience</i> , 2014 , 3, 26	7.6	91
150	Selection for and against vocal learning in birds and mammals. <i>Ornithological Science</i> , 2006 , 5, 5-14	0.7	90
149	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , 2020 , 587, 252-257	50.4	89
148	Site-specific retinoic acid production in the brain of adult songbirds. <i>Neuron</i> , 2000 , 27, 359-70	13.9	86
147	The genomic consequences of adaptive divergence and reproductive isolation between species of manakins. <i>Molecular Ecology</i> , 2013 , 22, 3304-17	5.7	83
146	Core and region-enriched networks of behaviorally regulated genes and the singing genome. <i>Science</i> , 2014 , 346, 1256780	33.3	81
145	Evolution of vocal learning and spoken language. <i>Science</i> , 2019 , 366, 50-54	33.3	78

144	Evidence for a single loss of mineralized teeth in the common avian ancestor. <i>Science</i> , 2014 , 346, 1254390-3	9.3	74
143	Six reference-quality genomes reveal evolution of bat adaptations. <i>Nature</i> , 2020 , 583, 578-584	50.4	73
142	Dynamic evolution of base composition: causes and consequences in avian phylogenomics. <i>Molecular Biology and Evolution</i> , 2011 , 28, 2197-210	8.3	71
141	Neural systems for vocal learning in birds and humans: a synopsis. <i>Journal Fur Ornithologie</i> , 2007 , 148, 35-44		70
140	Brain evolution by brain pathway duplication. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	68
139	High-coverage sequencing and annotated assemblies of the budgerigar genome. <i>GigaScience</i> , 2014 , 3, 11	7.6	67
138	Dynamic evolution of the alpha (H) and beta (I) keratins has accompanied integument diversification and the adaptation of birds into novel lifestyles. <i>BMC Evolutionary Biology</i> , 2014 , 14, 249	3	66
137	Molecular profiling of the developing avian telencephalon: regional timing and brain subdivision continuities. <i>Journal of Comparative Neurology</i> , 2013 , 521, 3666-701	3.4	63
136	Lateralized activation of Cluster N in the brains of migratory songbirds. <i>European Journal of Neuroscience</i> , 2007 , 25, 1166-73	3.5	60
135	A Foxp2 Mutation Implicated in Human Speech Deficits Alters Sequencing of Ultrasonic Vocalizations in Adult Male Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2016 , 10, 197	3.5	60
134	The complete sequence of a human genome		58
133	Genomic signatures of near-extinction and rebirth of the crested ibis and other endangered bird species. <i>Genome Biology</i> , 2014 , 15, 557	18.3	56
132	Identification of aberrantly regulated genes in diseased skin using the cDNA differential display technique. <i>Journal of Investigative Dermatology</i> , 1997 , 108, 188-94	4.3	56
131	Instability of rRNA operons in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1988 , 170, 605-10	3.5	55
130	Phylogenomic analyses data of the avian phylogenomics project. <i>GigaScience</i> , 2015 , 4, 4	7.6	54
129	Dopamine regulation of human speech and bird song: a critical review. <i>Brain and Language</i> , 2012 , 122, 142-50	2.9	53
128	Progressive Cactus is a multiple-genome aligner for the thousand-genome era. <i>Nature</i> , 2020 , 587, 246-251	50.4	53
127	Convergent differential regulation of SLIT-ROBO axon guidance genes in the brains of vocal learners. <i>Journal of Comparative Neurology</i> , 2015 , 523, 892-906	3.4	52

126	Evidence for GC-biased gene conversion as a driver of between-lineage differences in avian base composition. <i>Genome Biology</i> , 2014 , 15, 549	18.3	52
125	Reconstruction of gross avian genome structure, organization and evolution suggests that the chicken lineage most closely resembles the dinosaur avian ancestor. <i>BMC Genomics</i> , 2014 , 15, 1060	4.5	52
124	Mammalian genes induce partially reprogrammed pluripotent stem cells in non-mammalian vertebrate and invertebrate species. <i>ELife</i> , 2013 , 2, e00036	8.9	52
123	Brain gene regulation by territorial singing behavior in freely ranging songbirds. <i>NeuroReport</i> , 1997 , 8, 2073-7	1.7	51
122	Two Antarctic penguin genomes reveal insights into their evolutionary history and molecular changes related to the Antarctic environment. <i>GigaScience</i> , 2014 , 3, 27	7.6	50
121	Selective expression of insulin-like growth factor II in the songbird brain. <i>Journal of Neuroscience</i> , 1997 , 17, 6974-87	6.6	50
120	Olfactory Receptor Subgenomes Linked with Broad Ecological Adaptations in Sauropsida. <i>Molecular Biology and Evolution</i> , 2015 , 32, 2832-43	8.3	47
119	Rudimentary substrates for vocal learning in a suboscine. <i>Nature Communications</i> , 2013 , 4, 2082	17.4	46
118	Night-time neuronal activation of Cluster N in a day- and night-migrating songbird. <i>European Journal of Neuroscience</i> , 2010 , 32, 619-24	3.5	44
117	Low frequency of paleoviral infiltration across the avian phylogeny. <i>Genome Biology</i> , 2014 , 15, 539	18.3	43
116	The <i>dusp1</i> immediate early gene is regulated by natural stimuli predominantly in sensory input neurons. <i>Journal of Comparative Neurology</i> , 2010 , 518, 2873-901	3.4	43
115	Profiling of experience-regulated proteins in the songbird auditory forebrain using quantitative proteomics. <i>European Journal of Neuroscience</i> , 2008 , 27, 1409-22	3.5	42
114	Early onset of deafening-induced song deterioration and differential requirements of the pallial-basal ganglia vocal pathway. <i>European Journal of Neuroscience</i> , 2008 , 28, 2519-32	3.5	42
113	Core and Shell Song Systems Unique to the Parrot Brain. <i>PLoS ONE</i> , 2015 , 10, e0118496	3.7	39
112	Avian genomes. A flock of genomes. Introduction. <i>Science</i> , 2014 , 346, 1308-9	33.3	39
111	Novel Insights into Chromosome Evolution in Birds, Archosaurs, and Reptiles. <i>Genome Biology and Evolution</i> , 2016 , 8, 2442-51	3.9	38
110	The pallial basal ganglia pathway modulates the behaviorally driven gene expression of the motor pathway. <i>European Journal of Neuroscience</i> , 2007 , 25, 2145-60	3.5	38
109	Towards complete and error-free genome assemblies of all vertebrate species		38

108	Response to Comment on "Whole-genome analyses resolve early branches in the tree of life of modern birds". <i>Science</i> , 2015 , 349, 1460	33.3	37
107	Gene loss, adaptive evolution and the co-evolution of plumage coloration genes with opsins in birds. <i>BMC Genomics</i> , 2015 , 16, 751	4.5	37
106	Basal ganglia function, stuttering, sequencing, and repair in adult songbirds. <i>Scientific Reports</i> , 2014 , 4, 6590	4.9	37
105	Convergent differential regulation of parvalbumin in the brains of vocal learners. <i>PLoS ONE</i> , 2012 , 7, e29457	3.7	36
104	Obtaining mtDNA genomes from next-generation transcriptome sequencing: a case study on the basal Passerida (Aves: Passeriformes) phylogeny. <i>Molecular Phylogenetics and Evolution</i> , 2010 , 57, 466-70	4.1	36
103	Perspectives from the Avian Phylogenomics Project: Questions that Can Be Answered with Sequencing All Genomes of a Vertebrate Class. <i>Annual Review of Animal Biosciences</i> , 2016 , 4, 45-59	13.7	34
102	Parrot Genomes and the Evolution of Heightened Longevity and Cognition. <i>Current Biology</i> , 2018 , 28, 4001-4008.e7	6.3	33
101	Specialized motor-driven <i>dusp1</i> expression in the song systems of multiple lineages of vocal learning birds. <i>PLoS ONE</i> , 2012 , 7, e42173	3.7	32
100	The Avian Brain Nomenclature Forum: Terminology for a New Century in Comparative Neuroanatomy. <i>Journal of Comparative Neurology</i> , 2004 , 473, E1-E6	3.4	32
99	Brains and birdsong 2004 , 226-271		31
98	Mapping of rRNA genes with integrable plasmids in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1986 , 165, 204-14	3.5	29
97	Platypus and echidna genomes reveal mammalian biology and evolution. <i>Nature</i> , 2021 , 592, 756-762	50.4	28
96	Comparative genomics reveals molecular features unique to the songbird lineage. <i>BMC Genomics</i> , 2014 , 15, 1082	4.5	27
95	Universal nomenclature for oxytocin-vasotocin ligand and receptor families. <i>Nature</i> , 2021 , 592, 747-755	50.4	27
94	A spatially resolved brain region- and cell type-specific isoform atlas of the postnatal mouse brain. <i>Nature Communications</i> , 2021 , 12, 463	17.4	27
93	Tempo and Pattern of Avian Brain Size Evolution. <i>Current Biology</i> , 2020 , 30, 2026-2036.e3	6.3	26
92	NSF workshop report: discovering general principles of nervous system organization by comparing brain maps across species. <i>Journal of Comparative Neurology</i> , 2014 , 522, 1445-53	3.4	26
91	A hypothesis on a role of oxytocin in the social mechanisms of speech and vocal learning. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	26

90	Isolation of song-regulated genes in the brain of songbirds. <i>Methods in Molecular Biology</i> , 1997 , 85, 205-174	26
89	Analysis of the mouse transcriptome for genes involved in the function of the nervous system. <i>Genome Research</i> , 2003 , 13, 1395-401	9.7 26
88	The 70-kDa heat shock cognate protein (Hsc73) gene is enhanced by ovarian hormones in the ventromedial hypothalamus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 1686-91	11.5 26
87	Microproteomics: quantitative proteomic profiling of small numbers of laser-captured cells. <i>Cold Spring Harbor Protocols</i> , 2011 , 2011, pdb.prot5573	1.2 24
86	A framework for integrating the songbird brain. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2002 , 188, 961-80	2.3 24
85	Avianbase: a community resource for bird genomics. <i>Genome Biology</i> , 2015 , 16, 21	18.3 22
84	Empowering 21st Century Biology. <i>BioScience</i> , 2010 , 60, 923-930	5.7 19
83	A flock of genomes. <i>Science</i> , 2014 , 346, 1308-1309	33.3 19
82	Complete vertebrate mitogenomes reveal widespread repeats and gene duplications. <i>Genome Biology</i> , 2021 , 22, 120	18.3 19
81	Evolutionary genomics and adaptive evolution of the Hedgehog gene family (Shh, Ihh and Dhh) in vertebrates. <i>PLoS ONE</i> , 2014 , 9, e74132	3.7 18
80	A draft genome sequence of the elusive giant squid, <i>Architeuthis dux</i> . <i>GigaScience</i> , 2020 , 9,	7.6 17
79	Divergence in problem-solving skills is associated with differential expression of glutamate receptors in wild finches. <i>Science Advances</i> , 2018 , 4, eaao6369	14.3 16
78	Genomic resources for the endangered Hawaiian honeycreepers. <i>BMC Genomics</i> , 2014 , 15, 1098	4.5 16
77	Extended haplotype-phasing of long-read de novo genome assemblies using Hi-C. <i>Nature Communications</i> , 2021 , 12, 1935	17.4 16
76	Whole-Genome Identification, Phylogeny, and Evolution of the Cytochrome P450 Family 2 (CYP2) Subfamilies in Birds. <i>Genome Biology and Evolution</i> , 2016 , 8, 1115-31	3.9 15
75	The Earth BioGenome Project 2020: Starting the clock.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5 15
74	Progressive alignment with Cactus: a multiple-genome aligner for the thousand-genome era	15
73	Reference genome and demographic history of the most endangered marine mammal, the vaquita. <i>Molecular Ecology Resources</i> , 2021 , 21, 1008-1020	8.4 15

72	Population genomics of the critically endangered kestrel. <i>Cell Genomics</i> , 2021 , 100002		15
71	Identification and characterization of primordial germ cells in a vocal learning Neaves species, the zebra finch. <i>FASEB Journal</i> , 2019 , 33, 13825-13836	0.9	14
70	Assessing visual requirements for social context-dependent activation of the songbird song system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 279-89	4.4	14
69	Radioactive in situ hybridization for detecting diverse gene expression patterns in tissue. <i>Journal of Visualized Experiments</i> , 2012 ,	1.6	14
68	Classification and genetic characterization of pattern-forming Bacilli. <i>Molecular Microbiology</i> , 1998 , 27, 687-703	4.1	13
67	Eliciting and Analyzing Male Mouse Ultrasonic Vocalization (USV) Songs. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	12
66	VOCALIZATIONS AND ASSOCIATED BEHAVIORS OF THE SOMBRE HUMMINGBIRD (APHANTOCHROA CIRRHOCHELOS) AND THE RUFOUS-BREASTED HERMIT (GLAUCIS HIRSUTUS). <i>Auk</i> , 2006 , 123, 1129-1148	2.1	12
65	Different mechanisms are responsible for dishabituation of electrophysiological auditory responses to a change in acoustic identity than to a change in stimulus location. <i>Neurobiology of Learning and Memory</i> , 2013 , 106, 163-76	3.1	11
64	Axon guidance pathways served as common targets for human speech/language evolution and related disorders. <i>Brain and Language</i> , 2017 , 174, 1-8	2.9	11
63	Identification of dopamine receptors across the extant avian family tree and analysis with other clades uncovers a polyploid expansion among vertebrates. <i>Frontiers in Neuroscience</i> , 2015 , 9, 361	5.1	10
62	A refined model of the genomic basis for phenotypic variation in vertebrate hemostasis. <i>BMC Evolutionary Biology</i> , 2015 , 15, 124	3	10
61	Maintenance and neuronal differentiation of chicken induced pluripotent stem-like cells. <i>Stem Cells International</i> , 2014 , 2014, 182737	5	10
60	Evolutionary and biomedical insights from a marmoset diploid genome assembly. <i>Nature</i> , 2021 , 594, 227-233	50.4	10
59	Merfin: improved variant filtering and polishing via k-mer validation		10
58	The Vertebrate TLR Supergene Family Evolved Dynamically by Gene Gain/Loss and Positive Selection Revealing a Host-Pathogen Arms Race in Birds. <i>Diversity</i> , 2019 , 11, 131	2.5	9
57	A new duck genome reveals conserved and convergently evolved chromosome architectures of birds and mammals. <i>GigaScience</i> , 2021 , 10,	7.6	9
56	A new emu genome illuminates the evolution of genome configuration and nuclear architecture of avian chromosomes. <i>Genome Research</i> , 2021 , 31, 497-511	9.7	9
55	Influence of network topology and data collection on network inference. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2003 , 164-75	1.3	9

54	Overexpression of human NR2B receptor subunit in LMAN causes stuttering and song sequence changes in adult zebra finches. <i>Scientific Reports</i> , 2017 , 7, 942	4.9	8
53	The era of reference genomes in conservation genomics.. <i>Trends in Ecology and Evolution</i> , 2022 ,	10.9	8
52	Interspecies avian brain chimeras reveal that large brain size differences are influenced by cell-interdependent processes. <i>PLoS ONE</i> , 2012 , 7, e42477	3.7	8
51	De Novo PacBio long-read and phased avian genome assemblies correct and add to genes important in neuroscience research		8
50	Six new reference-quality bat genomes illuminate the molecular basis and evolution of bat adaptations		8
49	Birdsong Learning and Culture: Analogies with Human Spoken Language. <i>Annual Review of Linguistics</i> , 2021 , 7, 449-472	3.7	7
48	The Human Pangenome Project: a global resource to map genomic diversity.. <i>Nature</i> , 2022 , 604, 437-446	50.4	7
47	Avian Binocularity and Adaptation to Nocturnal Environments: Genomic Insights from a Highly Derived Visual Phenotype. <i>Genome Biology and Evolution</i> , 2019 , 11, 2244-2255	3.9	6
46	Vocalizations and Associated Behaviors of the Sombre Hummingbird (<i>Aphantochroa Cirrhochloris</i>) and the Rufous-Breasted Hermit (<i>Glaucis Hirsutus</i>). <i>Auk</i> , 2006 , 123, 1129-1148	2.1	6
45	Determinations of restriction fragment length polymorphism in bacteria using ribosomal RNA genes. <i>Methods in Enzymology</i> , 1994 , 235, 184-96	1.7	6
44	Why sequence all eukaryotes?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	6
43	Balanced imitation sustains song culture in zebra finches. <i>Nature Communications</i> , 2021 , 12, 2562	17.4	6
42	Complete vertebrate mitogenomes reveal widespread gene duplications and repeats		5
41	The genome sequence of the brown trout, Linnaeus 1758. <i>Wellcome Open Research</i> , 2021 , 6, 108	4.8	5
40	Bone-associated gene evolution and the origin of flight in birds. <i>BMC Genomics</i> , 2016 , 17, 371	4.5	5
39	Adaptive Radiation Genomics of Two Ecologically Divergent Hawai'ian Honeycreepers: The 'akiapūāu and the Hawai'i amakihi. <i>Journal of Heredity</i> , 2020 , 111, 21-32	2.4	4
38	Transsynaptic Tracing from Peripheral Targets with Pseudorabies Virus Followed by Cholera Toxin and Biotinylated Dextran Amines Double Labeling. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	4
37	The basal ganglia within a cognitive system in birds and mammals. <i>Behavioral and Brain Sciences</i> , 2014 , 37, 568-9; discussion 577-604	0.9	4

36	The structure of the trpE, trpD and 5' trpC genes of <i>Bacillus pumilus</i> . <i>Gene</i> , 1990 , 87, 71-8	3.8	4
35	Standards recommendations for the Earth BioGenome Project.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	4
34	Building genomic infrastructure: Sequencing platinum-standard reference-quality genomes of all cetacean species. <i>Marine Mammal Science</i> , 2020 , 36, 1356-1366	1.9	4
33	Controlling for activity-dependent genes and behavioral states is critical for determining brain relationships within and across species. <i>Journal of Comparative Neurology</i> , 2021 , 529, 3206-3221	3.4	4
32	As above, so below: Whole transcriptome profiling demonstrates strong molecular similarities between avian dorsal and ventral pallial subdivisions. <i>Journal of Comparative Neurology</i> , 2021 , 529, 3222-3246	3.4	4
31	Molecular Profiling Reveals Insight into Avian Brain Organization and Functional Columnar Commonalities with Mammals. <i>Diversity and Commonality in Animals</i> , 2017 , 273-289		3
30	Surviving as an underrepresented minority scientist in a majority environment. <i>Molecular Biology of the Cell</i> , 2015 , 26, 3692-6	3.5	3
29	False gene and chromosome losses affected by assembly and sequence errors		3
28	Variation in predicted COVID-19 risk among lemurs and lorises. <i>American Journal of Primatology</i> , 2021 , 83, e23255	2.5	3
27	Widespread false gene gains caused by duplication errors in genome assemblies		3
26	The role of sex chromosomes and sex hormones in vocal learning systems. <i>Hormones and Behavior</i> , 2021 , 132, 104978	3.7	3
25	Merfin: improved variant filtering, assembly evaluation and polishing via k-mer validation.. <i>Nature Methods</i> , 2022 ,	21.6	3
24	Automated assembly of high-quality diploid human reference genomes		3
23	Haplotype-resolved assembly of diploid genomes without parental data.. <i>Nature Biotechnology</i> , 2022 ,	44.5	3
22	Bayesian Semiparametric Mixed Effects Markov Models With Application to Vocalization Syntax. <i>Journal of the American Statistical Association</i> , 2018 , 113, 1515-1527	2.8	2
21	Darwinian genomics and diversity in the tree of life.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	2
20	Three amphioxus reference genomes reveal gene and chromosome evolution of chordates		2
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