

David M Irwin

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/541490/david-m-irwin-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

232
papers

6,911
citations

38
h-index

76
g-index

242
ext. papers

8,303
ext. citations

6.7
avg, IF

5.95
L-index

#	Paper	IF	Citations
232	Hen raising helps chicks establish gut microbiota in their early life and improve microbiota stability after H9N2 challenge.. <i>Microbiome</i> , 2022 , 10, 14	16.6	0
231	Adaptive Evolution of the Fox Coronavirus Based on Genome-Wide Sequence Analysis.. <i>BioMed Research International</i> , 2022 , 2022, 9627961	3	
230	Single-cell RNA-sequencing Reveals Thoracolumbar Vertebra Heterogeneity and Rib-genesis in Pigs. <i>Genomics, Proteomics and Bioinformatics</i> , 2021 , 19, 423-423	6.5	1
229	A new canine distemper virus lineage identified from red pandas in China. <i>Transboundary and Emerging Diseases</i> , 2021 ,	4.2	2
228	Evolution of the Insulin Gene: Changes in Gene Number, Sequence, and Processing. <i>Frontiers in Endocrinology</i> , 2021 , 12, 649255	5.7	2
227	Base Composition and Host Adaptation of the SARS-CoV-2: Insight From the Codon Usage Perspective. <i>Frontiers in Microbiology</i> , 2021 , 12, 548275	5.7	8
226	Pathogenicity and transmissibility of a novel respirovirus isolated from a Malayan pangolin. <i>Journal of General Virology</i> , 2021 , 102,	4.9	2
225	Diverse phylogenomic datasets uncover a concordant scenario of laurasiatherian interordinal relationships. <i>Molecular Phylogenetics and Evolution</i> , 2021 , 157, 107065	4.1	2
224	Covariation of the Fecal Microbiome with Diet in Nonpasserine Birds. <i>MSphere</i> , 2021 , 6,	5	8
223	Pooled Sequencing Analysis of Geese () Reveals Genomic Variations Associated With Feather Color. <i>Frontiers in Genetics</i> , 2021 , 12, 650013	4.5	1
222	Host Adaptive Evolution of Avian-Origin H3N2 Canine Influenza Virus. <i>Frontiers in Microbiology</i> , 2021 , 12, 655228	5.7	3
221	Whole Genome Sequencing Reveals Signatures for Artificial Selection for Different Sizes in Japanese Primitive Dog Breeds. <i>Frontiers in Genetics</i> , 2021 , 12, 671686	4.5	1
220	Variation in the Evolution and Sequences of Proglucagon and the Receptors for Proglucagon-Derived Peptides in Mammals. <i>Frontiers in Endocrinology</i> , 2021 , 12, 700066	5.7	1
219	Evolution of the mammalian insulin (Ins) gene; Changes in proteolytic processing. <i>Peptides</i> , 2021 , 135, 170435	3.8	3
218	Differences in the gut microbiomes of dogs and wolves: roles of antibiotics and starch. <i>BMC Veterinary Research</i> , 2021 , 17, 112	2.7	2
217	Comparative study of gut microbiota from captive and confiscated-rescued wild pangolins. <i>Journal of Genetics and Genomics</i> , 2021 , 48, 825-835	4	3
216	Mucosal Microbiota and Metabolome in the Ileum of Hu Sheep Offered a Low-Grain, Pelleted or Non-pelleted High-Grain Diet. <i>Frontiers in Microbiology</i> , 2021 , 12, 718884	5.7	1

215	Evolutionary perspectives and adaptation dynamics of human seasonal influenza viruses from 2009 to 2019: An insight from codon usage. <i>Infection, Genetics and Evolution</i> , 2021 , 96, 105067	4.5	1
214	A New World Monkey Resembles Human in Bitter Taste Receptor Evolution and Function via a Single Parallel Amino Acid Substitution. <i>Molecular Biology and Evolution</i> , 2021 , 38, 5472-5479	8.3	0
213	Decoding the RNA viromes in rodent lungs provides new insight into the origin and evolutionary patterns of rodent-borne pathogens in Mainland Southeast Asia. <i>Microbiome</i> , 2021 , 9, 18	16.6	12
212	Identification of Candidate Circular RNAs Underlying Intramuscular Fat Content in the Donkey. <i>Frontiers in Genetics</i> , 2020 , 11, 587559	4.5	3
211	Genome and single-cell RNA-sequencing of the earthworm <i>Eisenia andrei</i> identifies cellular mechanisms underlying regeneration. <i>Nature Communications</i> , 2020 , 11, 2656	17.4	16
210	Emergence of SARS-like coronavirus poses new challenge in China. <i>Journal of Infection</i> , 2020 , 80, 350-371	18.9	43
209	Evolution and transition of expression trajectory during human brain development. <i>BMC Evolutionary Biology</i> , 2020 , 20, 72	3	3
208	Accelerated Evolution of Limb-Related Gene in the Common Ancestor of Cetaceans and Ruminants (Cetruminantia). <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 515-524	3.2	1
207	Genetic Diversity, Inbreeding Level, and Genetic Load in Endangered Snub-Nosed Monkeys (). <i>Frontiers in Genetics</i> , 2020 , 11, 615926	4.5	5
206	The fit of codon usage of human-isolated avian influenza A viruses to human. <i>Infection, Genetics and Evolution</i> , 2020 , 81, 104181	4.5	4
205	Variation in the rates of evolution of the insulin and glucagon hormone and receptor genes in rodents. <i>Gene</i> , 2020 , 728, 144296	3.8	5
204	Convergent genomic signatures of high-altitude adaptation among domestic mammals. <i>National Science Review</i> , 2020 , 7, 952-963	10.8	17
203	Two newly identified genotypes for African swine fever virus are incorrect. <i>Journal of Infection</i> , 2020 , 80, 469-496	18.9	1
202	Rare homologous recombination in H3N2 avian influenza A viruses. <i>Journal of Infection</i> , 2020 , 80, 350-371	18.9	1
201	Ambient Temperature is A Strong Selective Factor Influencing Human Development and Immunity. <i>Genomics, Proteomics and Bioinformatics</i> , 2020 , 18, 489-500	6.5	2
200	Host Adaptation and Evolutionary Analysis of : Insights From Codon Usage Based Investigations. <i>Frontiers in Microbiology</i> , 2020 , 11, 570131	5.7	4
199	Origin and Evolution of H1N1/pdm2009: A Codon Usage Perspective. <i>Frontiers in Microbiology</i> , 2020 , 11, 1615	5.7	2
198	Adaptive Evolution of Feline Coronavirus Genes Based on Selection Analysis. <i>BioMed Research International</i> , 2020 , 2020, 9089768	3	1

197	Unveiling the Biogeography and Potential Functions of the Intestinal Digesta- and Mucosa-Associated Microbiome of Donkeys. <i>Frontiers in Microbiology</i> , 2020 , 11, 596882	5.7	2
196	Apoptotic SKOV3 cells stimulate M0 macrophages to differentiate into M2 macrophages and promote the proliferation and migration of ovarian cancer cells by activating the ERK signaling pathway. <i>International Journal of Molecular Medicine</i> , 2020 , 45, 10-22	4.4	13
195	Molecular evolution of GIP and Exendin and their receptors. <i>Peptides</i> , 2020 , 125, 170158	3.8	2
194	The recombination hot spots and genetic diversity of the genomes of African swine fever viruses. <i>Journal of Infection</i> , 2020 , 80, 121-142	18.9	8
193	A missense mutation in ASIP is associated with light point variation in donkeys. <i>Animal Genetics</i> , 2020 , 51, 629	2.5	1
192	Overexpression of DUSP6 enhances chemotherapy-resistance of ovarian epithelial cancer by regulating the ERK signaling pathway. <i>Journal of Cancer</i> , 2020 , 11, 3151-3164	4.5	6
191	Adaptive Evolution of C-Type Lysozyme in Vampire Bats. <i>Journal of Molecular Evolution</i> , 2019 , 87, 309-316	16.1	4
190	Vaccine against Middle East respiratory syndrome coronavirus. <i>Lancet Infectious Diseases</i> , 2019 , 19, 1053-1054	25.5	3
189	Application of a TLR overexpression cell model in pyrogen detection. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 1269-1279	4.9	1
188	Construction of a sensitive pyrogen-testing cell model by site-specific knock-in of multiple genes. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 2652-2661	4.9	
187	Better fit of codon usage of the polymerase and nucleoprotein genes to the chicken host for H7N9 than H9N2 AIVs. <i>Journal of Infection</i> , 2019 , 79, 174-187	18.9	3
186	Phylogeographic patterns of the African swine fever virus. <i>Journal of Infection</i> , 2019 , 79, 174-187	18.9	5
185	Whole genomes and transcriptomes reveal adaptation and domestication of pistachio. <i>Genome Biology</i> , 2019 , 20, 79	18.3	40
184	Avian influenza A viruses H5Nx (N1, N2, N6 and N8) show different adaptations of their codon usage patterns to their hosts. <i>Journal of Infection</i> , 2019 , 79, 174-187	18.9	4
183	No gene communication of HA gene between the human H3N2 and H1N1 pandemic 2009 influenza A viruses. <i>Journal of Infection</i> , 2019 , 79, 174-187	18.9	
182	Human-isolated H7N9 obtained internal genes from duck and human influenza viruses. <i>Journal of Infection</i> , 2019 , 78, 491-503	18.9	0
181	Comparison of whole embryonic development in the duck (<i>Anas platyrhynchos</i>) and goose (<i>Anser cygnoides</i>) with the chicken (<i>Gallus gallus</i>). <i>Poultry Science</i> , 2019 , 98, 3278-3291	3.9	14
180	Population Genomics Analysis Revealed Origin and High-altitude Adaptation of Tibetan Pigs. <i>Scientific Reports</i> , 2019 , 9, 11463	4.9	19

179	Exosomes from Macrophages Exposed to Apoptotic Breast Cancer Cells Promote Breast Cancer Proliferation and Metastasis. <i>Journal of Cancer</i> , 2019 , 10, 2892-2906	4.5	21
178	Adaptive Evolution of Human-Isolated H5Nx Avian Influenza A Viruses. <i>Frontiers in Microbiology</i> , 2019 , 10, 1328	5.7	5
177	Stromal vascular fraction promotes migration of fibroblasts and angiogenesis through regulation of extracellular matrix in the skin wound healing process. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 302	8.3	37
176	Viral Hormones: Do They Impact Human Endocrinology?. <i>Endocrinology</i> , 2019 , 160, 2326-2327	4.8	1
175	Duplication and diversification of insulin genes in ray-finned fish. <i>Zoological Research</i> , 2019 , 40, 185-197	3.4	8
174	Synergy between MC1R and ASIP for coat color in horses (<i>Equus caballus</i>) ¹ . <i>Journal of Animal Science</i> , 2019 , 97, 1578-1585	0.7	3
173	547 transcriptomes from 44 brain areas reveal features of the aging brain in non-human primates. <i>Genome Biology</i> , 2019 , 20, 258	18.3	9
172	Rapid evolving H7N9 avian influenza A viruses pose new challenge. <i>Journal of Infection</i> , 2019 , 78, 249-258	8.9	20
171	Diversification of the functions of proglucagon and glucagon receptor genes in fish. <i>General and Comparative Endocrinology</i> , 2018 , 261, 148-165	3	16
170	The genetic and phylogenetic analysis of a highly pathogenic influenza A H5N6 virus from a heron, southern China, 2013. <i>Infection, Genetics and Evolution</i> , 2018 , 59, 72-74	4.5	5
169	Convergent Evolution of Human-Isolated H7N9 Avian Influenza A Viruses. <i>Journal of Infectious Diseases</i> , 2018 , 217, 1699-1707	7	20
168	Out of Southern East Asia of the Brown Rat Revealed by Large-Scale Genome Sequencing. <i>Molecular Biology and Evolution</i> , 2018 , 35, 149-158	8.3	25
167	Increasing the potential ability of human infections in H5N6 avian influenza A viruses. <i>Journal of Infection</i> , 2018 , 77, 349-356	18.9	10
166	Genome wide analyses uncover allele-specific RNA editing in human and mouse. <i>Nucleic Acids Research</i> , 2018 , 46, 8888-8897	20.1	12
165	Molecular signatures and functional analysis of beige adipocytes induced from in vivo intra-abdominal adipocytes. <i>Science Advances</i> , 2018 , 4, eaar5319	14.3	7
164	Retention and losses of ultraviolet-sensitive visual pigments in bats. <i>Scientific Reports</i> , 2018 , 8, 11933	4.9	6
163	The evolutionary dynamics of H1N1/pdm2009 in India. <i>Infection, Genetics and Evolution</i> , 2018 , 65, 276-282	4.5	5
162	Analysis of Circulating Tumor Cells in Ovarian Cancer and Their Clinical Value as a Biomarker. <i>Cellular Physiology and Biochemistry</i> , 2018 , 48, 1983-1994	3.9	34

161	Evolution of Trichocyte Keratin Associated Proteins. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1054, 47-56	3.6	5
160	The H7N9 viruses have lost most of their previous lineages in the fifth wave. <i>Journal of Infection</i> , 2018 , 76, 417-418	18.9	1
159	Viral Insulin/IGF-1-Like Peptides: Novel Regulators of Physiology and Pathophysiology?. <i>Endocrinology</i> , 2018 , 159, 3659-3660	4.8	
158	Evolutionary dynamics of avian influenza A H7N9 virus across five waves in mainland China, 2013-2017. <i>Journal of Infection</i> , 2018 , 77, 205-211	18.9	10
157	The origin of chow chows in the light of the East Asian breeds. <i>BMC Genomics</i> , 2017 , 18, 174	4.5	7
156	Highly pathogenic H5N6 influenza A viruses recovered from wild birds in Guangdong, southern China, 2014-2015. <i>Scientific Reports</i> , 2017 , 7, 44410	4.9	15
155	PigVar: a database of pig variations and positive selection signatures. <i>Database: the Journal of Biological Databases and Curation</i> , 2017 , 2017,	5	4
154	Evolution of the vertebrate insulin receptor substrate (Irs) gene family. <i>BMC Evolutionary Biology</i> , 2017 , 17, 148	3	14
153	Excessive Autophagy Activation and Increased Apoptosis Are Associated with Palmitic Acid-Induced Cardiomyocyte Insulin Resistance. <i>Journal of Diabetes Research</i> , 2017 , 2017, 2376893	3.9	24
152	Comparison of glyburide and insulin in the management of gestational diabetes: A meta-analysis. <i>PLoS ONE</i> , 2017 , 12, e0182488	3.7	31
151	Tumacrophage: macrophages transformed into tumor stem-like cells by virulent genetic material from tumor cells. <i>Oncotarget</i> , 2017 , 8, 82326-82343	3.3	14
150	Genetic variations associated with six-white-point coat pigmentation in Diannan small-ear pigs. <i>Scientific Reports</i> , 2016 , 6, 27534	4.9	12
149	Comparative population genomics reveals genetic basis underlying body size of domestic chickens. <i>Journal of Molecular Cell Biology</i> , 2016 , 8, 542-552	6.3	15
148	Multiple specialised goose-type lysozymes potentially compensate for an exceptional lack of chicken-type lysozymes in Atlantic cod. <i>Scientific Reports</i> , 2016 , 6, 28318	4.9	11
147	Diversification of Sisorid catfishes (Teleostei: Siluriformes) in relation to the orogeny of the Himalayan Plateau. <i>Science Bulletin</i> , 2016 , 61, 991-1002	10.6	4
146	Repetitive transpositions of mitochondrial DNA sequences to the nucleus during the radiation of horseshoe bats (Rhinolophus, Chiroptera). <i>Gene</i> , 2016 , 581, 161-9	3.8	7
145	Out of southern East Asia: the natural history of domestic dogs across the world. <i>Cell Research</i> , 2016 , 26, 21-33	24.7	177
144	Complete mtDNA genomes reveal similar penetrances of maternally inherited type 2 diabetes in two Chinese families. <i>Mitochondrial DNA</i> , 2016 , 27, 2040-4		1

143	Contrasting Patterns in the Evolution of Vertebrate MLX Interacting Protein (MLXIP) and MLX Interacting Protein-Like (MLXIPL) Genes. <i>PLoS ONE</i> , 2016 , 11, e0149682	3.7	5
142	Identification of HNF4A Mutation p.T130I and HNF1A Mutations p.I27L and p.S487N in a Han Chinese Family with Early-Onset Maternally Inherited Type 2 Diabetes. <i>Journal of Diabetes Research</i> , 2016 , 2016, 3582616	3.9	9
141	Molecular Evolution of the Nuclear Factor (Erythroid-Derived 2)-Like 2 Gene Nrf2 in Old World Fruit Bats (Chiroptera: Pteropodidae). <i>PLoS ONE</i> , 2016 , 11, e0146274	3.7	8
140	Genomic analysis of snub-nosed monkeys (<i>Rhinopithecus</i>) identifies genes and processes related to high-altitude adaptation. <i>Nature Genetics</i> , 2016 , 48, 947-52	36.3	58
139	Bats: Body mass index, forearm mass index, blood glucose levels and SLC2A2 genes for diabetes. <i>Scientific Reports</i> , 2016 , 6, 29960	4.9	10
138	Positive selection rather than relaxation of functional constraint drives the evolution of vision during chicken domestication. <i>Cell Research</i> , 2016 , 26, 556-73	24.7	31
137	Host genetics is associated with the gut microbial community membership rather than the structure. <i>Molecular BioSystems</i> , 2016 , 12, 1676-86		8
136	Prolonged treatment with 3-isobutyl-1-methylxanthine improves the efficiency of differentiating 3T3-L1 cells into adipocytes. <i>Analytical Biochemistry</i> , 2016 , 507, 18-20	3.1	7
135	Xinmailong mitigated epirubicin-induced cardiotoxicity via inhibiting autophagy. <i>Journal of Ethnopharmacology</i> , 2016 , 192, 459-470	5	10
134	Whole-genome sequence of the Tibetan frog <i>Nanorana parkeri</i> and the comparative evolution of tetrapod genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E1257-62	11.5	122
133	Integrative analyses of RNA editing, alternative splicing, and expression of young genes in human brain transcriptome by deep RNA sequencing. <i>Journal of Molecular Cell Biology</i> , 2015 , 7, 314-25	6.3	9
132	Role of glucokinase in the subcellular localization of glucokinase regulatory protein. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 7377-93	6.3	7
131	Genomic Analyses Reveal Potential Independent Adaptation to High Altitude in Tibetan Chickens. <i>Molecular Biology and Evolution</i> , 2015 , 32, 1880-9	8.3	114
130	Complete mitochondrial genome of the Indian peafowl (<i>Pavo cristatus</i>), with phylogenetic analysis in phasianidae. <i>Mitochondrial DNA</i> , 2015 , 26, 912-3		5
129	Genome-wide identification and characterization of teleost-specific microRNAs within zebrafish. <i>Gene</i> , 2015 , 561, 181-9	3.8	8
128	Population Variation Reveals Independent Selection toward Small Body Size in Chinese Debao Pony. <i>Genome Biology and Evolution</i> , 2015 , 8, 42-50	3.9	23
127	DNA methylation signatures of long intergenic noncoding RNAs in porcine adipose and muscle tissues. <i>Scientific Reports</i> , 2015 , 5, 15435	4.9	19
126	Genetic adaptations of the plateau zokor in high-elevation burrows. <i>Scientific Reports</i> , 2015 , 5, 17262	4.9	30

125	Staurosporine Induced Apoptosis May Activate Cancer Stem-Like Cells (CD44+)/CD24(-)) in MCF-7 by Upregulating Mucin1 and EpCAM. <i>Journal of Cancer</i> , 2015 , 6, 1049-57	4.5	10
124	Exposure of tumor-associated macrophages to apoptotic MCF-7 cells promotes breast cancer growth and metastasis. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 11966-82	6.3	27
123	Nocturnal to diurnal transition in the common ancestor of haplorrhines: evidence from genomic-scan for positively selected genes. <i>Journal of Genetics and Genomics</i> , 2015 , 42, 33-7	4	3
122	DoGSD: the dog and wolf genome SNP database. <i>Nucleic Acids Research</i> , 2015 , 43, D777-83	20.1	62
121	Phosphoenolpyruvate carboxykinase 1 gene (Pck1) displays parallel evolution between Old World and New World fruit bats. <i>PLoS ONE</i> , 2015 , 10, e0118666	3.7	4
120	Evolution of the Vertebrate Resistin Gene Family. <i>PLoS ONE</i> , 2015 , 10, e0130188	3.7	5
119	Genomic organization and evolution of ruminant lysozyme c genes. <i>Zoological Research</i> , 2015 , 36, 1-17		8
118	Long term liver specific glucokinase gene defect induced diabetic cardiomyopathy by up regulating NADPH oxidase and down regulating insulin receptor and p-AMPK. <i>Cardiovascular Diabetology</i> , 2014 , 13, 24	8.7	7
117	Evolution of glucose utilization: glucokinase and glucokinase regulator protein. <i>Molecular Phylogenetics and Evolution</i> , 2014 , 70, 195-203	4.1	31
116	Population variation revealed high-altitude adaptation of Tibetan mastiffs. <i>Molecular Biology and Evolution</i> , 2014 , 31, 1200-5	8.3	88
115	Domestication genomics: evidence from animals. <i>Annual Review of Animal Biosciences</i> , 2014 , 2, 65-84	13.7	65
114	Parallel evolution of the glycogen synthase 1 (muscle) gene Gys1 between Old World and New World fruit bats (Order: Chiroptera). <i>Biochemical Genetics</i> , 2014 , 52, 443-58	2.4	4
113	Mitogenomic analyses propose positive selection in mitochondrial genes for high-altitude adaptation in galliform birds. <i>Mitochondrion</i> , 2014 , 18, 70-5	4.9	49
112	Evolution of the vertebrate goose-type lysozyme gene family. <i>BMC Evolutionary Biology</i> , 2014 , 14, 188	3	17
111	Evolution of receptors for peptides similar to glucagon. <i>General and Comparative Endocrinology</i> , 2014 , 209, 50-60	3	18
110	Evolutionary and functional novelty of pancreatic ribonuclease: a study of Musteloidea (order Carnivora). <i>Scientific Reports</i> , 2014 , 4, 5070	4.9	10
109	Relaxed evolution in the tyrosine aminotransferase gene tat in old world fruit bats (Chiroptera: Pteropodidae). <i>PLoS ONE</i> , 2014 , 9, e97483	3.7	3
108	Differential expression of Meis2, Mab21l2 and Tbx3 during limb development associated with diversification of limb morphology in mammals. <i>PLoS ONE</i> , 2014 , 9, e106100	3.7	13

107	The great roundleaf bat (<i>Hipposideros armiger</i>) as a good model for cold-induced browning of intra-abdominal white adipose tissue. <i>PLoS ONE</i> , 2014 , 9, e112495	3.7	6
106	Introgression of mitochondrial DNA promoted by natural selection in the Japanese pipistrelle bat (<i>Pipistrellus abramus</i>). <i>Genetica</i> , 2014 , 142, 483-94	1.5	4
105	Domestication of the dog from the wolf was promoted by enhanced excitatory synaptic plasticity: a hypothesis. <i>Genome Biology and Evolution</i> , 2014 , 6, 3115-21	3.9	23
104	Integrative analysis of young genes, positively selected genes and lncRNAs in the development of <i>Drosophila melanogaster</i> . <i>BMC Evolutionary Biology</i> , 2014 , 14, 241	3	8
103	"Out of pollen" hypothesis for origin of new genes in flowering plants: study from <i>Arabidopsis thaliana</i> . <i>Genome Biology and Evolution</i> , 2014 , 6, 2822-9	3.9	24
102	Genome-wide identification of long intergenic noncoding RNA genes and their potential association with domestication in pigs. <i>Genome Biology and Evolution</i> , 2014 , 6, 1387-92	3.9	72
101	GdX/UBL4A specifically stabilizes the TC45/STAT3 association and promotes dephosphorylation of STAT3 to repress tumorigenesis. <i>Molecular Cell</i> , 2014 , 53, 752-65	17.6	44
100	Balancing selection on CDH2 may be related to the behavioral features of the Belgian Malinois. <i>PLoS ONE</i> , 2014 , 9, e110075	3.7	11
99	Resistin disrupts glycogen synthesis under high insulin and high glucose levels by down-regulating the hepatic levels of GSK3 β . <i>Gene</i> , 2013 , 529, 50-6	3.8	15
98	QcReads: an adapter and quality trimming tool for next-generation sequencing reads. <i>Journal of Genetics and Genomics</i> , 2013 , 40, 639-42	4	4
97	Rapid evolution of the mammalian HILS1 gene and the nuclear condensation process during mammalian spermiogenesis. <i>Journal of Genetics and Genomics</i> , 2013 , 40, 55-9	4	4
96	Differential expression of genes and changes in glucose metabolism in the liver of liver-specific glucokinase gene knockout mice. <i>Gene</i> , 2013 , 516, 248-54	3.8	9
95	The genomics of selection in dogs and the parallel evolution between dogs and humans. <i>Nature Communications</i> , 2013 , 4, 1860	17.4	199
94	Differential expression of genes associated with the progression of renal disease in the kidneys of liver-specific glucokinase gene knockout mice. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 6467-86	6.36	5
93	The Wnt signaling pathway effector TCF7L2 controls gut and brain proglucagon gene expression and glucose homeostasis. <i>Diabetes</i> , 2013 , 62, 789-800	0.9	83
92	Genome-wide scans for candidate genes involved in the aquatic adaptation of dolphins. <i>Genome Biology and Evolution</i> , 2013 , 5, 130-9	3.9	39
91	Draft genome sequence of the Tibetan antelope. <i>Nature Communications</i> , 2013 , 4, 1858	17.4	162
90	Evolution of hepatic glucose metabolism: liver-specific glucokinase deficiency explained by parallel loss of the gene for glucokinase regulatory protein (GCKR). <i>PLoS ONE</i> , 2013 , 8, e60896	3.7	11

89	Adaptive evolution of the Hox gene family for development in bats and dolphins. <i>PLoS ONE</i> , 2013 , 8, e65944	3.7	12
88	An over expression APP model for anti-Alzheimer disease drug screening created by zinc finger nuclease technology. <i>PLoS ONE</i> , 2013 , 8, e75493	3.7	4
87	Signature of balancing selection at the MC1R gene in Kunming dog populations. <i>PLoS ONE</i> , 2013 , 8, e55469	3.7	13
86	Origin and convergent evolution of exendin genes. <i>General and Comparative Endocrinology</i> , 2012 , 175, 27-33	3	15
85	Genetic adaptation of the hypoxia-inducible factor pathway to oxygen pressure among eurasian human populations. <i>Molecular Biology and Evolution</i> , 2012 , 29, 3359-70	8.3	26
84	Characterization of the gene expression profile of heterozygous liver-specific glucokinase knockout mice at a young age. <i>Biomedicine and Pharmacotherapy</i> , 2012 , 66, 587-96	7.5	4
83	The motilin gene evolved a new function in kangaroo rats and kangaroo mice (Dipodomysinae). <i>Journal of Molecular Evolution</i> , 2012 , 75, 112-8	3.1	3
82	Expression of the human glucokinase gene: important roles of the 5Pflanking and intron 1 sequences. <i>PLoS ONE</i> , 2012 , 7, e45824	3.7	8
81	CREPT accelerates tumorigenesis by regulating the transcription of cell-cycle-related genes. <i>Cancer Cell</i> , 2012 , 21, 92-104	24.3	59
80	Direct regulation of the proglucagon gene by insulin, leptin, and cAMP in embryonic versus adult hypothalamic neurons. <i>Molecular Endocrinology</i> , 2012 , 26, 1339-55		12
79	Differences in selection drive olfactory receptor genes in different directions in dogs and wolf. <i>Molecular Biology and Evolution</i> , 2012 , 29, 3475-84	8.3	16
78	Positive selection on the gene RNASEL: correlation between patterns of evolution and function. <i>Molecular Biology and Evolution</i> , 2012 , 29, 3161-8	8.3	8
77	Multiple episodes of convergence in genes of the dim light vision pathway in bats. <i>PLoS ONE</i> , 2012 , 7, e34564	3.7	9
76	Genome-wide scan for bats and dolphin to detect their genetic basis for new locomotive styles. <i>PLoS ONE</i> , 2012 , 7, e46455	3.7	6
75	Long-term renal changes in the liver-specific glucokinase knockout mouse: implications for renal disease in maturity-onset diabetes of the young 2. <i>Translational Research</i> , 2011 , 157, 111-6	11	8
74	Incretin hormones and the expanding families of glucagon-like sequences and their receptors. <i>Diabetes, Obesity and Metabolism</i> , 2011 , 13 Suppl 1, 69-81	6.7	24
73	Evolution of the mammalian lysozyme gene family. <i>BMC Evolutionary Biology</i> , 2011 , 11, 166	3	42
72	Correlated evolution among six gene families in Drosophila revealed by parallel change of gene numbers. <i>Genome Biology and Evolution</i> , 2011 , 3, 396-400	3.9	8

71	Evaluating the roles of energetic functional constraints on teleost mitochondrial-encoded protein evolution. <i>Molecular Biology and Evolution</i> , 2011 , 28, 39-44	8.3	65
70	De novo origin of human protein-coding genes. <i>PLoS Genetics</i> , 2011 , 7, e1002379	6	120
69	Stepwise loss of motilin and its specific receptor genes in rodents. <i>Journal of Molecular Endocrinology</i> , 2010 , 44, 37-44	4.5	75
68	Parallel and convergent evolution of the dim-light vision gene RH1 in bats (Order: Chiroptera). <i>PLoS ONE</i> , 2010 , 5, e8838	3.7	28
67	Mixed S-nitrosylated polymerized bovine hemoglobin species moderate hemodynamic effects in acutely hypoxic rats. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010 , 42, 200-9	5.7	9
66	Adaptive evolution of energy metabolism genes and the origin of flight in bats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 8666-71	11.5	180
65	Insulin treatment and high-fat diet feeding reduces the expression of three Tcf genes in rodent pancreas. <i>Journal of Endocrinology</i> , 2010 , 207, 77-86	4.7	21
64	Evolution of genes for incretin hormones and their receptors. <i>Vitamins and Hormones</i> , 2010 , 84, 1-20	2.5	8
63	A profound role for the expansion of trypsin-like serine protease family in the evolution of hematophagy in mosquito. <i>Molecular Biology and Evolution</i> , 2009 , 26, 2333-41	8.3	35
62	Correction: Molecular evolution of the keratin associated protein gene family in mammals, role in the evolution of mammalian hair. <i>BMC Evolutionary Biology</i> , 2009 , 9, 213	3	1
61	Resistin and insulin resistance in hepatocytes: resistin disturbs glycogen metabolism at the protein level. <i>Biomedicine and Pharmacotherapy</i> , 2009 , 63, 366-74	7.5	16
60	Molecular evolution of mammalian incretin hormone genes. <i>Regulatory Peptides</i> , 2009 , 155, 121-30		32
59	Molecular evolution of the keratin associated protein gene family in mammals, role in the evolution of mammalian hair. <i>BMC Evolutionary Biology</i> , 2008 , 8, 241	3	64
58	Evolution of conserved secondary structures and their function in transcriptional regulation networks. <i>BMC Genomics</i> , 2008 , 9, 520	4.5	2
57	Molecular evolution of the vertebrate hexokinase gene family: Identification of a conserved fifth vertebrate hexokinase gene. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2008 , 3, 96-107	2	42
56	CHIP promotes Runx2 degradation and negatively regulates osteoblast differentiation. <i>Journal of Cell Biology</i> , 2008 , 181, 959-72	7.3	86
55	A novel element regulates expression of the proximal human proglucagon promoter in islet cells. <i>General and Comparative Endocrinology</i> , 2007 , 151, 230-9	3	1
54	The fish endocrine pancreas: review, new data, and future research directions in ontogeny and phylogeny. <i>General and Comparative Endocrinology</i> , 2006 , 148, 105-15	3	36

53	Cloning of stanniocalcin (STC) cDNAs of divergent teleost species: Monomeric STC supports monophyly of the ancient teleosts, the osteoglossomorphs. <i>General and Comparative Endocrinology</i> , 2006 , 149, 100-7	3	9
52	Intron 1 sequences are required for pancreatic expression of the human proglucagon gene. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 290, R634-41	3.2	14
51	Evolution of the vertebrate glucose-dependent insulinotropic polypeptide (GIP) gene. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2006 , 1, 385-95	2	15
50	In silico identification and Bayesian phylogenetic analysis of multiple new mammalian kallikrein gene families. <i>Genomics</i> , 2006 , 88, 591-9	4.3	28
49	Structure and expression of the chicken proglucagon gene. <i>Molecular and Cellular Endocrinology</i> , 2005 , 230, 69-76	4.4	12
48	Evolution of Hormone Function: Proglucagon-derived Peptides and Their Receptors. <i>BioScience</i> , 2005 , 55, 583	5.7	16
47	Evolution of new hormone function: loss and gain of a receptor. <i>Journal of Heredity</i> , 2005 , 96, 205-11	2.4	35
46	A second insulin gene in fish genomes. <i>General and Comparative Endocrinology</i> , 2004 , 135, 150-8	3	40
45	Evolution of cow nonstomach lysozyme genes. <i>Genome</i> , 2004 , 47, 1082-90	2.4	36
44	Fish proglucagon genes have differing coding potential. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2004 , 137, 255-64	2.3	29
43	Aberrant regulation of human intestinal proglucagon gene expression in the NCI-H716 cell line. <i>Endocrinology</i> , 2003 , 144, 2025-33	4.8	29
42	Molecular evolution of vertebrate goose-type lysozyme genes. <i>Journal of Molecular Evolution</i> , 2003 , 56, 234-42	3.1	85
41	Human glucagon gene promoter sequences regulating tissue-specific versus nutrient-regulated gene expression. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 282, R173-83	3.2	26
40	Ancient duplications of the human proglucagon gene. <i>Genomics</i> , 2002 , 79, 741-6	4.3	33
39	Decreased CRH mRNA expression in the fetal guinea pig hypothalamus following maternal nutrient restriction. <i>Brain Research</i> , 2001 , 896, 179-82	3.7	15
38	Molecular cloning of preproinsulin cDNAs from several osteoglossomorphs and a cyprinid. <i>Molecular and Cellular Endocrinology</i> , 2001 , 174, 51-8	4.4	12
37	Molecular evolution of proglucagon. <i>Regulatory Peptides</i> , 2001 , 98, 1-12		77
36	Amphibian glucagon family peptides: potent metabolic regulators in fish hepatocytes. <i>Regulatory Peptides</i> , 2001 , 99, 111-8		9

35	Evolution of receptors for proglucagon-derived peptides: isolation of frog glucagon receptors. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2001 , 128, 517-27	2.3	20
34	cDNA cloning of proglucagon from the stomach and pancreas of the dog. <i>DNA Sequence</i> , 2001 , 12, 253-60		4
33	Proinsulin cDNAs from the leopard frog, <i>Rana pipiens</i> : evolution of proinsulin processing. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2000 , 125, 405-10	2.3	1
32	Proglucagon cDNAs from the leopard frog, <i>Rana pipiens</i> , encode two GLP-1-like peptides. <i>Molecular and Cellular Endocrinology</i> , 2000 , 162, 17-24	4.4	16
31	Divergent regulation of human and rat proglucagon gene promoters in vivo. <i>American Journal of Physiology - Renal Physiology</i> , 1999 , 277, G829-37	5.1	16
30	Lamprey proglucagon and the origin of glucagon-like peptides. <i>Molecular Biology and Evolution</i> , 1999 , 16, 1548-57	8.3	50
29	Glucagon-like peptide 1 increases insulin sensitivity in depancreatized dogs. <i>Diabetes</i> , 1999 , 48, 1045-53	0.9	91
28	Mosaic evolution of ruminant stomach lysozyme genes. <i>Molecular Phylogenetics and Evolution</i> , 1999 , 13, 474-82	4.1	25
27	The complete consensus sequence of coxsackievirus B6 and generation of infectious clones by long RT-PCR. <i>Virus Research</i> , 1999 , 64, 77-86	6.4	17
26	The <i>Xenopus</i> proglucagon gene encodes novel GLP-1-like peptides with insulinotropic properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 7915-20	11.5	67
25	Selective constraints on the activation domain of transcription factor Pit-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 10256-61	11.5	17
24	Evolution of stomach lysozyme: the pig lysozyme gene. <i>Molecular Phylogenetics and Evolution</i> , 1996 , 5, 298-308	4.1	32
23	Evolution of the bovine lysozyme gene family: Changes in gene expression and reversion of function. <i>Journal of Molecular Evolution</i> , 1995 , 41, 299-312	3.1	29
22	Evolution of the bovine lysozyme gene family: Changes in gene expression and reversion of function. <i>Journal of Molecular Evolution</i> , 1995 , 41, 299	3.1	
21	Cytochrome b gene of marine mammals: Phylogeny and evolution. <i>Journal of Mammalian Evolution</i> , 1994 , 2, 37-55	2.2	109
20	Evolution of prothrombin: isolation and characterization of the cDNAs encoding chicken and hagfish prothrombin. <i>Journal of Molecular Evolution</i> , 1994 , 38, 177-87	3.1	22
19	Molecular evolution. Who are the parents of eukaryotes?. <i>Current Biology</i> , 1994 , 4, 1115-7	6.3	15
18	Assays for copy number, differential expression, and recombination in lysozyme multigene family. <i>Methods in Enzymology</i> , 1993 , 224, 552-63	1.7	4

17	Evolution of rodent lysozymes: isolation and sequence of the rat lysozyme genes. <i>Molecular Phylogenetics and Evolution</i> , 1993 , 2, 65-75	4.1	29
16	Characterization of the cow stomach lysozyme genes: repetitive DNA and concerted evolution. <i>Journal of Molecular Evolution</i> , 1993 , 37, 355-66	3.1	32
15	Physical mapping of the lysozyme gene family in cattle. <i>Mammalian Genome</i> , 1993 , 4, 368-73	3.2	23
14	Two steps easier than one?. <i>Current Biology</i> , 1993 , 3, 907-9	6.3	
13	Limitations of Molecular Methods for Establishing the Phylogeny of Mammals, with Special Reference to the Position of Elephants 1993 , 257-267		6
12	Evolutionary genetics of ruminant lysozymes. <i>Animal Genetics</i> , 1992 , 23, 193-202	2.5	41
11	Stomach lysozyme gene of the langur monkey: tests for convergence and positive selection. <i>Journal of Molecular Evolution</i> , 1991 , 33, 418-25	3.1	69
10	Evolution of the cytochrome b gene of mammals. <i>Journal of Molecular Evolution</i> , 1991 , 32, 128-44	3.1	1787
9	Evolution of an active-site codon in serine proteases. <i>Nature</i> , 1988 , 336, 429-30	50.4	25
8	Structure and evolution of the bovine prothrombin gene. <i>Journal of Molecular Biology</i> , 1988 , 200, 31-45	6.5	58
7	Human genes encoding prothrombin and ceruloplasmin map to 11p11-q12 and 3q21-24, respectively. <i>Somatic Cell and Molecular Genetics</i> , 1987 , 13, 285-92		69
6	The prothrombin gene. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , 1986 , 16, 227-38		1
5	Recombinant genetic approaches to functional mapping of thrombin. <i>Annals of the New York Academy of Sciences</i> , 1986 , 485, 73-9	6.5	6
4	Characterization of the bovine prothrombin gene. <i>Biochemistry</i> , 1985 , 24, 6854-61	3.2	14
3	Organization of the Genes Coding for Prothrombin and Factor X. <i>Protides of the Biological Fluids; Proceedings of the Colloquium</i> , 1985 , 33, 95-98		1
2	Evolutionary history of the brown rat: out of southern East Asia and selection		1
1	Convergent genomic signatures of high altitude adaptation among domestic mammals		1