

Antonio Carapelli

List of Publications by Year in descending order

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80
papers

2,092
citations

257357

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docs citations

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times ranked

1741
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Hexapod Origins: Monophyletic or Paraphyletic?. <i>Science</i> , 2003, 299, 1887-1889. | 6.0 | 349 |
| 2 | Population structure and colonization history of the olive fly, <i>Bactrocera oleae</i> (Diptera.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (T</i> | 2.0 | 174 |
| 3 | The Complete Mitochondrial DNA Sequence of the Basal Hexapod <i>Tetrodonthora bielensis</i> : Evidence for Heteroplasmy and tRNA Translocations. <i>Molecular Biology and Evolution</i> , 2001, 18, 1293-1304. | 3.5 | 161 |
| 4 | Phylogenetic analysis of mitochondrial protein coding genes confirms the reciprocal paraphyly of Hexapoda and Crustacea. <i>BMC Evolutionary Biology</i> , 2007, 7, S8. | 3.2 | 137 |
| 5 | The mitochondrial genome of the olive fly <i>Bactrocera oleae</i> : two haplotypes from distant geographical locations. <i>Insect Molecular Biology</i> , 2003, 12, 605-611. | 1.0 | 98 |
| 6 | Domestication of olive fly through a multi-regional host shift to cultivated olives: Comparative dating using complete mitochondrial genomes. <i>Molecular Phylogenetics and Evolution</i> , 2010, 57, 678-686. | 1.2 | 93 |
| 7 | Contrasting phylogeographical patterns for springtails reflect different evolutionary histories between the Antarctic Peninsula and continental Antarctica. <i>Journal of Biogeography</i> , 2010, 37, 103-119. | 1.4 | 70 |
| 8 | High divergence across the whole mitochondrial genome in the â€œpan-Antarcticâ€•springtail <i>Friesea grisea</i> : Evidence for cryptic species?. <i>Gene</i> , 2010, 449, 30-40. | 1.0 | 65 |
| 9 | The complete mitochondrial genome of the Antarctic springtail <i>Cryptopygus antarcticus</i> (Hexapoda:) <i>Tj ETQq1 1 0.784314 rgBT /Ove</i> | 1.2 | 43 |
| 10 | Large Amounts of Genetic Divergence among Italian Species of the Genus <i>Orchesella</i> (Insecta,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38</i> | 1.2 | 38 |
| 11 | Extreme Glacial Legacies: A Synthesis of the Antarctic Springtail Phylogeographic Record. <i>Insects</i> , 2011, 2, 62-82. | 1.0 | 38 |
| 12 | The mitochondrial genome of the entomophagous endoparasite <i>Xenos vesparum</i> (Insecta:) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T</i> | 1.0 | 36 |
| 13 | Molecular phylogeny of the apterygotan insects based on nuclear and mitochondrial genes. <i>Pedobiologia</i> , 2000, 44, 361-373. | 0.5 | 35 |
| 14 | Sperm accessory microtubules suggest the placement of <i>Diplura</i> as the sister-group of Insecta s.s.. <i>Arthropod Structure and Development</i> , 2011, 40, 77-92. | 0.8 | 35 |
| 15 | Large-scale spatial patterns in the distribution of <i>Collembola</i> (Hexapoda) species in Antarctic terrestrial ecosystems. <i>Journal of Biogeography</i> , 2009, 36, 879-886. | 1.4 | 33 |
| 16 | The use of genetic markers for the diagnosis of sibling species in the genus <i>Isotomurus</i> (Insecta,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i> | 0.3 | 32 |
| 17 | Sperm structure and spermiogenesis in <i>Coletinia</i> sp. (Nicoletiidae, Zygentoma, Insecta) with a comparative analysis of sperm structure in <i>Zygentoma</i> . <i>Tissue and Cell</i> , 2004, 36, 233-244. | 1.0 | 30 |
| 18 | The mitochondrial genomes of <i>Campodea fragilis</i> and <i>Campodea lubbocki</i> (Hexapoda: Diplura): High genetic divergence in a morphologically uniform taxon. <i>Gene</i> , 2006, 381, 49-61. | 1.0 | 28 |

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|----|--|-----|-----------|
| 19 | The mitochondrial genome of <i>Sinentomon erythranum</i> (Arthropoda: Hexapoda: Protura): an example of highly divergent evolution. <i>BMC Evolutionary Biology</i> , 2011, 11, 246. | 3.2 | 28 |
| 20 | Geographical distribution and evolutionary history of organophosphate-resistant Ace alleles in the olive fly (<i>Bactrocera oleae</i>). <i>Insect Biochemistry and Molecular Biology</i> , 2006, 36, 593-602. | 1.2 | 27 |
| 21 | A review of molecular data for the phylogeny of basal hexapods. <i>Pedobiologia</i> , 2006, 50, 191-204. | 0.5 | 26 |
| 22 | Testing for misleading effects in the phylogenetic reconstruction of ancient lineages of hexapods: influence of character dependence and character choice in analyses of 28S rRNA sequences. <i>Zoologica Scripta</i> , 2009, 38, 155-170. | 0.7 | 26 |
| 23 | Population structure of <i>Friesea grisea</i> (Collembola, Neanuridae) in the Antarctic Peninsula and Victoria Land: evidence for local genetic differentiation of pre-Pleistocene origin. <i>Antarctic Science</i> , 2010, 22, 757-765. | 0.5 | 26 |
| 24 | Mitochondrial Genome Diversity in Collembola: Phylogeny, Dating and Gene Order. <i>Diversity</i> , 2019, 11, 169. | 0.7 | 25 |
| 25 | The complete mitochondrial genome of <i>Atelura formicaria</i> (Hexapoda: Zygentoma) and the phylogenetic relationships of basal insects. <i>Gene</i> , 2009, 439, 25-34. | 1.0 | 24 |
| 26 | EZmito: a simple and fast tool for multiple mitogenome analyses. <i>Mitochondrial DNA Part B: Resources</i> , 2021, 6, 1101-1109. | 0.2 | 23 |
| 27 | Relationships between hexapods and crustaceans based on four mitochondrial genes. <i>Crustacean Issues</i> , 2005, , 295-306. | 0.9 | 22 |
| 28 | Evidence for Cryptic Diversity in the "Pan-Antarctic" Springtail <i>Friesea antarctica</i> and the Description of Two New Species. <i>Insects</i> , 2020, 11, 141. | 1.0 | 22 |
| 29 | Sperm structure and spermiogenesis in <i>Atelura formicaria</i> Heyden (Zygentoma, Insecta). <i>Acta Zoologica</i> , 2002, 83, 245-262. | 0.6 | 18 |
| 30 | Taxonomic revision of 14 south-western European species of <i>Isotomurus</i> (Collembola, Isotomidae), with description of four new species and the designation of the neotype for <i>I. palustris</i> . <i>Zoologica Scripta</i> , 2001, 30, 115-143. | 0.7 | 16 |
| 31 | Population genetics of three sympatric springtail species (Hexapoda: Collembola) from the South Shetland Islands: evidence for a common biogeographic pattern. <i>Biological Journal of the Linnean Society</i> , 2017, 120, 788-803. | 0.7 | 15 |
| 32 | Mitogenomic data to study the taxonomy of Antarctic springtail species (Hexapoda: Collembola) and their adaptation to extreme environments. <i>Polar Biology</i> , 2019, 42, 715-732. | 0.5 | 15 |
| 33 | An assessment of the value of nuclear and mitochondrial genes in elucidating the origin and evolution of <i>Isotoma klovstadi</i> Carpenter (Insecta, Collembola). <i>Antarctic Science</i> , 1999, 11, 160-174. | 0.5 | 14 |
| 34 | Response to Comment on "Hexapod Origins: Monophyletic or Paraphyletic?". <i>Science</i> , 2003, 301, 1482e-1482. | 6.0 | 14 |
| 35 | Secondary structure, high variability and conserved motifs for domain III of 12S rRNA in the Arthropoena (Hexapoda; Collembola). <i>Insect Molecular Biology</i> , 2004, 13, 659-670. | 1.0 | 14 |
| 36 | Aberrant spermatogenesis and sex determination in Bourletiellidae (Hexapoda, Collembola), and their evolutionary significance. <i>Zoomorphology</i> , 2001, 120, 237-245. | 0.4 | 13 |

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|----|--|-----|-----------|
| 37 | Repeated regions in mitochondrial genomes: Distribution, origin and evolutionary significance. <i>Mitochondrion</i> , 2012, 12, 483-491. | 1.6 | 13 |
| 38 | Non-sibling parasites (Strepsiptera) develop together in the same paper wasp. <i>Parasitology</i> , 2008, 135, 705-713. | 0.7 | 12 |
| 39 | First record of gregarines (Apicomplexa) in seminal vesicle of insect. <i>Scientific Reports</i> , 2017, 7, 175. | 1.6 | 12 |
| 40 | Re-Evaluating the Internal Phylogenetic Relationships of Collembola by Means of Mitogenome Data. <i>Genes</i> , 2021, 12, 44. | 1.0 | 12 |
| 41 | High levels of genetic structuring in the Antarctic springtail <i>Cryptopygus terranovus</i> . <i>Antarctic Science</i> , 2017, 29, 311-323. | 0.5 | 11 |
| 42 | New data on the <i>Zygentoma</i> (Insecta, Apterygota) from Italy. <i>Pedobiologia</i> , 2000, 44, 320-332. | 0.5 | 10 |
| 43 | Assessing species boundaries and evolutionary relationships in a group of south-western European species of <i>Isotomurus</i> (Collembola, Isotomidae) using allozyme data. <i>Zoologica Scripta</i> , 2005, 34, 71-79. | 0.7 | 10 |
| 44 | DNA sequence analysis to study the evolution of Antarctic Collembola. <i>Italian Journal of Zoology</i> , 2000, 67, 133-139. | 0.6 | 9 |
| 45 | A <i>Cardinium</i> -like symbiont in the proturan <i>Acerella muscorum</i> (Hexapoda). <i>Tissue and Cell</i> , 2011, 43, 151-156. | 1.0 | 9 |
| 46 | The complete mitochondrial genome of the Antarctic sea spider <i>Ammothea carolinensis</i> (Chelicerata). <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i> | 0.5 | 9 |
| 47 | Bacterial and fungal diversity in the gut of polystyrene-fed <i>Alphitobius diaperinus</i> (Insecta). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i> | 0.2 | 9 |
| 48 | Bayesian Phylogeny on Grid. <i>Communications in Computer and Information Science</i> , 2008, , 404-416. | 0.4 | 9 |
| 49 | Cryptic Diversity Hidden within the Leafminer Genus <i>Liriomyza</i> (Diptera: Agromyzidae). <i>Genes</i> , 2018, 9, 554. | 1.0 | 8 |
| 50 | Molecular Comparison among Three Antarctic Endemic Springtail Species and Description of the Mitochondrial Genome of <i>Friesea gretae</i> (Hexapoda, Collembola). <i>Diversity</i> , 2020, 12, 450. | 0.7 | 8 |
| 51 | Population structure, gene flow and evolutionary relationships in four species of the genera <i>Tomocerus</i> and <i>Pogonognathellus</i> (Collembola, Tomoceridae). <i>Biological Journal of the Linnean Society</i> , 2000, 70, 221-238. | 0.7 | 7 |
| 52 | Acetylcholinesterase genes in the basal Hexapod <i>Orchesella villosa</i> . <i>Insect Molecular Biology</i> , 2009, 18, 45-54. | 1.0 | 5 |
| 53 | Allozyme variation in the springtails <i>Allacma fusca</i> and <i>A. gallica</i> (Collembola, Sminthuridae). <i>Pedobiologia</i> , 2009, 52, 309-324. | 0.5 | 5 |
| 54 | Redescription and neotype designation of the Antarctic springtail <i>Folsomotoma octooculata</i> (Collembola: Isotomidae). <i>Zootaxa</i> , 2018, 4392, 392-400. | 0.2 | 5 |

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|----|---|-----|-----------|
| 55 | Going Deeper into High and Low Phylogenetic Relationships of Protura. <i>Genes</i> , 2019, 10, 292. | 1.0 | 5 |
| 56 | The complete mitochondrial genome of the springtail <i>Allacma fusca</i> , the internal phylogenetic relationships and gene order of Symphyleona. <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 3103-3105. | 0.2 | 5 |
| 57 | Evidence for strong environmental control on bacterial microbiomes of Antarctic springtails. <i>Scientific Reports</i> , 2021, 11, 2973. | 1.6 | 5 |
| 58 | Two New Species of the Mite Genus <i>Stereotydeus</i> Berlese, 1901 (Prostigmata: Penthalodidae) from Victoria Land, and a Key for Identification of Antarctic and Sub-Antarctic Species. <i>Taxonomy</i> , 2021, 1, 116-141. | 0.4 | 5 |
| 59 | Overlooked Species Diversity and Distribution in the Antarctic Mite Genus <i>Stereotydeus</i> . <i>Diversity</i> , 2021, 13, 506. | 0.7 | 5 |
| 60 | <i>Desoria calderonis</i> sp. nov., a new species of alpine cryophilic springtail (Collembola: Isotomidae) from the Apennines (Italy), with phylogenetic and ecological considerations. <i>European Journal of Taxonomy</i> , 0, 787, 32-52. | 0.6 | 5 |
| 61 | Assessing the Efficiency of Molecular Markers for the Species Identification of Gregarines Isolated from the Mealworm and Super Worm Midgut. <i>Microorganisms</i> , 2018, 6, 119. | 1.6 | 4 |
| 62 | Relationship between secondary metabolites and infestations caused by chickpea leafminer <i>Liriomyza cicerina</i> (Diptera:Agromyzidae). <i>International Journal of Tropical Insect Science</i> , 2021, 41, 251-259. | 0.4 | 4 |
| 63 | Genetic diversity in clustered colonies of an Antarctic marine mesopredator: a role for habitat quality?. <i>Antarctic Science</i> , 2021, 33, 233-242. | 0.5 | 4 |
| 64 | Microsporidia in the springtail <i>Isotomurus fucicolus</i> (Collembola, Isotomidae) and possible pathways of parasite transmission. <i>Italian Journal of Zoology</i> , 2002, 69, 109-113. | 0.6 | 3 |
| 65 | Secondary structure and sequence variation of the 28S rRNA gene in the Neanuridae, and its utility as a phylogenetic marker. <i>Proceedings of the Xth international Colloquium on Apterygota, Ceske Budovjovice 2000: Apterygota at the Beginning of the Third Millennium</i> . <i>Pedobiologia</i> , 2002, 46, 274-283. | 0.5 | 3 |
| 66 | The mitogenome of the jumping bristletail <i>Trigoniophthalmus alternatus</i> (Insecta, Microcoryphia) and the phylogeny of insect early-divergent lineages. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 2855-2856. | 0.2 | 3 |
| 67 | Microhabitats, macro-differences: a survey of temperature records in Victoria Land terrestrial and freshwater environments. <i>Antarctic Science</i> , 2022, 34, 256-265. | 0.5 | 3 |
| 68 | Seasonal incidence of the leaf miner <i>Liriomyza cicerina</i> Rond (Diptera: Agromyzidae) in chickpea fields and effects of climatic parameters, chickpea variety, and planting date on the leaf miner infestation rate. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2020, 5, 1. | 0.6 | 2 |
| 69 | First de novo transcriptome analysis of the Antarctic springtail <i>Cryptopygus terranovus</i> (Collembola:). <i>TJ ETQq1 1 0.784314 rgBT /Ove</i> | 0.5 | 2 |
| 70 | Taxonomic diagnosis of <i>Dicyrtomina ornata</i> and <i>D. saundersi</i> (Collembola: Dicyrtomidae) and analysis of their population genetic structure. <i>Zootaxa</i> , 0, 10, 1. | 0.2 | 1 |
| 71 | Internal consistency as a method to assess the quality of dating estimates using multiple markers. <i>Molecular Phylogenetics and Evolution</i> , 2012, 62, 874-879. | 1.2 | 1 |
| 72 | MtPAN3: Site-class specific amino acid replacement matrices for mitochondrial proteins of Pancrustacea and Collembola. <i>Molecular Phylogenetics and Evolution</i> , 2014, 75, 239-244. | 1.2 | 1 |

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|----|---|------|-----------|
| 73 | Stachorutes najtae n. sp., a new psammophile species of Collembola from Italy (Neanuridae,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 547 | 0.52 | 1 |
| 74 | The mitochondrial genome of the springtail <i>Bourletiella arvalis</i> (Symphypleona, Collembola). Mitochondrial DNA Part B: Resources, 2019, 4, 2978-2979. | 0.2 | 1 |
| 75 | The mitogenome of the true bug <i>Nysius cymoides</i> (Insecta, Heteroptera) and the phylogeny of Lygaeoidea. Mitochondrial DNA Part B: Resources, 2021, 6, 2366-2368. | 0.2 | 1 |
| 76 | Reliability of Molecular Sex Identification in the AdÃ©lie Penguin (Pygoscelis adeliae) from DNA-Poor Samples. Waterbirds, 2020, 43, . | 0.2 | 1 |
| 77 | A new cave-dwelling species of Deuteraphorura from northern Italy (Collembola, Onychiuridae). ZooKeys, 2018, 739, 29-39. | 0.5 | 1 |
| 78 | Characterization of the complete mitochondrial genome of Neoasterolepisma foreli (Insecta:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Resources, 2021, 6, 119-121. | 0.2 | 0 |
| 79 | Investigating the Diversity of the Terrestrial Invertebrate Fauna of Antarctica: A Closer Look at the Stereotydeus (Acari: Prostigmata) Genus. , 2021, 2, . | | 0 |
| 80 | The complete mitochondrial genome of <i>Trissolcus japonicus</i> (Hymenoptera: Scelionidae), the candidate for the biological control of <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae). Mitochondrial DNA Part B: Resources, 2021, 6, 2307-2309. | 0.2 | 0 |