Murray Cox

List of Publications by Year in descending order

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Μυρρλγ ζογ

#	Article	IF	CITATIONS
1	Genetic architecture of gene regulation in Indonesian populations identifies QTLs associated with global and local ancestries. American Journal of Human Genetics, 2022, 109, 50-65.	6.2	11
2	Epichloë scottii sp. nov., a new endophyte isolated from Melica uniflora is the missing ancestor of Epichloë disjuncta. IMA Fungus, 2022, 13, 2.	3.8	5
3	Deep ancestry of collapsing networks of nomadic hunter–gatherers in Borneo. Evolutionary Human Sciences, 2022, 4, .	1.7	3
4	Episodes of Diversification and Isolation in Island Southeast Asian and Near Oceanian Male Lineages. Molecular Biology and Evolution, 2022, 39, .	8.9	9
5	Cross-species transcriptomics identifies core regulatory changes differentiating the asymptomatic asexual and virulent sexual life cycles of grass-symbiotic <i>Epichloë</i> fungi. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	4
6	Reconstruction of gene innovation associated with major evolutionary transitions in the kingdom Fungi. BMC Biology, 2022, 20, .	3.8	6
7	Telomere-to-Telomere Genome Sequences across a Single Genus Reveal Highly Variable Chromosome Rearrangement Rates but Absolute Stasis of Chromosome Number. Journal of Fungi (Basel,) Tj ETQq1 1 0.7843	l4 r gB T /C	Overbock 10 T
8	Crossâ€kingdom transcriptomic trends in the evolution of hybrid gene expression. Journal of Evolutionary Biology, 2022, 35, 1126-1137.	1.7	2
9	Chronology of natural selection in Oceanian genomes. IScience, 2022, 25, 104583.	4.1	3
10	Characterization of Bicistronic Transcription in Budding Yeast. MSystems, 2021, 6, .	3.8	1
11	Widespread Denisovan ancestry in Island Southeast Asia but no evidence of substantial super-archaic hominin admixture. Nature Ecology and Evolution, 2021, 5, 616-624.	7.8	27
12	Comparative genomics reveals a core gene toolbox for lifestyle transitions in Hypocreales fungi. Environmental Microbiology, 2021, 23, 3251-3264.	3.8	8
13	Evolution of virulence in a novel family of transmissible megaâ€plasmids. Environmental Microbiology, 2021, 23, 5289-5304.	3.8	5
14	Papua New Guinean Genomes Reveal the Complex Settlement of North Sahul. Molecular Biology and Evolution, 2021, 38, 5107-5121.	8.9	11
15	Correlated Transcriptional Responses Provide Insights into the Synergy Mechanisms of the Furazolidone, Vancomycin, and Sodium Deoxycholate Triple Combination in Escherichia coli. MSphere, 2021, 6, e0062721.	2.9	0
16	An informatics consult approach for generating clinical evidence for treatment decisions. BMC Medical Informatics and Decision Making, 2021, 21, 281.	3.0	8
17	Regulation of hostâ€infection ability in the grassâ€symbiotic fungus <i>Epichloë festucae</i> by histone <scp>H3K9</scp> and <scp>H3K36</scp> methyltransferases. Environmental Microbiology, 2021, 23, 2116-2131.	3.8	9
18	Chromosome-level genomes provide insights into genome evolution, organization and size in Epichloe fungi. Genomics, 2021, 113, 4267-4275.	2.9	6

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19	Phylogenetic determinants of toxin gene distribution in genomes of Brevibacillus laterosporus. Genomics, 2020, 112, 1042-1053.	2.9	19
20	Chromosome-Level Reference Genome of <i>Venturia effusa</i> , Causative Agent of Pecan Scab. Molecular Plant-Microbe Interactions, 2020, 33, 149-152.	2.6	14
21	Dense sampling of bird diversity increases power of comparative genomics. Nature, 2020, 587, 252-257.	27.8	251
22	Comparative genetic diversity of <i>Cryptosporidium</i> species causing human infections. Parasitology, 2020, 147, 1532-1537.	1.5	8
23	Mitochondrial evolution in the entomopathogenic fungal genus <i>Beauveria</i> . Archives of Insect Biochemistry and Physiology, 2020, 105, e21754.	1.5	5
24	A different paradigm for the colonisation of Sahul. Archaeology in Oceania, 2020, 55, 182-191.	0.7	1
25	Mycelial biomass and concentration of loline alkaloids driven by complex population structure in <i>Epichloë uncinata</i> and meadow fescue (<i>Schedonorus pratensis</i>). Mycologia, 2020, 112, 474-490.	1.9	9
26	Genome-wide DNA methylation and gene expression patterns reflect genetic ancestry and environmental differences across the Indonesian archipelago. PLoS Genetics, 2020, 16, e1008749.	3.5	30
27	Papuan mitochondrial genomes and the settlement of Sahul. Journal of Human Genetics, 2020, 65, 875-887.	2.3	24
28	The importance and prevalence of allopolyploidy in Aotearoa New Zealand. Journal of the Royal Society of New Zealand, 2020, 50, 189-210.	1.9	5
29	Conservation and expansion of a necrosisâ€inducing small secreted protein family from hostâ€variable phytopathogens of the Sclerotiniaceae. Molecular Plant Pathology, 2020, 21, 512-526.	4.2	23
30	Opportunities for modern genetic technologies to maintain and enhance Aotearoa New Zealand's bioheritage. New Zealand Journal of Ecology, 2020, 44, .	1.1	4
31	Genetics, adaptation to environmental changes and archaic admixture in the pathogenesis of diabetes mellitus in Indigenous Australians. Reviews in Endocrine and Metabolic Disorders, 2019, 20, 321-332.	5.7	2
32	Reduced Virulence of an Introduced Forest Pathogen over 50 Years. Microorganisms, 2019, 7, 420.	3.6	6
33	Greater genetic and regulatory plasticity of retained duplicates inEpichloëendophytic fungi. Molecular Ecology, 2019, 28, 5103-5114.	3.9	6
34	Sex-linked genetic diversity originates from persistent sociocultural processes at microgeographic scales. Royal Society Open Science, 2019, 6, 190733.	2.4	0
35	Global population genomics of the forest pathogen <i>Dothistroma septosporum </i> reveal chromosome duplications in high dothistrominâ€producing strains. Molecular Plant Pathology, 2019, 20, 784-799.	4.2	19
36	Breaking Free: The Genomics of Allopolyploidy-Facilitated Niche Expansion in White Clover. Plant Cell, 2019, 31, 1466-1487.	6.6	89

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37	Warfare induces post-marital residence change. Journal of Theoretical Biology, 2019, 474, 52-62.	1.7	3
38	Multiple Deeply Divergent Denisovan Ancestries in Papuans. Cell, 2019, 177, 1010-1021.e32.	28.9	181
39	Complex epigenetic regulation of alkaloid biosynthesis and host interaction by heterochromatin protein I in a fungal endophyte-plant symbiosis. Fungal Genetics and Biology, 2019, 125, 71-83.	2.1	25
40	CHAPTER 4. Language and Kinship in Deep Time. , 2019, , 68-96.		0
41	Archaic mitochondrial DNA inserts in modern day nuclear genomes. BMC Genomics, 2019, 20, 1017.	2.8	8
42	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. Nature Immunology, 2019, 20, 1299-1310.	14.5	53
43	Evidence of Austronesian Genetic Lineages in East Africa and South Arabia: Complex Dispersal from Madagascar and Southeast Asia. Genome Biology and Evolution, 2019, 11, 748-758.	2.5	15
44	Investigating the origins of eastern Polynesians using genome-wide data from the Leeward Society Isles. Scientific Reports, 2018, 8, 1823.	3.3	22
45	The Comoros Show the Earliest Austronesian Gene Flow into the Swahili Corridor. American Journal of Human Genetics, 2018, 102, 58-68.	6.2	32
46	Repeat elements organise 3D genome structure and mediate transcription in the filamentous fungus Epichloë festucae. PLoS Genetics, 2018, 14, e1007467.	3.5	79
47	Ancient DNA and its contribution to understanding the human history of the Pacific Islands. Archaeology in Oceania, 2018, 53, 205-219.	0.7	10
48	MÄori oral traditions record and convey indigenous knowledge of marine and freshwater resources. New Zealand Journal of Marine and Freshwater Research, 2018, 52, 487-496.	2.0	22
49	Human Perceptions of Megafaunal Extinction Events Revealed by Linguistic Analysis of Indigenous Oral Traditions. Human Ecology, 2018, 46, 461-470.	1.4	17
50	Post-marital residence patterns show lineage-specific evolution. Evolution and Human Behavior, 2018, 39, 594-601.	2.2	24
51	Genomic medicine must reduce, not compound, health inequities: the case for hauora-enhancing genomic resources for New Zealand. New Zealand Medical Journal, 2018, 131, 81-89.	0.5	13
52	The last sea nomads of the Indonesian archipelago: genomic origins and dispersal. European Journal of Human Genetics, 2017, 25, 1004-1010.	2.8	21
53	Host Tissue Environment Directs Activities of an <i>Epichloë</i> Endophyte, While It Induces Systemic Hormone and Defense Responses in Its Native Perennial Ryegrass Host. Molecular Plant-Microbe Interactions, 2017, 30, 138-149.	2.6	68
54	Complex Patterns of Admixture across the Indonesian Archipelago. Molecular Biology and Evolution, 2017, 34, 2439-2452.	8.9	65

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55	Genomic admixture tracks pulses of economic activity over 2,000 years in the Indian Ocean trading network. Scientific Reports, 2017, 7, 2919.	3.3	13
56	Kinship structures create persistent channels for language transmission. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12910-12915.	7.1	18
57	Genomic Data Quality Impacts Automated Detection of Lateral Gene Transfer in Fungi. G3: Genes, Genomes, Genetics, 2017, 7, 1301-1314.	1.8	20
58	Insights into the Geobacillus stearothermophilus species based on phylogenomic principles. BMC Microbiology, 2017, 17, 140.	3.3	41
59	Epichloë hybrida, sp. nov., an emerging model system for investigating fungal allopolyploidy. Mycologia, 2017, 109, 1-15.	1.9	43
60	Genome-scale investigation of phenotypically distinct but nearly clonal <i>Trichoderma</i> strains. PeerJ, 2016, 4, e2023.	2.0	3
61	Malagasy Genetic Ancestry Comes from an Historical Malay Trading Post in Southeast Borneo. Molecular Biology and Evolution, 2016, 33, 2396-2400.	8.9	62
62	Bandwidth selection for kernel log-density estimation. Computational Statistics and Data Analysis, 2016, 103, 56-67.	1.2	8
63	Genomic insights into the peopling of the Southwest Pacific. Nature, 2016, 538, 510-513.	27.8	262
64	Genomeâ€wide gene expression dynamics of the fungal pathogen <i><scp>D</scp>othistroma septosporum</i> throughout its infection cycle of the gymnosperm host <i><scp>P</scp>inus radiata</i> . Molecular Plant Pathology, 2016, 17, 210-224.	4.2	48
65	Genomic analyses inform on migration events during the peopling of Eurasia. Nature, 2016, 538, 238-242.	27.8	360
66	Contrasting Linguistic and Genetic Origins of the Asian Source Populations of Malagasy. Scientific Reports, 2016, 6, 26066.	3.3	48
67	The Case of the Missing Ancient Fungal Polyploids. American Naturalist, 2016, 188, 602-614.	2.1	38
68	Reconstructing Demography and Social Behavior During the Neolithic Expansion from Genomic Diversity Across Island Southeast Asia. Genetics, 2016, 204, 1495-1506.	2.9	12
69	Small Traditional Human Communities Sustain Genomic Diversity over Microgeographic Scales despite Linguistic Isolation. Molecular Biology and Evolution, 2016, 33, 2273-2284.	8.9	12
70	Western Eurasian genetic influences in the Indonesian archipelago. Quaternary International, 2016, 416, 243-248.	1.5	8
71	Molecular Cloning and Functional Analysis of Gene Clusters for the Biosynthesis of Indole-Diterpenes in Penicillium crustosum and P. janthinellum. Toxins, 2015, 7, 2701-2722.	3.4	33
72	Fungal endophyte infection of ryegrass reprograms host metabolism and alters development. New Phytologist, 2015, 208, 1227-1240.	7.3	165

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73	Reconstructing Past Admixture Processes from Local Genomic Ancestry Using Wavelet Transformation. Genetics, 2015, 200, 469-481.	2.9	24
74	A Core Gene Set Describes the Molecular Basis of Mutualism and Antagonism in <i>Epichloë</i> spp Molecular Plant-Microbe Interactions, 2015, 28, 218-231.	2.6	59
75	A flexible theoretical representation for the temporal dynamics of structured populations as paths on polytope complexes. Journal of Mathematical Biology, 2015, 71, 735-766.	1.9	1
76	HyLiTE: accurate and flexible analysis of gene expression in hybrid and allopolyploid species. BMC Bioinformatics, 2015, 16, 8.	2.6	25
77	Mitochondrial DNA and the Y chromosome suggest the settlement of Madagascar by Indonesian sea nomad populations. BMC Genomics, 2015, 16, 191.	2.8	61
78	A recent bottleneck of Y chromosome diversity coincides with a global change in culture. Genome Research, 2015, 25, 459-466.	5.5	348
79	Draft Genome Sequences of Three Strains of Geobacillus stearothermophilus Isolated from a Milk Powder Manufacturing Plant. Genome Announcements, 2015, 3, .	0.8	5
80	Draft Genome Sequence of the Filamentous Fungus Penicillium paxilli (ATCC 26601). Genome Announcements, 2015, 3, .	0.8	1
81	Relaxed Observance of Traditional Marriage Rules Allows Social Connectivity without Loss of Genetic Diversity. Molecular Biology and Evolution, 2015, 32, 2254-2262.	8.9	14
82	High Frequency Haplotypes are Expected Events, not Historical Figures. F1000Research, 2015, 4, 666.	1.6	3
83	High Frequency Haplotypes are Expected Events, not Historical Figures. F1000Research, 2015, 4, 666.	1.6	4
84	Isolation, contact and social behavior shaped genetic diversity in West Timor. Journal of Human Genetics, 2014, 59, 494-503.	2.3	17
85	Regime Shifts in Balinese <i>Subaks</i> . Current Anthropology, 2014, 55, 232-239.	1.6	12
86	An Interspecific Fungal Hybrid Reveals Cross-Kingdom Rules for Allopolyploid Gene Expression Patterns. PLoS Genetics, 2014, 10, e1004180.	3.5	68
87	Genomes of Plant-Associated Clavicipitaceae. Advances in Botanical Research, 2014, 70, 291-327.	1.1	28
88	Semi-automatic selection of summary statistics for ABC model choice. Statistical Applications in Genetics and Molecular Biology, 2014, 13, 67-82.	0.6	32
89	SMARTPOP: inferring the impact of social dynamics on genetic diversity through high speed simulations. BMC Bioinformatics, 2014, 15, 175.	2.6	5
90	Reconstructing past changes in locus-specific recombination rates. BMC Genetics, 2013, 14, 11.	2.7	4

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91	Climate Change Influenced Female Population Sizes Through Time Across the Indonesian Archipelago. Human Biology, 2013, 85, 135-152.	0.2	18
92	Dothistromin genes at multiple separate loci are regulated by AflR. Fungal Genetics and Biology, 2013, 51, 12-20.	2.1	30
93	Marine resources in MÄori oral tradition: He kai moana, he kai mÄ•te hinengaro. Journal of Marine and Island Cultures, 2013, 2, 59-68.	0.2	16
94	The Indonesian archipelago: an ancient genetic highway linking Asia and the Pacific. Journal of Human Genetics, 2013, 58, 165-173.	2.3	100
95	Plant-Symbiotic Fungi as Chemical Engineers: Multi-Genome Analysis of the Clavicipitaceae Reveals Dynamics of Alkaloid Loci. PLoS Genetics, 2013, 9, e1003323.	3.5	344
96	Fragmentation of an aflatoxinâ€like gene cluster in a forest pathogen. New Phytologist, 2013, 198, 525-535.	7.3	55
97	Climate Change Influenced Female Population Sizes through Time across the Indonesian Archipelago. Human Biology, 2013, 85, 135.	0.2	1
98	The Genomes of the Fungal Plant Pathogens Cladosporium fulvum and Dothistroma septosporum Reveal Adaptation to Different Hosts and Lifestyles But Also Signatures of Common Ancestry. PLoS Genetics, 2012, 8, e1003088.	3.5	226
99	A small cohort of Island Southeast Asian women founded Madagascar. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2761-2768.	2.6	79
100	The Guanine Nucleotide Exchange Factor RIC8 Regulates Conidial Germination through Gα Proteins in Neurospora crassa. PLoS ONE, 2012, 7, e48026.	2.5	20
101	The Domain of the Replicators. Current Anthropology, 2011, 52, 105-125.	1.6	13
102	Genetic continuity across a deeply divergent linguistic contact zone in North Maluku, Indonesia. BMC Genetics, 2011, 12, 100.	2.7	5
103	An ongoing Austronesian expansion in Island Southeast Asia. Journal of Anthropological Archaeology, 2011, 30, 262-272.	1.6	48
104	What triggers grass endophytes to switch from mutualism to pathogenism?. Plant Science, 2011, 180, 190-195.	3.6	135
105	Population growth of Mexican free-tailed bats (Tadarida brasiliensis mexicana) predates human agricultural activity. BMC Evolutionary Biology, 2011, 11, 88.	3.2	19
106	SolexaQA: At-a-glance quality assessment of Illumina second-generation sequencing data. BMC Bioinformatics, 2010, 11, 485.	2.6	1,268
107	A question of scale: Human migrations writ large and small. BMC Biology, 2010, 8, 98.	3.8	13
108	Complete mitochondrial DNA sequences provide new insights into the Polynesian motif and the peopling of Madagascar. European Journal of Human Genetics, 2010, 18, 575-581.	2.8	75

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109	The ratio of human X chromosome to autosome diversity is positively correlated with genetic distance from genes. Nature Genetics, 2010, 42, 830-831.	21.4	90
110	Major East-West Division Underlies Y Chromosome Stratification across Indonesia. Molecular Biology and Evolution, 2010, 27, 1833-1844.	8.9	133
111	Autosomal and X-linked single nucleotide polymorphisms reveal a steep Asian–Melanesian ancestry cline in eastern Indonesia and a sex bias in admixture rates. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1589-1596.	2.6	52
112	Exploring molecular signaling in plant-fungal symbioses using high throughput RNA sequencing. Plant Signaling and Behavior, 2010, 5, 1353-1358.	2.4	8
113	Disruption of Signaling in a Fungal-Grass Symbiosis Leads to Pathogenesis Â. Plant Physiology, 2010, 153, 1780-1794.	4.8	121
114	Ancient Solomon Islands mtDNA: assessing Holocene settlement and the impact of European contact. Journal of Archaeological Science, 2010, 37, 1161-1170.	2.4	10
115	Autosomal Resequence Data Reveal Late Stone Age Signals of Population Expansion in Sub-Saharan African Foraging and Farming Populations. PLoS ONE, 2009, 4, e6366.	2.5	45
116	A new deep branch of eurasian mtDNA macrohaplogroup M reveals additional complexity regarding the settlement of Madagascar. BMC Genomics, 2009, 10, 605.	2.8	44
117	A robust budding model of Balinese water temple networks. World Archaeology, 2009, 41, 112-133.	1.1	28
118	Accuracy of Molecular Dating with the Rho Statistic: Deviations from Coalescent Expectations Under a Range of Demographic Models. Human Biology, 2009, 81, 911-933.	0.2	15
119	ORIGINAL ARTICLE: Coalescent analyses support multiple mainlandâ€ŧoâ€island dispersals in the evolution of Malagasy <i>Triaenops</i> bats (Chiroptera: Hipposideridae). Journal of Biogeography, 2008, 35, 995-1003.	3.0	28
120	Intergenic DNA sequences from the human X chromosome reveal high rates of global gene flow. BMC Genetics, 2008, 9, 76.	2.7	17
121	Accuracy of Molecular Dating with the Rho Statistic: Deviations from Coalescent Expectations Under a Range of Demographic Models. Human Biology, 2008, 80, 335-357.	0.2	63
122	Computational Feature-Sensitive Reconstruction of Language Relationships: Developing the ALINE Distance for Comparative Historical Linguistic Reconstruction. Journal of Quantitative Linguistics, 2008, 15, 340-369.	1.2	27
123	Male dominance rarely skews the frequency distribution of Y chromosome haplotypes in human populations. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11645-11650.	7.1	36
124	Testing for Archaic Hominin Admixture on the X Chromosome: Model Likelihoods for the Modern Human <i>RRM2P4</i> Region From Summaries of Genealogical Topology Under the Structured Coalescent. Genetics, 2008, 178, 427-437.	2.9	27
125	A novel DNA sequence database for analyzing human demographic history. Genome Research, 2008, 18, 1354-1361.	5.5	74
126	Contrasting Signatures of Population Growth for Mitochondrial DNA and Y Chromosomes among Human Populations in Africa. Molecular Biology and Evolution, 2008, 25, 517-525.	8.9	45

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127	Sex-Biased Evolutionary Forces Shape Genomic Patterns of Human Diversity. PLoS Genetics, 2008, 4, e1000202.	3.5	139
128	Recombination-filtered genomic datasets by information maximization. Bioinformatics, 2007, 23, 1851-1853.	4.1	193
129	Coevolution of languages and genes on the island of Sumba, eastern Indonesia. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16022-16026.	7.1	68
130	Inferring Human Population Sizes, Divergence Times and Rates of Gene Flow From Mitochondrial, X and Y Chromosome Resequencing Data. Genetics, 2007, 177, 2195-2207.	2.9	65
131	A Polynesian Motif on the Y Chromosome: Population Structure in Remote Oceania. Human Biology, 2007, 79, 525-535.	0.2	20
132	Minimal hierarchical analysis of global human Y-chromosome SNP diversity by PCR-RFLP. Anthropological Science, 2006, 114, 69-74.	0.4	11
133	Y-chromosome diversity is inversely associated with language affiliation in paired Austronesian- and Papuan-speaking communities from Solomon Islands. American Journal of Human Biology, 2006, 18, 35-50.	1.6	28
134	Indonesian Mitochondrial DNA and Its Opposition to a Pleistocene Era Origin of Proto-Polynesians in Island Southeast Asia. Human Biology, 2005, 77, 179-188.	0.2	26
135	The secreted proteome of necrotrophic Ciborinia camelliae causes nonâ€hostâ€specific virulence. Plant Pathology, 0, , .	2.4	1