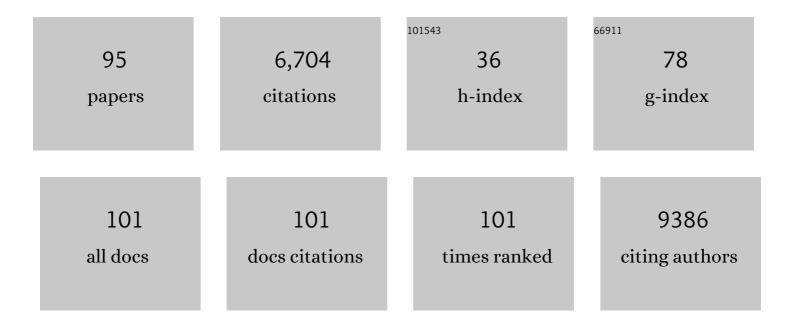
James O Mcinerney

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9579748/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Assessment of methods for amino acid matrix selection and their use on empirical data shows that ad hoc assumptions for choice of matrix are not justified. BMC Evolutionary Biology, 2006, 6, 29.	3.2	977
2	Population Genomics Reveal Recent Speciation and Rapid Evolutionary Adaptation in Polar Bears. Cell, 2014, 157, 785-794.	28.9	363
3	Why prokaryotes have pangenomes. Nature Microbiology, 2017, 2, 17040.	13.3	327
4	New approaches for unravelling reassortment pathways. BMC Evolutionary Biology, 2013, 13, 1.	3.2	278
5	Endosymbiotic origin and differential loss of eukaryotic genes. Nature, 2015, 524, 427-432.	27.8	251
6	Origins of major archaeal clades correspond to gene acquisitions from bacteria. Nature, 2015, 517, 77-80.	27.8	238
7	Replicational and transcriptional selection on codon usage in Borrelia burgdorferi. Proceedings of the United States of America, 1998, 95, 10698-10703.	7.1	223
8	Acquisition of 1,000 eubacterial genes physiologically transformed a methanogen at the origin of Haloarchaea. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20537-20542.	7.1	211
9	Combined Analysis of Variation in Core, Accessory and Regulatory Genome Regions Provides a Super-Resolution View into the Evolution of Bacterial Populations. PLoS Genetics, 2016, 12, e1006280.	3.5	177
10	Networks: expanding evolutionary thinking. Trends in Genetics, 2013, 29, 439-441.	6.7	176
11	The Opisthokonta and the Ecdysozoa May Not Be Clades: Stronger Support for the Grouping of Plant and Animal than for Animal and Fungi and Stronger Support for the Coelomata than Ecdysozoa. Molecular Biology and Evolution, 2005, 22, 1175-1184.	8.9	171
12	Metazoan opsin evolution reveals a simple route to animal vision. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18868-18872.	7.1	168
13	Supertrees Disentangle the Chimerical Origin of Eukaryotic Genomes. Molecular Biology and Evolution, 2007, 24, 1752-1760.	8.9	157
14	Of clades and clans: terms for phylogenetic relationships in unrooted trees. Trends in Ecology and Evolution, 2007, 22, 114-115.	8.7	145
15	A Method for Inferring the Rate of Evolution of Homologous Characters that Can Potentially Improve Phylogenetic Inference, Resolve Deep Divergence and Correct Systematic Biases. Systematic Biology, 2011, 60, 833-844.	5.6	134
16	Genome Phylogenies Indicate a Meaningful α-Proteobacterial Phylogeny and Support a Grouping of the Mitochondria with the Rickettsiales. Molecular Biology and Evolution, 2006, 23, 74-85.	8.9	133
17	The hybrid nature of the Eukaryota and a consilient view of life on Earth. Nature Reviews Microbiology, 2014, 12, 449-455.	28.6	124
18	TOPD/FMTS: a new software to compare phylogenetic trees. Bioinformatics, 2007, 23, 1556-1558.	4.1	120

#	Article	IF	CITATIONS
19	Fatty acid biosynthesis in Mycobacterium tuberculosis: Lateral gene transfer, adaptive evolution, and gene duplication. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10320-10325.	7.1	119
20	Heterogeneous Models Place the Root of the Placental Mammal Phylogeny. Molecular Biology and Evolution, 2013, 30, 2145-2156.	8.9	115
21	Does a tree–like phylogeny only exist at the tips in the prokaryotes?. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 2551-2558.	2.6	114
22	Recovery and phylogenetic analysis of novel archaeal rRNA sequences from a deep-sea deposit feeder. Applied and Environmental Microbiology, 1995, 61, 1646-1648.	3.1	92
23	The Shape of Supertrees to Come: Tree Shape Related Properties of Fourteen Supertree Methods. Systematic Biology, 2005, 54, 419-431.	5.6	88
24	The prokaryotic tree of life: past, present…and future?. Trends in Ecology and Evolution, 2008, 23, 276-281.	8.7	82
25	"Every Gene Is Everywhere but the Environment Selects― Global Geolocalization of Gene Sharing in Environmental Samples through Network Analysis. Genome Biology and Evolution, 2016, 8, 1388-1400.	2.5	82
26	Planctomycetes and eukaryotes: A case of analogy not homology. BioEssays, 2011, 33, 810-817.	2.5	79
27	Eukaryotic genes of archaebacterial origin are more important than the more numerous eubacterial genes, irrespective of function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17252-17255.	7.1	74
28	The public goods hypothesis for the evolution of life on Earth. Biology Direct, 2011, 6, 41.	4.6	74
29	Evolutionary analyses of non-genealogical bonds produced by introgressive descent. Proceedings of the United States of America, 2012, 109, 18266-18272.	7.1	68
30	Function-related replacement of bacterial siderophore pathways. ISME Journal, 2018, 12, 320-329.	9.8	66
31	MultiPhyl: a high-throughput phylogenomics webserver using distributed computing. Nucleic Acids Research, 2007, 35, W33-W37.	14.5	59
32	Gene similarity networks provide tools for understanding eukaryote origins and evolution. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1594-603.	7.1	59
33	EGN: a wizard for construction of gene and genome similarity networks. BMC Evolutionary Biology, 2013, 13, 146.	3.2	50
34	An algorithm for detecting directional and non-directional positive selection, neutrality and negative selection in protein coding DNA sequences. Gene, 2002, 300, 43-51.	2.2	47
35	Horizontal Gene Transfer as a Source of Conflict and Cooperation in Prokaryotes. Frontiers in Microbiology, 2020, 11, 1569.	3.5	46
36	Characterization of endospore-forming bacteria associated with entomopathogenic nematodes, Heterorhabditis spp., and description of Paenibacillus nematophilus sp. nov International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 435-441.	1.7	44

#	Article	IF	CITATIONS
37	Coinfinder: detecting significant associations and dissociations in pangenomes. Microbial Genomics, 2020, 6, .	2.0	40
38	Timing and Reconstruction of the Most Recent Common Ancestor of the Subtype C Clade of Human Immunodeficiency Virus Type 1. Journal of Virology, 2004, 78, 10501-10506.	3.4	39
39	Molecular evidence for dim-light vision in the last common ancestor of the vertebrates. Current Biology, 2006, 16, R318-R319.	3.9	39
40	The causes of protein evolutionary rate variation. Trends in Ecology and Evolution, 2006, 21, 230-232.	8.7	37
41	A Pluralistic Account of Homology: Adapting the Models to the Data. Molecular Biology and Evolution, 2014, 31, 501-516.	8.9	37
42	Molecular phylogeny of the Drosophila tripunctata and closely related species groups (Diptera:) Tj ETQq0 0 0 rgE	BT Oyerloo 2.7	ck 10 Tf 50 5
43	Some Desiderata for Liberal Supertrees. Computational Biology, 2004, , 227-246.	0.2	35
44	Evidence for Heterogeneous Selective Pressures in the Evolution of the env Gene in Different Human Immunodeficiency Virus Type 1 Subtypes. Journal of Virology, 2005, 79, 1836-1841.	3.4	34
45	Translational Selection Frequently Overcomes Genetic Drift in Shaping Synonymous Codon Usage Patterns in Vertebrates. Molecular Biology and Evolution, 2013, 30, 2263-2267.	8.9	34
46	Mechanisms That Shape Microbial Pangenomes. Trends in Microbiology, 2021, 29, 493-503.	7.7	34
47	Bipartite Network Analysis of Gene Sharings in the Microbial World. Molecular Biology and Evolution, 2018, 35, 899-913.	8.9	31
48	The network of life: genome beginnings and evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 2169-2175.	4.0	29
49	Prokaryotic Genome Evolution as Assessed by Multivariate Analysis of Codon Usage Patterns. Microbial & Comparative Genomics, 1997, 2, 89-97.	0.4	25
50	Phylogenetic analysis of Group I marine archaeal rRNA sequences emphasizes the hidden diversity within the primary group Archaea. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 1663-1669.	2.6	25
51	Gene prediction using the Self-Organizing Map: automatic generation of multiple gene models. BMC Bioinformatics, 2004, 5, 23.	2.6	23
52	Horizontal gene flow from Eubacteria to Archaebacteria and what it means for our understanding of eukaryogenesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140337.	4.0	23
53	Trees from Trees: Construction of Phylogenetic Supertrees Using Clann. Methods in Molecular Biology, 2009, 537, 139-161.	0.9	23
54	Recurring cluster and operon assembly for Phenylacetate degradation genes. BMC Evolutionary Biology, 2009, 9, 36.	3.2	21

#	Article	IF	CITATIONS
55	Evidence for Selection in the Abundant Accessory Gene Content of a Prokaryote Pangenome. Molecular Biology and Evolution, 2021, 38, 3697-3708.	8.9	21
56	Formation of chimeric genes with essential functions at the origin of eukaryotes. BMC Biology, 2018, 16, 30.	3.8	19
57	Evidence of Positive Darwinian Selection in Omp85, a Highly ConservedBacterial Outer Membrane Protein Essential for Cell Viability. Journal of Molecular Evolution, 2005, 60, 268-273.	1.8	18
58	The Molecular Phylogeny of a Nematode-Specific Clade of Heterotrimeric G-Protein α-Subunit Genes. Journal of Molecular Evolution, 2006, 63, 87-94.	1.8	18
59	The Human Genome Retains Relics of Its Prokaryotic Ancestry: Human Genes of Archaebacterial and Eubacterial Origin Exhibit Remarkable Differences. Genome Biology and Evolution, 2011, 3, 782-790.	2.5	18
60	Paradigm for Life. Science, 2007, 318, 1390-1391.	12.6	17
61	Integration of Two Ancestral Chaperone Systems into One: The Evolution of Eukaryotic Molecular Chaperones in Light of Eukaryogenesis. Molecular Biology and Evolution, 2014, 31, 410-418.	8.9	17
62	Eukaryotic genes in Mycobacterium tuberculosis? Possible alternative explanations. Trends in Genetics, 2003, 19, 687-689.	6.7	15
63	New methods ring changes for the tree of life. Trends in Ecology and Evolution, 2005, 20, 105-107.	8.7	15
64	Gene and genome trees conflict at many levels. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 2209-2219.	4.0	15
65	Evolution: A four billion year old metabolism. Nature Microbiology, 2016, 1, 16139.	13.3	15
66	Gamma Chain Receptor Interleukins: Evidence for Positive Selection Driving the Evolution of Cell-to-Cell Communicators in the Mammalian Immune System. Journal of Molecular Evolution, 2005, 61, 608-619.	1.8	14
67	Horizontal gene transfer is less frequent in eukaryotes than prokaryotes but can be important (retrospective on DOI 10.1002/bies.201300095). BioEssays, 2017, 39, 1700002.	2.5	14
68	Analysis of gene expression in the bovine corpus luteum through generation and characterisation of 960 ESTs. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2004, 1679, 10-17.	2.4	13
69	Prokaryote pangenomes are dynamic entities. Current Opinion in Microbiology, 2022, 66, 73-78.	5.1	13
70	The tree of genomes: An empirical comparison of genome-phylogeny reconstruction methods. BMC Evolutionary Biology, 2008, 8, 312.	3.2	12
71	Reply to â€~The population genetics of pangenomes'. Nature Microbiology, 2017, 2, 1575-1575.	13.3	11
72	Gene-gene relationships in an Escherichia coli accessory genome are linked to function and mobility. Microbial Genomics, 2021, 7, .	2.0	11

#	Article	IF	CITATIONS
73	Pangenomes and Selection: The Public Goods Hypothesis. , 2020, , 151-167.		10
74	Evidence of Positive Darwinian Selection in Putative Meningococcal Vaccine Antigens. Journal of Molecular Evolution, 2005, 61, 90-98.	1.8	9
75	Codon usage patterns in Trichomonas vaginalis. European Journal of Protistology, 1997, 33, 266-273.	1.5	8
76	More than tree dimensions: inter-lineage evolution's ecological importance. Trends in Ecology and Evolution, 2013, 28, 624-625.	8.7	8
77	Mind the gaps in cellular evolution. Nature, 2017, 541, 297-299.	27.8	8
78	On the desirability of models for inferring genome phylogenies. Trends in Microbiology, 2006, 14, 1-2.	7.7	7
79	Increased Genome Sampling Reveals a Dynamic Relationship between Gene Duplicability and the Structure of the Primate Protein–Protein Interaction Network. Molecular Biology and Evolution, 2012, 29, 3563-3573.	8.9	7
80	Gene Fusions Derived by Transcriptional Readthrough are Driven by Segmental Duplication in Human. Genome Biology and Evolution, 2019, 11, 2678-2690.	2.5	7
81	Bacteria and Archaea: Molecular techniques reveal astonishing diversity. Biodiversity, 2002, 3, 3-10.	1.1	6
82	Adaptive evolution of the human fatty acid synthase gene: Support for the cancer selection and fat utilization hypotheses?. Gene, 2005, 360, 151-159.	2.2	6
83	Goods-thinking vs. tree-thinking. Mobile Genetic Elements, 2011, 1, 304-343.	1.8	6
84	The role of public goods in planetary evolution. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160359.	3.4	6
85	Detecting Adaptive Molecular Evolution: Additional Tools for the Parasitologist. Advances in Parasitology, 2003, 54, 359-379.	3.2	4
86	Building Large Phylogenetic Trees on Coarse-Grained Parallel Machines. Algorithmica, 2006, 45, 285-300.	1.3	4
87	Extraction of Prokaryotic Genomic DNA from Marine Microbial Communities Suitable for Amplification Using the Polymerase Chain Reaction. International Review of Hydrobiology, 1995, 80, 351-360.	0.6	3
88	Evolution by Pervasive Gene Fusion in Antibiotic Resistance and Antibiotic Synthesizing Genes. Computation, 2015, 3, 114-127.	2.0	3
89	Re: Spectral Analysis of Echinoderm Small Subunit Ribosomal RNA Gene Sequence Data. Molecular Phylogenetics and Evolution, 2000, 15, 327-329.	2.7	2
			-

90 Ghost locus appears. Nature, 2014, 514, 570-571.

27.8 2

#	Article	IF	CITATIONS
91	Eukaryote Genes Are More Likely than Prokaryote Genes to Be Composites. Genes, 2019, 10, 648.	2.4	2
92	Gene Evolution and Drug Discovery. , 2006, 316, 87-109.		1
93	Detection of micro-organisms in the environment. Biochemical Society Transactions, 1995, 23, 435-437.	3.4	Ο
94	Society for Molecular Biology and Evolution, Council and Business Meetings, 2013, Chicago, IL. Genome Biology and Evolution, 2013, 5, 2094-2095.	2.5	0
95	Society for <i>Molecular Biology and Evolution</i> , Council and Business Meetings, 2016, Gold Coast Australia. Molecular Biology and Evolution, 2017, 34, 243-244.	8.9	0