

Mary J O'connell

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,501
citations

471509

17
h-index

302126

39
g-index

40
all docs

40
docs citations

40
times ranked

4378
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Ribosome heterogeneity in <i>Drosophila melanogaster</i> gonads through paralog-switching. Nucleic Acids Research, 2022, 50, 2240-2257. | 14.5 | 28 |
| 2 | Spectrum of pathogenic variants and founder effects in amelogenesis imperfecta associated with <i>MMP20</i> . Human Mutation, 2021, 42, 567-576. | 2.5 | 4 |
| 3 | Cytoplasmic long noncoding RNAs are differentially regulated and translated during human neuronal differentiation. Rna, 2021, 27, 1082-1101. | 3.5 | 17 |
| 4 | Adaptive Evolution in TRIF Leads to Discordance between Human and Mouse Innate Immune Signaling. Genome Biology and Evolution, 2021, 13, . | 2.5 | 3 |
| 5 | The role of CAPG in molecular communication between the embryo and the uterine endometrium: Is its function conserved in species with different implantation strategies?. FASEB Journal, 2020, 34, 11015-11029. | 0.5 | 15 |
| 6 | New missense variants in <i>REL</i> causing hypomineralised amelogenesis imperfecta. Clinical Genetics, 2020, 97, 688-695. | 2.0 | 18 |
| 7 | Gene Fusions Derived by Transcriptional Readthrough are Driven by Segmental Duplication in Human. Genome Biology and Evolution, 2019, 11, 2678-2690. | 2.5 | 7 |
| 8 | Strigolactone synthesis is ancestral in land plants, but canonical strigolactone signalling is a flowering plant innovation. BMC Biology, 2019, 17, 70. | 3.8 | 92 |
| 9 | Return to the Sea, Get Huge, Beat Cancer: An Analysis of Cetacean Genomes Including an Assembly for the Humpback Whale (<i>Megaptera novaeangliae</i>). Molecular Biology and Evolution, 2019, 36, 1746-1763. | 8.9 | 75 |
| 10 | Inadvertent Paralog Inclusion Drives Artifactual Topologies and Timetree Estimates in Phylogenomics. Molecular Biology and Evolution, 2019, 36, 1344-1356. | 8.9 | 56 |
| 11 | Paternally Expressed Imprinted Genes under Positive Darwinian Selection in <i>Arabidopsis thaliana</i> . Molecular Biology and Evolution, 2019, 36, 1239-1253. | 8.9 | 18 |
| 12 | Growing old, yet staying young: The role of telomeres in bats' exceptional longevity. Science Advances, 2018, 4, eaao0926. | 10.3 | 120 |
| 13 | Insights into Kinesin-1 Activation from the Crystal Structure of KLC2 Bound to JIP3. Structure, 2018, 26, 1486-1498.e6. | 3.3 | 47 |
| 14 | Mind the gaps in cellular evolution. Nature, 2017, 541, 297-299. | 27.8 | 8 |
| 15 | Surface layer proteins from virulent <i>Clostridium difficile</i> ribotypes exhibit signatures of positive selection with consequences for innate immune response. BMC Evolutionary Biology, 2017, 17, 90. | 3.2 | 19 |
| 16 | Why prokaryotes have pangenomes. Nature Microbiology, 2017, 2, 17040. | 13.3 | 327 |
| 17 | Reply to "The population genetics of pangenomes". Nature Microbiology, 2017, 2, 1575-1575. | 13.3 | 11 |
| 18 | Transcriptional profiling of the ovine abomasal lymph node reveals a role for timing of the immune response in gastrointestinal nematode resistance. Veterinary Parasitology, 2016, 224, 96-108. | 1.8 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | The Interrelationships of Placental Mammals and the Limits of Phylogenetic Inference. <i>Genome Biology and Evolution</i> , 2016, 8, 330-344. | 2.5 | 195 |
| 20 | An active second dihydrofolate reductase enzyme is not a feature of rat and mouse, but they do have activity in their mitochondria. <i>FEBS Letters</i> , 2015, 589, 1855-1862. | 2.8 | 5 |
| 21 | Insights into the Evolution of Longevity from the Bowhead Whale Genome. <i>Cell Reports</i> , 2015, 10, 112-122. | 6.4 | 280 |
| 22 | Adaptive Evolution as a Predictor of Species-Specific Innate Immune Response. <i>Molecular Biology and Evolution</i> , 2015, 32, 1717-1729. | 8.9 | 39 |
| 23 | The ring of life hypothesis for eukaryote origins is supported by multiple kinds of data. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140323. | 4.0 | 19 |
| 24 | Response to <i>Teladorsagia circumcincta</i> infection in Scottish Blackface lambs with divergent phenotypes for nematode resistance. <i>Veterinary Parasitology</i> , 2014, 206, 200-207. | 1.8 | 28 |
| 25 | Population Genomics Reveal Recent Speciation and Rapid Evolutionary Adaptation in Polar Bears. <i>Cell</i> , 2014, 157, 785-794. | 28.9 | 363 |
| 26 | The hybrid nature of the Eukaryota and a consilient view of life on Earth. <i>Nature Reviews Microbiology</i> , 2014, 12, 449-455. | 28.6 | 124 |
| 27 | Ghost locus appears. <i>Nature</i> , 2014, 514, 570-571. | 27.8 | 2 |
| 28 | Evolution of sweet taste perception in hummingbirds by transformation of the ancestral umami receptor. <i>Science</i> , 2014, 345, 929-933. | 12.6 | 169 |
| 29 | Heterogeneous Models Place the Root of the Placental Mammal Phylogeny. <i>Molecular Biology and Evolution</i> , 2013, 30, 2145-2156. | 8.9 | 115 |
| 30 | Functional Consequence of Positive Selection Revealed through Rational Mutagenesis of Human Myeloperoxidase. <i>Molecular Biology and Evolution</i> , 2012, 29, 2039-2046. | 8.9 | 14 |
| 31 | In <i>Arabidopsis thaliana</i> codon volatility scores reflect GC3 composition rather than selective pressure. <i>BMC Research Notes</i> , 2012, 5, 359. | 1.4 | 4 |
| 32 | The public goods hypothesis for the evolution of life on Earth. <i>Biology Direct</i> , 2011, 6, 41. | 4.6 | 74 |
| 33 | Selection and the Cell Cycle: Positive Darwinian Selection in a Well-Known DNA Damage Response Pathway. <i>Journal of Molecular Evolution</i> , 2010, 71, 444-457. | 1.8 | 16 |
| 34 | The phylogeny of the mammalian heme peroxidases and the evolution of their diverse functions. <i>BMC Evolutionary Biology</i> , 2008, 8, 101. | 3.2 | 31 |
| 35 | Gamma Chain Receptor Interleukins: Evidence for Positive Selection Driving the Evolution of Cell-to-Cell Communicators in the Mammalian Immune System. <i>Journal of Molecular Evolution</i> , 2005, 61, 608-619. | 1.8 | 14 |
| 36 | Adaptive evolution of the human fatty acid synthase gene: Support for the cancer selection and fat utilization hypotheses?. <i>Gene</i> , 2005, 360, 151-159. | 2.2 | 6 |

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|----|---|-----|-----------|
| 37 | 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 |