

Erich D Jarvis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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
196	The era of reference genomes in conservation genomics.. <i>Trends in Ecology and Evolution</i> , 2022 ,	10.9	8
195	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
194	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
193	Why sequence all eukaryotes?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	6
192	A high-quality, long-read genome assembly of the endangered ring-tailed lemur (<i>Lemur catta</i>).. <i>GigaScience</i> , 2022 , 11,	7.6	1
191	Merfin: improved variant filtering, assembly evaluation and polishing via k-mer validation.. <i>Nature Methods</i> , 2022 ,	21.6	3
190	Induction of an immortalized songbird cell line allows for gene characterization and knockout by CRISPR-Cas9.. <i>Scientific Reports</i> , 2022 , 12, 4369	4.9	0
189	Haplotype-resolved assembly of diploid genomes without parental data.. <i>Nature Biotechnology</i> , 2022 ,	44.5	3
188	The complete sequence of a human genome.. <i>Science</i> , 2022 , 376, 44-53	33.3	107
187	The Human Pangenome Project: a global resource to map genomic diversity.. <i>Nature</i> , 2022 , 604, 437-446	50.4	7
186	Oxytocin and vasotocin receptor variation and the evolution of human prosociality. <i>Comprehensive Psychoneuroendocrinology</i> , 2022 , 11, 100139	1.1	0
185	Oxytocin variation and brain region-specific gene expression in a domesticated avian species. <i>Genes, Brain and Behavior</i> , 2021 , e12780	3.6	0
184	Positive selection in noncoding genomic regions of vocal learning birds is associated with genes implicated in vocal learning and speech functions in humans. <i>Genome Research</i> , 2021 , 31, 2035-2049	9.7	1
183	At the beginning of speciation. <i>Science</i> , 2021 , 371, 1312	33.3	0
182	Estrogen and sex-dependent loss of the vocal learning system in female zebra finches. <i>Hormones and Behavior</i> , 2021 , 129, 104911	3.7	2
181	Evolutionary and biomedical insights from a marmoset diploid genome assembly. <i>Nature</i> , 2021 , 594, 227-233	50.4	10

180	Extended haplotype-phasing of long-read de novo genome assemblies using Hi-C. <i>Nature Communications</i> , 2021 , 12, 1935	17.4	16
179	Universal nomenclature for oxytocin-vasotocin ligand and receptor families. <i>Nature</i> , 2021 , 592, 747-755	50.4	27
178	Variation in predicted COVID-19 risk among lemurs and lorises. <i>American Journal of Primatology</i> , 2021 , 83, e23255	2.5	3
177	Complete vertebrate mitogenomes reveal widespread repeats and gene duplications. <i>Genome Biology</i> , 2021 , 22, 120	18.3	19
176	Towards complete and error-free genome assemblies of all vertebrate species. <i>Nature</i> , 2021 , 592, 737-746	46.4	161
175	Balanced imitation sustains song culture in zebra finches. <i>Nature Communications</i> , 2021 , 12, 2562	17.4	6
174	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
173	The genome sequence of the brown trout, Linnaeus 1758. <i>Wellcome Open Research</i> , 2021 , 6, 108	4.8	5
172	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	34.4	4
171	The role of sex chromosomes and sex hormones in vocal learning systems. <i>Hormones and Behavior</i> , 2021 , 132, 104978	3.7	3
170	Hi-C scaffolded short- and long-read genome assemblies of the California sea lion are broadly consistent for syntenic inference across 45 million years of evolution. <i>Molecular Ecology Resources</i> , 2021 , 21, 2455-2470	8.4	1
169	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
168	Birdsong Learning and Culture: Analogies with Human Spoken Language. <i>Annual Review of Linguistics</i> , 2021 , 7, 449-472	3.7	7
167	A new duck genome reveals conserved and convergently evolved chromosome architectures of birds and mammals. <i>GigaScience</i> , 2021 , 10,	7.6	9
166	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
165	Population genomics of the critically endangered kakapo. <i>Cell Genomics</i> , 2021 , 100002		15
164	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
163	Platypus and echidna genomes reveal mammalian biology and evolution. <i>Nature</i> , 2021 , 592, 756-762	50.4	28

162	A Relationship between the Characteristics of the Oval Nucleus of the Mesopallium and Parrot Vocal Response to Playback. <i>Brain, Behavior and Evolution</i> , 2021 , 96, 37-48	1.5	0
161	A high-quality genome and comparison of short- versus long-read transcriptome of the palaeartic duck <i>Aythya fuligula</i> (tufted duck).. <i>GigaScience</i> , 2021 , 10,	7.6	1
160	Tempo and Pattern of Avian Brain Size Evolution. <i>Current Biology</i> , 2020 , 30, 2026-2036.e3	6.3	26
159	A draft genome sequence of the elusive giant squid, <i>Architeuthis dux</i> . <i>GigaScience</i> , 2020 , 9,	7.6	17
158	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
157	Six reference-quality genomes reveal evolution of bat adaptations. <i>Nature</i> , 2020 , 583, 578-584	50.4	73
156	Progressive Cactus is a multiple-genome aligner for the thousand-genome era. <i>Nature</i> , 2020 , 587, 246-251.	50.4	53
155	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , 2020 , 587, 252-257	50.4	89
154	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
153	Evolution of vocal learning and spoken language. <i>Science</i> , 2019 , 366, 50-54	33.3	78
152	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
151	Identification and characterization of primordial germ cells in a vocal learning Neoaves species, the zebra finch. <i>FASEB Journal</i> , 2019 , 33, 13825-13836	0.9	14
150	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
149	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
148	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
147	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
146	Parrot Genomes and the Evolution of Heightened Longevity and Cognition. <i>Current Biology</i> , 2018 , 28, 4001-4008.e7	6.3	33
145	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

144	341. Dissecting the Molecular Mechanisms of Vocal Learning and Spoken Language. <i>Biological Psychiatry</i> , 2017 , 81, S140	7.9	
143	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
142	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
141	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
140	Eliciting and Analyzing Male Mouse Ultrasonic Vocalization (USV) Songs. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	12
139	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
138	Novel Insights into Chromosome Evolution in Birds, Archosaurs, and Reptiles. <i>Genome Biology and Evolution</i> , 2016 , 8, 2442-51	3.9	38
137	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
136	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
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	Bone-associated gene evolution and the origin of flight in birds. <i>BMC Genomics</i> , 2016 , 17, 371	4.5	5
133	Avianbase: a community resource for bird genomics. <i>Genome Biology</i> , 2015 , 16, 21	18.3	22
132	Olfactory Receptor Subgenomes Linked with Broad Ecological Adaptations in Sauropsida. <i>Molecular Biology and Evolution</i> , 2015 , 32, 2832-43	8.3	47
131	Phylogenomic analyses data of the avian phylogenomics project. <i>GigaScience</i> , 2015 , 4, 4	7.6	54
130	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
129	Surviving as an underrepresented minority scientist in a majority environment. <i>Molecular Biology of the Cell</i> , 2015 , 26, 3692-6	3.5	3
128	The Origin and Diversification of Birds. <i>Current Biology</i> , 2015 , 25, R888-98	6.3	124
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	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
125	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
124	Male mice song syntax depends on social contexts and influences female preferences. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 76	3.5	109
123	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
122	Core and Shell Song Systems Unique to the Parrot Brain. <i>PLoS ONE</i> , 2015 , 10, e0118496	3.7	39
121	Genomics: Bird sequencing project takes off. <i>Nature</i> , 2015 , 522, 34	50.4	97
120	A refined model of the genomic basis for phenotypic variation in vertebrate hemostasis. <i>BMC Evolutionary Biology</i> , 2015 , 15, 124	3	10
119	Brain evolution by brain pathway duplication. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	68
118	Listening in. <i>ELife</i> , 2015 , 4, e11665	8.9	
117	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
116	High-coverage sequencing and annotated assemblies of the budgerigar genome. <i>GigaScience</i> , 2014 , 3, 11	7.6	67
115	Basal ganglia function, stuttering, sequencing, and repair in adult songbirds. <i>Scientific Reports</i> , 2014 , 4, 6590	4.9	37
114	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
113	Dynamic evolution of the alpha (H) and beta (H) keratins has accompanied integument diversification and the adaptation of birds into novel lifestyles. <i>BMC Evolutionary Biology</i> , 2014 , 14, 249	3	66
112	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
111	Low frequency of paleoviral infiltration across the avian phylogeny. <i>Genome Biology</i> , 2014 , 15, 539	18.3	43
110	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
109	Convergent transcriptional specializations in the brains of humans and song-learning birds. <i>Science</i> , 2014 , 346, 1256846	33.3	283

108	Three crocodylian genomes reveal ancestral patterns of evolution among archosaurs. <i>Science</i> , 2014 , 346, 1254449	33.3	231
107	Evidence for a single loss of mineralized teeth in the common avian ancestor. <i>Science</i> , 2014 , 346, 1254390	33.3	74
106	Whole-genome analyses resolve early branches in the tree of life of modern birds. <i>Science</i> , 2014 , 346, 1320-31	33.3	1182
105	Avian genomes. A flock of genomes. Introduction. <i>Science</i> , 2014 , 346, 1308-9	33.3	39
104	Complex evolutionary trajectories of sex chromosomes across bird taxa. <i>Science</i> , 2014 , 346, 1246338	33.3	184
103	Comparative genomics reveals insights into avian genome evolution and adaptation. <i>Science</i> , 2014 , 346, 1311-20	33.3	628
102	Core and region-enriched networks of behaviorally regulated genes and the singing genome. <i>Science</i> , 2014 , 346, 1256780	33.3	81
101	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
100	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
99	Comparative genomics reveals molecular features unique to the songbird lineage. <i>BMC Genomics</i> , 2014 , 15, 1082	4.5	27
98	Genomic resources for the endangered Hawaiian honeycreepers. <i>BMC Genomics</i> , 2014 , 15, 1098	4.5	16
97	Comparative genomic data of the Avian Phylogenomics Project. <i>GigaScience</i> , 2014 , 3, 26	7.6	91
96	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
95	Maintenance and neuronal differentiation of chicken induced pluripotent stem-like cells. <i>Stem Cells International</i> , 2014 , 2014, 182737	5	10
94	A flock of genomes. <i>Science</i> , 2014 , 346, 1308-1309	33.3	19
93	Rudimentary substrates for vocal learning in a suboscine. <i>Nature Communications</i> , 2013 , 4, 2082	17.4	46
92	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
91	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

90	Assemblathon 2: evaluating de novo methods of genome assembly in three vertebrate species. <i>GigaScience</i> , 2013 , 2, 10	7.6	461
89	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
88	The genomic consequences of adaptive divergence and reproductive isolation between species of manakins. <i>Molecular Ecology</i> , 2013 , 22, 3304-17	5.7	83
87	Mouse vocal communication system: are ultrasounds learned or innate?. <i>Brain and Language</i> , 2013 , 124, 96-116	2.9	163
86	Detecting Neural Activity-Dependent Immediate Early Gene Expression in the Brain 2013 , 133-149		1
85	Global view of the functional molecular organization of the avian cerebrum: mirror images and functional columns. <i>Journal of Comparative Neurology</i> , 2013 , 521, Spc1-Spc1	3.4	1
84	Mammalian genes induce partially reprogrammed pluripotent stem cells in non-mammalian vertebrate and invertebrate species. <i>ELife</i> , 2013 , 2, e00036	8.9	52
83	Dopamine regulation of human speech and bird song: a critical review. <i>Brain and Language</i> , 2012 , 122, 142-50	2.9	53
82	Birds, primates, and spoken language origins: behavioral phenotypes and neurobiological substrates. <i>Frontiers in Evolutionary Neuroscience</i> , 2012 , 4, 12		248
81	Convergent differential regulation of parvalbumin in the brains of vocal learners. <i>PLoS ONE</i> , 2012 , 7, e29457	3.7	36
80	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
79	Hybrid error correction and de novo assembly of single-molecule sequencing reads. <i>Nature Biotechnology</i> , 2012 , 30, 693-700	44.5	75 ⁸
78	Radioactive in situ hybridization for detecting diverse gene expression patterns in tissue. <i>Journal of Visualized Experiments</i> , 2012 ,	1.6	14
77	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
76	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
75	Dynamic evolution of base composition: causes and consequences in avian phylogenomics. <i>Molecular Biology and Evolution</i> , 2011 , 28, 2197-210	8.3	71
74	Microproteomics: quantitative proteomic profiling of small numbers of laser-captured cells. <i>Cold Spring Harbor Protocols</i> , 2011 , 2011, pdb.prot5573	1.2	24
73	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

72	The genome of a songbird. <i>Nature</i> , 2010 , 464, 757-62	50.4	655
71	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
70	Empowering 21st Century Biology. <i>BioScience</i> , 2010 , 60, 923-930	5.7	19
69	Dopamine receptors in a songbird brain. <i>Journal of Comparative Neurology</i> , 2010 , 518, 741-69	3.4	100
68	Dopamine Receptors in a Songbird Brain. <i>Journal of Comparative Neurology</i> , 2010 , 518, spc1-spc1	3.4	
67	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
66	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
65	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
64	Behaviorally Regulated mRNA and Protein Expression in the Songbird Brain. <i>Frontiers in Neuroscience</i> , 2009 , 239-261		
63	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
62	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
61	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
60	Lateralized activation of Cluster N in the brains of migratory songbirds. <i>European Journal of Neuroscience</i> , 2007 , 25, 1166-73	3.5	60
59	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
58	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
57	Neural systems for vocal learning in birds and humans: a synopsis. <i>Journal Fur Ornithologie</i> , 2007 , 148, 35-44		70
56	Computational inference of neural information flow networks. <i>PLoS Computational Biology</i> , 2006 , 2, e161	5	101
55	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

54	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
53	Social context-dependent singing-regulated dopamine. <i>Journal of Neuroscience</i> , 2006 , 26, 9010-4	6.6	151
52	Selection for and against vocal learning in birds and mammals. <i>Ornithological Science</i> , 2006 , 5, 5-14	0.7	90
51	Vocalizations and Associated Behaviors of the Sombre Hummingbird (<i>Aphantochroa cirrhochloris</i>) and the Rufous-Breasted Hermit (<i>Glaucis hirsutus</i>) (Vocalizaciones y Comportamientos Asociados de <i>Aphantochroa cirrhochloris</i> y <i>Glaucis hirsutus</i>). <i>Auk</i> , 2006 , 123, 1129-1148	2.1	1
50	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
49	Avian brains and a new understanding of vertebrate brain evolution. <i>Nature Reviews Neuroscience</i> , 2005 , 6, 151-9	13.5	810
48	Rapid behavioral and genomic responses to social opportunity. <i>PLoS Biology</i> , 2005 , 3, e363	9.7	206
47	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
46	Advances to Bayesian network inference for generating causal networks from observational biological data. <i>Bioinformatics</i> , 2004 , 20, 3594-603	7.2	472
45	FoxP2 expression in avian vocal learners and non-learners. <i>Journal of Neuroscience</i> , 2004 , 24, 3164-75	6.6	318
44	Songbirds and the revised avian brain nomenclature. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1016, 77-108	6.5	132
43	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
42	Revised nomenclature for avian telencephalon and some related brainstem nuclei. <i>Journal of Comparative Neurology</i> , 2004 , 473, 377-414	3.4	928
41	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
40	Brains and birdsong 2004 , 226-271		31
39	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
38	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
37	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

36	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
35	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
34	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
33	Evaluating functional network inference using simulations of complex biological systems. <i>Bioinformatics</i> , 2002 , 18 Suppl 1, S216-24	7.2	93
32	Molecular mapping of brain areas involved in parrot vocal communication. <i>Journal of Comparative Neurology</i> , 2000 , 419, 1-31	3.4	130
31	Behaviourally driven gene expression reveals song nuclei in hummingbird brain. <i>Nature</i> , 2000 , 406, 628-32	30.4	245
30	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
29	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
28	Site-specific retinoic acid production in the brain of adult songbirds. <i>Neuron</i> , 2000 , 27, 359-70	13.9	86
27	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
26	Response to Matsuyama and Matsushita's MicroCorrespondence regarding our paper "Classification and genetic characterization of pattern-forming Bacilli" <i>Mol Microbiol</i> (1998) 27: 687-703. <i>Molecular Microbiology</i> , 1999 , 31, 1279-1281	4.1	
25	Chapter 2.2.2 Applying differential display to brain research. <i>Handbook of Behavioral Neuroscience</i> , 1999 , 13, 200-211		
24	Classification and genetic characterization of pattern-forming Bacilli. <i>Molecular Microbiology</i> , 1998 , 27, 687-703	4.1	13
23	For whom the bird sings: context-dependent gene expression. <i>Neuron</i> , 1998 , 21, 775-88	13.9	379
22	Isolation of song-regulated genes in the brain of songbirds. <i>Methods in Molecular Biology</i> , 1997 , 85, 205-17	17.4	26
21	Brain gene regulation by territorial singing behavior in freely ranging songbirds. <i>NeuroReport</i> , 1997 , 8, 2073-7	1.7	51
20	Selective expression of insulin-like growth factor II in the songbird brain. <i>Journal of Neuroscience</i> , 1997 , 17, 6974-87	6.6	50
19	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

18	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
17	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
16	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
15	Determinations of restriction fragment length polymorphism in bacteria using ribosomal RNA genes. <i>Methods in Enzymology</i> , 1994 , 235, 184-96	1.7	6
14	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
13	Instability of rRNA operons in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1988 , 170, 605-10	3.5	55
12	Mapping of rRNA genes with integrable plasmids in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1986 , 165, 204-14	3.5	29
11	Three amphioxus reference genomes reveal gene and chromosome evolution of chordates		2
10	De Novo PacBio long-read and phased avian genome assemblies correct and add to genes important in neuroscience research		8
9	Towards complete and error-free genome assemblies of all vertebrate species		38
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