# Irisarri, Iker

List of Publications by Year
in descending order



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|---|---|---|---|
| 43 papers | 1,999 citations | 257429 24 h-index | 276858 41 g-index |
| 74 all docs | 74 docs citations | 74 times ranked | 2850 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Crossroads in the evolution of plant specialized metabolism. Seminars in Cell and Developmental Biology, 2023, 134, 37-58. | 5.0 | 39 |
| 2 | Functional genomics of abiotic environmental adaptation in lacertid lizards and other vertebrates. Journal of Animal Ecology, 2022, 91, 1163-1179. | 2.8 | 4 |
| 3 | Plant genome sequence assembly in the era of long reads: Progress, challenges and future directions. Quantitative Plant Biology, 2022, 3, . | 2.0 | 37 |
| 4 | Widespread occurrence of covalent lysineâ€“cysteine redox switches in proteins. Nature Chemical Biology, 2022, 18, 368-375. | 8.0 | 34 |
| 5 | Punctuated ancestral gene gains in streptophyte evolution. Molecular Plant, 2022, , . | 8.3 | 0 |
| 6 | Extensive introgression at late stages of species formation: Insights from grasshopper hybrid zones. Molecular Ecology, 2022, 31, 2384-2399. | 3.9 | 8 |
| 7 | Different patterns of gene evolution underpin waterâ€related innovations in land plants. New Phytologist, 2022, , . | 7.3 | 0 |
| 8 | A Phylogenomic Backbone for Gastropod Molluscs. Systematic Biology, 2022, 71, 1271-1280. | 5.6 | 8 |
| 9 | Phylogenomics of trophically diverse cichlids disentangles processes driving adaptive radiation and repeated trophic transitions. Ecology and Evolution, 2022, 12, . | 1.9 | 5 |
| 10 | Phylotranscriptomic evidence for pervasive ancient hybridization among Old World salamanders. Molecular Phylogenetics and Evolution, 2021, 155, 106967. | 2.7 | 22 |
| 11 | A molecular timescale for eukaryote evolution with implications for the origin of red algal-derived plastids. Nature Communications, 2021, 12, 1879. | 12.8 | 124 |
| 12 | Phylogenomic Insights into the Origin of Primary Plastids. Systematic Biology, 2021, 71, 105-120. | 5.6 | 22 |
| 13 | The genome of the venomous snail Lautoconus ventricosus sheds light on the origin of conotoxin diversity. GigaScience, 2021, 10, . | 6.4 | 29 |
| 14 | The evolution of the phenylpropanoid pathway entailed pronounced radiations and divergences of enzyme families. Plant Journal, 2021, 107, 975-1002. | 5.7 | 67 |
| 15 | Phylogenomics and evolutionary history of Oreobates (Anura: Craugastoridae) Neotropical frogs along elevational gradients. Molecular Phylogenetics and Evolution, 2021, 161, 107167. | 2.7 | 1 |
| 16 | Giant lungfish genome elucidates the conquest of land by vertebrates. Nature, 2021, 590, 284-289. | 27.8 | 132 |
| 17 | Automated Removal of Non-homologous Sequence Stretches with PREQUAL. Methods in Molecular Biology, 2021, 2231, 147-162. | 0.9 | 0 |
| 18 | Underwater CAM photosynthesis elucidated by Isoetes genome. Nature Communications, 2021, 12, 6348. | 12.8 | 56 |

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|---|---|---|---|
| 19 | Initial Phylotranscriptomic Confirmation of Homoplastic Evolution of the Conspicuous Coloration and Bufoniform Morphology of Pumpkin-Toadlets in the Genus Brachycephalus. Toxins, 2021, 13, 816. | 3.4 | 3 |
| 20 | Unexpected cryptic species among streptophyte algae most distant to land plants. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20212168. | 2.6 | 22 |
| 21 | Historical isolation facilitates species radiation by sexual selection: Insights from Chorthippus grasshoppers. Molecular Ecology, 2020, 29, 4985-5002. | 3.9 | 18 |
| 22 | Sarcopterygian fin ontogeny elucidates the origin of hands with digits. Science Advances, 2020, 6, eabc3510. | 10.3 | 28 |
| 23 | A mitogenomic phylogeny of chitons (Mollusca: Polyplacophora). BMC Evolutionary Biology, 2020, 20, 22. | 3.2 | 35 |
| 24 | Conotoxin Diversity in the Venom Gland Transcriptome of the Magicianâ€™s Cone, Pionoconus magus. Marine Drugs, 2019, 17, 553. | 4.6 | 22 |
| 25 | Environmental temperatures shape thermal physiology as well as diversification and genome-wide substitution rates in lizards. Nature Communications, 2019, 10, 4077. | 12.8 | 89 |
| 26 | New patellogastropod mitogenomes help counteracting long-branch attraction in the deep phylogeny of gastropod mollusks. Molecular Phylogenetics and Evolution, 2019, 133, 12-23. | 2.7 | 50 |
| 27 | PREQUAL: detecting non-homologous characters in sets of unaligned homologous sequences. Bioinformatics, 2018, 34, 3929-3930. | 4.1 | 96 |
| 28 | Phylogenomics uncovers early hybridization and adaptive loci shaping the radiation of Lake Tanganyika cichlid fishes. Nature Communications, 2018, 9, 3159. | 12.8 | 162 |
| 29 | Animal tracking meets migration genomics: transcriptomic analysis of a partially migratory bird species. Molecular Ecology, 2017, 26, 3204-3216. | 3.9 | 48 |
| 30 | Inferring the shallow phylogeny of true salamanders (Salamandra) by multiple phylogenomic approaches. Molecular Phylogenetics and Evolution, 2017, 115, 16-26. | 2.7 | 44 |
| 31 | Phylotranscriptomic consolidation of the jawed vertebrate timetree. Nature Ecology and Evolution, 2017, 1, 1370-1378. | 7.8 | 247 |
| 32 | The Identification of the Closest Living Relative(s) of Tetrapods: Phylogenomic Lessons for Resolving Short Ancient Internodes. Systematic Biology, 2016, 65, 1057-1075. | 5.6 | 45 |
| 33 | The complete mitochondrial genomes of the GalÃ¡pagos iguanas, Amblyrhynchus cristatus and Conolophus subcristatus. Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 3699-3700. | 0.7 | 7 |
| 34 | Molecular Evolution of the Neural Crest Regulatory Network in Ray-Finned Fish. Genome Biology and Evolution, 2015, 7, 3033-3046. | 2.5 | 8 |
| 35 | Genomics of Adaptation to Multiple Concurrent Stresses: Insights from Comparative Transcriptomics of a Cichlid Fish from One of Earthâ€™s Most Extreme Environments, the Hypersaline Soda Lake Magadi in Kenya, East Africa. Journal of Molecular Evolution, 2015, 81, 90-109. | 1.8 | 42 |
| 36 | Molecular phylogeny of Acanthochitonina (Mollusca: Polyplacophora: Chitonida): three new mitochondrial genomes, rearranged gene orders and systematics. Journal of Natural History, 2014, 48, 2825-2853. | 0.5 | 31 |

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|---|---|---|---|
| 37 | The complete mitochondrial genome of Scutopus ventrolineatus (Mollusca: Chaetodermomorpha) supports the Aculifera hypothesis. BMC Evolutionary Biology, 2014, 14, 197. | 3.2 | 20 |
| 38 | Diversity and evolution of membrane intrinsic proteins. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1468-1481. | 2.4 | 199 |
| 39 | The complete mitoc genome of Scutopus ventrolineatus (Mollusca: Chaetodermomorpha) supports the Aculifera hypothesis. BMC Evolutionary Biology, 2014, 14, 197. | 3.2 | 16 |
| 40 | A multigene species tree for Western Mediterranean painted frogs (Discoglossus). Molecular Phylogenetics and Evolution, 2012, 64, 690-696. | 2.7 | 29 |
| 41 | The origin of modern frogs (Neobatrachia) was accompanied by acceleration in mitochondrial and nuclear substitution rates. BMC Genomics, 2012, 13, 626. | 2.8 | 53 |
| 42 | Reversal to air-driven sound production revealed by a molecular phylogeny of tongueless frogs, family Pipidae. BMC Evolutionary Biology, 2011, 11, 114. | 3.2 | 47 |
| 43 | The complete mitochondrial genome of the relict frogLeiopelma archeyi: Insights into the root of the frog Tree of Life. Mitochondrial DNA, 2010, 21, 173-182. | 0.6 | 32 |