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2202	A new phylogenetic method for identifying exceptional phenotypic diversification. 2012 , 66, 135-46		78
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2196	Niche conservatism constrains Australian honeyeater assemblages in stressful environments. 2013 , 16, 1186-94		39
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2188	Bite of the cats: relationships between functional integration and mechanical performance as revealed by mandible geometry. 2013 , 62, 878-900	53
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2178	Laterality and the evolution of the prefronto-cerebellar system in anthropoids. 2013 , 1288, 59-69	22
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2171	Linking life-history traits, ecology, and niche breadth evolution in North American eriogonoids (Polygonaceae). 2013 , 182, 760-74	19
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2169	The evolution of viviparity opens opportunities for lizard radiation but drives it into a climatic cul-de-sac. 2013 , 22, 857-867	65
2168	Effects of ornamentation and phylogeny on the evolution of wing shape in stalk-eyed flies (Diopsidae). 2013 , 26, 1281-93	7
2167	Sexual selection on brain size in shorebirds (Charadriiformes). 2013 , 26, 878-88	12
2166	Convergent evolution of sexual dimorphism in skull shape using distinct developmental strategies. 2013 , 67, 2180-93	58
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2164	Bergmann's rule in mammals: a cross-species interspecific pattern. 2013 , 122, no-no	20
2163	The evolution of locomotor rhythmicity in tetrapods. 2013 , 67, 1209-17	15
2162	Phylogenetic patterns of skeletal morphometrics and pelvic traits in relation to locomotor mode in frogs. 2013 , 26, 929-43	44
2161	Evolution of viviparity: a phylogenetic test of the cold-climate hypothesis in phrynosomatid lizards. 2013 , 67, 2614-30	43
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2159	Phylogenetic signal in the acoustic parameters of the advertisement calls of four clades of anurans. 2013 , 13, 134	33

2158	Nuclear DNA content variation and evolution in liverworts. 2013 , 68, 619-27	22
2157	Phylogeny as a proxy for ecology in seagrass amphipods: which traits are most conserved?. 2013 , 8, e57550	32
2156	Getting a grip on the evolution of grasping in musteloid carnivorans: a three-dimensional analysis of forelimb shape. 2013 , 26, 1521-35	61
2155	Contrasting changes in taxonomic, phylogenetic and functional diversity during a long-term succession: insights into assembly processes. 2013 , 101, 857-866	206
2154	Evolutionary conservatism and convergence both lead to striking similarity in ecology, morphology and performance across continents in frogs. 2013 , 280, 20132156	74
2153	Phylogenetic signal in primate behaviour, ecology and life history. 2013 , 368, 20120341	274
2152	Explaining the distribution of breeding and dispersal syndromes in conifers. 2013 , 280, 20131812	27
2151	Ecological and dietary correlates of stable hydrogen isotope ratios in fur and body water of syntopic tropical bats. 2013 , 94, 346-55	11
2150	Analysis of phenotypic evolution in Dictyostelia highlights developmental plasticity as a likely consequence of colonial multicellularity. 2013 , 280, 20130976	42
2149	Brain reorganization, not relative brain size, primarily characterizes anthropoid brain evolution. 2013 , 280, 20130269	76
2148	Key ornamental innovations facilitate diversification in an avian radiation. 2013 , 110, 10687-92	107
2147	A comment on the use of stochastic character maps to estimate evolutionary rate variation in a continuously valued trait. 2013 , 62, 339-45	17
2146	Historical changes in northeastern US bee pollinators related to shared ecological traits. 2013 , 110, 4656-60	321
2145	The radiation of cynodonts and the ground plan of mammalian morphological diversity. 2013 , 280, 20131865	76
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2143	Lake Malawi cichlid evolution along a benthic/limnetic axis. 2013 , 3, 2262-72	48
2142	Joint loads in marsupial ankles reflect habitual bipedalism versus quadrupedalism. 2013 , 8, e58811	9
2141	Evolutionary origin of the Scombridae (tunas and mackerels): members of a paleogene adaptive radiation with 14 other pelagic fish families. 2013 , 8, e73535	109

2140	Forearm posture and mobility in quadrupedal dinosaurs. 2013 , 8, e74842	13
2139	Trabecular bone structure correlates with hand posture and use in hominoids. 2013 , 8, e78781	76
2138	Climatic niche evolution in New World monkeys (Platyrrhini). 2013 , 8, e83684	22
2137	DNA content variation and its significance in the evolution of the genus <i>Micrasterias</i> (Desmidiiales, Streptophyta). 2014 , 9, e86247	9
2136	Morphology and efficiency of a specialized foraging behavior, sediment sifting, in neotropical cichlid fishes. 2014 , 9, e89832	26
2135	Adaptation and convergent evolution within the <i>Jamesonia-Eriosorus</i> complex in high-elevation biodiverse Andean hotspots. 2014 , 9, e110618	18
2134	Comparative analysis of Japanese three-spined stickleback clades reveals the Pacific Ocean lineage has adapted to freshwater environments while the Japan Sea has not. 2014 , 9, e112404	16
2133	Major evolutionary trends in hydrogen isotope fractionation of vascular plant leaf waxes. 2014 , 9, e112610	60
2132	Body size, extinction risk and knowledge bias in New World snakes. 2014 , 9, e113429	13
2131	Measuring Evolutionary Isolation for Conservation. 2014 , 9, e113490	38
2130	Genome size evolution in Ontario ferns (Polypodiidae): evolutionary correlations with cell size, spore size, and habitat type and an absence of genome downsizing. 2014 , 57, 555-66	18
2129	The influence of feeding on the evolution of sensory signals: a comparative test of an evolutionary trade-off between masticatory and sensory functions of skulls in southern African horseshoe bats (<i>Rhinolophidae</i>). 2014 , 27, 2829-40	14
2128	RidgeRace: ridge regression for continuous ancestral character estimation on phylogenetic trees. 2014 , 30, i527-33	18
2127	Patterns of diversification amongst tropical regions compared: a case study in Sapotaceae. 2014 , 5, 362	25
2126	The establishment of Central American migratory corridors and the biogeographic origins of seasonally dry tropical forests in Mexico. 2014 , 5, 433	24
2125	Effects of a fire response trait on diversification in replicated radiations. 2014 , 68, 453-65	37
2124	BAMMtools: an R package for the analysis of evolutionary dynamics on phylogenetic trees. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 701-707	7:7 502
2123	Explosive adaptive radiation and extreme phenotypic diversity within ant-nest beetles. 2014 , 24, 2435-9	35

2122	Ecological and evolutionary lability of plant traits affecting carbon and nutrient cycling. 2014 , 102, 302-314	41
2121	Genome size and genomic GC content evolution in the miniature genome-sized family Lentibulariaceae. 2014 , 203, 22-8	36
2120	The community-level effect of light on germination timing in relation to seed mass: a source of regeneration niche differentiation. 2014 , 204, 496-506	40
2119	Comparative genomics reveals insights into avian genome evolution and adaptation. 2014 , 346, 1311-20	628
2118	Species' traits explain differences in Red list status and long-term population trends in longhorn beetles. 2014 , 17, 332-341	15
2117	Carotenoid-dependent signals and the evolution of plasma carotenoid levels in birds. 2014 , 184, 741-51	17
2116	Host specialist clownfishes are environmental niche generalists. 2014 , 281,	15
2115	Distinctive convergence in Australian floral colours seen through the eyes of Australian birds. 2014 , 281, 20132862	31
2114	Two waves of colonization straddling the K-Pg boundary formed the modern reef fish fauna. 2014 , 281, 20140321	23
2113	Evolution of the central sulcus morphology in primates. 2014 , 84, 19-30	32
2112	Species divergence and phylogenetic variation of ecophysiological traits in lianas and trees. 2014 , 9, e99871	7
2111	Fine-scale population structure analysis of seven local Swiss sheep breeds using genome-wide SNP data. 2014 , 55, 67-76	15
2110	Evolution of paedomorphosis in plethodontid salamanders: ecological correlates and re-evolution of metamorphosis. 2014 , 68, 466-82	42
2109	Effects of an adaptive zone shift on morphological and ecological diversification in terapontid fishes. 2014 , 28, 205-227	6
2108	Molecular phylogenetics and the diversification of hummingbirds. 2014 , 24, 910-6	252
2107	A well-constrained estimate for the timing of the salmonid whole genome duplication reveals major decoupling from species diversification. 2014 , 281, 20132881	267
2106	treeNODF: nestedness to phylogenetic, functional and other tree-based diversity metrics. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 563-572	7:7 20
2105	The evolution of seed dormancy: environmental cues, evolutionary hubs, and diversification of the seed plants. 2014 , 203, 300-9	205

2104	Ecological divergence and sexual selection drive sexual size dimorphism in New World pitvipers (Serpentes: Viperidae). 2014 , 27, 760-71	23
2103	Predicting extinction risk of Brazilian Atlantic forest angiosperms. 2014 , 28, 1349-59	52
2102	Landscape evolution and phylogeography of <i>Micrablepharus atticolus</i> (Squamata, Gymnophthalmidae), an endemic lizard of the Brazilian Cerrado. 2014 , 41, 1506-1519	28
2101	Scale-dependent adaptive evolution and morphological convergence to climatic niche in Californian eriogonoids (Polygonaceae). 2014 , 41, 1326-1337	7
2100	Rensch's rule and sexual dimorphism in salamanders: patterns and potential processes. 2014 , 293, 143-151	19
2099	Neutral biogeography and the evolution of climatic niches. 2014 , 183, 573-84	45
2098	A cluster of olfactory receptor genes linked to frugivory in bats. 2014 , 31, 917-27	52
2097	Cool sperm: why some placental mammals have a scrotum. 2014 , 27, 801-14	12
2096	Phylogenetic comparative methods complement discriminant function analysis in ecomorphology. 2014 , 153, 663-74	34
2095	A test of the metabolic theory of ecology with two longevity data sets reveals no common cause of scaling in biological times. 2014 , 44, 204-214	17
2094	Evolutionary history of true crabs (Crustacea: Decapoda: Brachyura) and the origin of freshwater crabs. 2014 , 31, 1173-87	147
2093	Coupling of dietary phosphorus and growth across diverse fish taxa: a meta-analysis of experimental aquaculture studies. 2014 , 95, 2768-2777	40
2092	Three-dimensional shape variation of talar surface morphology in hominoid primates. 2014 , 225, 42-59	16
2091	Functional and evolutionary aspects of axial stability in euarchontans and other mammals. 2014 , 275, 313-27	51
2090	Competition and constraint drove Cope's rule in the evolution of giant flying reptiles. 2014 , 5, 3567	41
2089	The latitudinal species richness gradient in New World woody angiosperms is consistent with the tropical conservatism hypothesis. 2014 , 111, 8125-30	144
2088	Diversity versus disparity and the role of ecological opportunity in a continental bird radiation. 2014 , 41, 1301-1312	36
2087	Genetic degeneration of old and young Y chromosomes in the flowering plant <i>Rumex hastatulus</i> . 2014 , 111, 7713-8	97

2086	Low ecological disparity in Early Cretaceous birds. 2014 , 281,	30
2085	Using an updated time-calibrated family-level phylogeny of seed plants to test for non-random patterns of life forms across the phylogeny. 2014 , 52, 423-430	29
2084	Patterns of sexual size dimorphism in Chelonia: revisiting Kinosternidae. 2014 , 111, 806-809	8
2083	The evolution of the sexually selected sword in Xiphophorus does not compromise aerobic locomotor performance. 2014 , 68, 1806-23	12
2082	Mating Competition, Promiscuity, and Life History Traits as Predictors of Sexually Transmitted Disease Risk in Primates. 2014 , 35, 764-786	13
2081	Ancestral character estimation under the threshold model from quantitative genetics. 2014 , 68, 743-59	77
2080	Quantifying and comparing phylogenetic evolutionary rates for shape and other high-dimensional phenotypic data. 2014 , 63, 166-77	127
2079	Evolution of pollination niches and floral divergence in the generalist plant <i>Erysimum mediohispanicum</i> . 2014 , 113, 237-49	41
2078	Convergent evolution of ecomorphological adaptations in geographically isolated Bay gobies (Teleostei: Gobionellidae) of the temperate North Pacific. 2014 , 70, 464-77	26
2077	Evidence for a multi-peak adaptive landscape in the evolution of trophic morphology in terapontid fishes. 2014 , 113, 623-634	7
2076	Body size distributions at community, regional or taxonomic scales do not predict the direction of trait-driven diversification in snakes in the United States. 2014 , 23, 490-503	8
2075	Small and ugly? Phylogenetic analyses of the "selfing syndrome" reveal complex evolutionary fates of monomorphic primrose flowers. 2014 , 68, 1042-57	33
2074	Dietary Competition in an Extant Mammalian Guild: Application of a Quantitative Method to Evaluate Reconstructed Niche Overlap in Paleocommunities. 2014 , 35, 1222-1252	6
2073	Levers and linkages: mechanical trade-offs in a power-amplified system. 2014 , 68, 1919-33	29
2072	Correlation of quantitative bone histology data with life history and climate: a phylogenetic approach. 2014 , 112, 678-687	10
2071	Coevolution of caudal skeleton and tail feathers in birds. 2014 , 275, 1431-40	3
2070	Do all frogs swim alike? The effect of ecological specialization on swimming kinematics in frogs. 2014 , 217, 3637-44	10
2069	Biting disrupts integration to spur skull evolution in eels. 2014 , 5, 5505	46

- 2068 Transitions in photoperiodic flowering are common and involve few loci in wild sunflowers (*Helianthus*; Asteraceae). **2014**, 101, 1748-58 8
- 2067 enaR: An r package for Ecosystem Network Analysis. *Methods in Ecology and Evolution*, **2014**, 5, 1206-1213 79
- 2066 Brain organization and habitat complexity in *Anolis* lizards. **2014**, 84, 8-18 15
- 2065 Differences in cognitive abilities among primates are concentrated on G: Phenotypic and phylogenetic comparisons with two meta-analytical databases. **2014**, 46, 311-322 52
- 2064 The role of pollinator diversity in the evolution of corolla-shape integration in a pollination-generalist plant clade. **2014**, 369, 20130257 35
- 2063 Does gliding while gravid explain Rensch's rule in flying lizards?. **2014**, 113, 270-282 5
- 2062 Bioclimatic evaluation of geographical range in *Fragaria* (Rosaceae): consequences of variation in breeding system, ploidy and species age. **2014**, 176, 99-114 23
- 2061 Adaptive landscape and functional diversity of Neotropical cichlids: implications for the ecology and evolution of Cichlinae (Cichlidae; Cichliformes). **2014**, 27, 2431-42 34
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- 2059 What drives flexibility in primate social organization?. **2014**, 68, 1677-1692 23
- 2058 The geography of morphological convergence in the radiations of Pacific *Sebastes* rockfishes. **2014**, 184, E115-31 28
- 2057 Lizard scales in an adaptive radiation: variation in scale number follows climatic and structural habitat diversity in *Anolis* lizards. **2014**, 113, 570-579 28
- 2056 Imputation of missing data in life-history trait datasets: which approach performs the best?. *Methods in Ecology and Evolution*, **2014**, 5, 961-970 7-7 155
- 2055 Adaptive processes drive ecomorphological convergent evolution in antwrens (Thamnophilidae). **2014**, 68, 2757-74 24
- 2054 Graphical Methods for Visualizing Comparative Data on Phylogenies. **2014**, 77-103 17
- 2053 A Primer on Phylogenetic Generalised Least Squares. **2014**, 105-130 179
- 2052 Modelling Stabilizing Selection: The Attraction of Ornstein-Uhlenbeck Models. **2014**, 381-393 11
- 2051 Phylogenetic Comparative Methods for Studying Clade-Wide Convergence. **2014**, 425-450 13

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2049	Complexity of ruminant masticatory evolution. 2014 , 275, 1093-102	11
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2047	The energetics of a Malagasy rodent, <i>Macrotrarsomys ingens</i> (Nesomyinae): a test of island and zoogeographical effects on metabolism. 2014 , 184, 1077-89	3
2046	Small-scale spatial variability in phylogenetic community structure during early plant succession depends on soil properties. 2014 , 175, 985-95	17
2045	CopyRighter: a rapid tool for improving the accuracy of microbial community profiles through lineage-specific gene copy number correction. 2014 , 2, 11	158
2044	Early evolution of sexual dimorphism and polygyny in Pinnipedia. 2014 , 68, 1469-84	28
2043	The evolution of bacterial DNA base composition. 2014 , 322, 517-28	27
2042	Estimating tempo and mode of Y chromosome turnover: explaining Y chromosome loss with the fragile Y hypothesis. 2014 , 197, 561-72	29
2041	Modeling the evolution of the cerebellum: from macroevolution to function. 2014 , 210, 193-216	12
2040	Phenotypic integration of brain size and head morphology in Lake Tanganyika Cichlids. 2014 , 14, 39	19
2039	Leaf out times of temperate woody plants are related to phylogeny, deciduousness, growth habit and wood anatomy. 2014 , 203, 1208-1219	84
2038	Phylogeny and forelimb disparity in waterbirds. 2014 , 68, 2847-60	13
2037	Trait decoupling promotes evolutionary diversification of the trophic and acoustic system of damselfishes. 2014 , 281, 20141047	31
2036	Testing the stages model in the adaptive radiation of cichlid fishes in East African Lake Tanganyika. 2014 , 281,	37
2035	Rphylip: an R interface for PHYLIP. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 976-981	7-7 38
2034	Bone histology, phylogeny, and palaeognathous birds (Aves: Palaeognathae). 2014 , 112, 688-700	18
2033	Gradual assembly of avian body plan culminated in rapid rates of evolution across the dinosaur-bird transition. 2014 , 24, 2386-92	179

2032	Character displacement of Cercopithecini primate visual signals. 2014 , 5, 4266	46
2031	The effect of habitat on modern shark diversification. 2014 , 27, 1536-48	57
2030	Evolution of skull and body shape in Triturus newts reconstructed from three-dimensional morphometric data and phylogeny. 2014 , 113, 243-255	18
2029	A Comparative Study of the Reproductive Traits and Floral Morphology of a Genus of Geophytic Cacti. 2014 , 175, 663-680	7
2028	Evaluating evolutionary history in the face of high gene tree discordance in Australian Gehyra (Reptilia: Gekkonidae). 2014 , 113, 52-63	7
2027	Plant functional traits as determinants of population stability. 2014 , 95, 2369-2374	45
2026	Imperfect morphological convergence: variable changes in cranial structures underlie transitions to durophagy in moray eels. 2014 , 183, E168-84	44
2025	The role of ecological opportunity in shaping disparate diversification trajectories in a bicontinental primate radiation. 2014 , 281, 20131979	14
2024	The role of climatic tolerances and seed traits in reduced extinction rates of temperate polygonaceae. 2014 , 68, 1856-70	7
2023	Elemental stoichiometry of Fungi and Bacteria strains from grassland leaf litter. 2014 , 76, 278-285	99
2022	Low scaling of a life history variable: Analysing eutherian gestation periods with and without phylogeny-informed statistics. 2014 , 79, 9-16	34
2021	Geographic differences in effects of experimental warming on ant species diversity and community composition. 2014 , 5, art125	20
2020	New Guinean passerines have globally small clutch-sizes. 2014 , 114, 304-308	5
2019	Diachronic change in Indo-European motion event encoding. 2014 , 4, 40-83	8
2018	The importance of having a partner: male help releases females from time limitation during incubation in birds. 2014 , 11, 24	28
2017	Decoupled evolution of floral traits and climatic preferences in a clade of Neotropical Gesneriaceae. 2015 , 15, 247	15
2016	Exceptional avian herbivores: multiple transitions toward herbivory in the bird order Anseriformes and its correlation with body mass. 2015 , 5, 5016-32	26
2015	The evolutionary dynamics of haplodiploidy: Genome architecture and haploid viability. 2015 , 69, 2971-8	19

2014	The biogeography of fertilization mode in the sea. 2015 , 24, 1499-1509		15
2013	Phylogenetic systematics of leaffishes (Teleostei: Polycentridae, Nandidae). 2015 , 53, 259-272		11
2012	Simultaneously estimating evolutionary history and repeated traits phylogenetic signal: applications to viral and host phenotypic evolution. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 67-82	7.7	15
2011	mvmorph: an r package for fitting multivariate evolutionary models to morphometric data. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 1311-1319	7.7	198
2010	ASSESSING PHENOTYPIC CORRELATION THROUGH THE MULTIVARIATE PHYLOGENETIC LATENT LIABILITY MODEL. 2015 , 9, 969-991		23
2009	Izumo1 and Juno: the evolutionary origins and coevolution of essential sperm-egg binding partners. 2015 , 2, 150296		37
2008	Functional coupling constrains craniofacial diversification in Lake Tanganyika cichlids. 2015 , 11, 20141053		10
2007	Phylogenetic uncertainty can bias the number of evolutionary transitions estimated from ancestral state reconstruction methods. 2015 , 324, 517-24		26
2006	Digging adaptation in insectivorous subterranean eutherians. The enigma of <i>Mesoscolops montanensis</i> unveiled by geometric morphometrics and finite element analysis. 2015 , 276, 1157-71		23
2005	The fragile Y hypothesis: Y chromosome aneuploidy as a selective pressure in sex chromosome and meiotic mechanism evolution. 2015 , 37, 942-50		19
2004	Evolutionary rates across gradients. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 1278-1286	7.7	14
2003	The infrageneric taxonomy of <i>Chaerophyllum</i> (Apiaceae) revisited: new evidence from nuclear ribosomal DNA ITS sequences and fruit anatomy. 2015 , 178, 298-313		6
2002	Do Mediterranean-type ecosystems have a common history?--insights from the Buckthorn family (Rhamnaceae). 2015 , 69, 756-71		34
2001	Tempo and mode of climatic niche evolution in Primates. 2015 , 69, 2496-506		14
2000	Phylogenetic patterns in the geographic distributions of birds support the tropical conservatism hypothesis. 2015 , 24, 1261-1268		22
1999	Rapid evolution of elaborate male coloration is driven by visual system in Australian fairy-wrens (Maluridae). 2015 , 28, 2125-35		18
1998	Hybrid 'superswarm' leads to rapid divergence and establishment of populations during a biological invasion. 2015 , 24, 5394-411		25
1997	Tradeoff between robustness and elaboration in carotenoid networks produces cycles of avian color diversification. 2015 , 10, 45		15

1996	Macroevolutionary developmental biology: Embryos, fossils, and phylogenies. 2015 , 244, 1184-92	13
1995	Trubs, but no trianas: filled and empty regions of angiosperm stem length-diameter-mechanics space. 2015 , 179, 361-373	4
1994	No evidence that sex and transposable elements drive genome size variation in evening primroses. 2015 , 69, 1053-62	26
1993	No substitute for real data: A cautionary note on the use of phylogenies from birth-death polytomy resolvers for downstream comparative analyses. 2015 , 69, 3207-16	86
1992	Convergent evolution across the Australian continent: ecotype diversification drives morphological convergence in two distantly related clades of Australian frogs. 2015 , 28, 2136-51	18
1991	Molecular systematics of gerbils and deomyines (Rodentia: Gerbillinae, Deomyinae) and a test of desert adaptation in the tympanic bulla. 2015 , 53, 312-330	41
1990	Energetic benefits and adaptations in mammalian limbs: Scale effects and selective pressures. 2015 , 69, 1546-1559	7
1989	A trade-off between precopulatory and postcopulatory trait investment in male cetaceans. 2015 , 69, 1560-1572	47
1988	Variation in the shape and mechanical performance of the lower jaws in ceratopsid dinosaurs (Ornithischia, Ceratopsia). 2015 , 227, 631-46	13
1987	Diversification of body shape in <i>Sebastes</i> rockfishes of the north-east Pacific. 2015 , 116, 805-818	18
1986	Climate niche conservatism does not explain restricted distribution patterns in <i>Tynanthus</i> (Bignoniaceae, Bignoniaceae). 2015 , 179, 95-109	6
1985	Ecological constraint and the evolution of sexual dichromatism in darters. 2015 , 69, 1219-31	21
1984	Ancestral state reconstruction of ontogeny supports a bilaterian affinity for <i>Dickinsonia</i> . 2015 , 17, 315-24	53
1983	Evolutionary shifts in habitat aridity predict evaporative water loss across squamate reptiles. 2015 , 69, 2507-16	33
1982	Evolution of the premaxillary fraenum and substratum in snubnose darters and allies (Percidae: <i>Etheostoma</i>). 2015 , 87, 1090-8	1
1981	Femoral condyle curvature is correlated with knee walking kinematics in ungulates. 2015 , 298, 2039-50	4
1980	Feeding performance of king Mackerel, <i>Scomberomorus cavalla</i> . 2015 , 323, 399-413	11
1979	An Evolutionarily Young Polar Bear (<i>Ursus maritimus</i>) Endogenous Retrovirus Identified from Next Generation Sequence Data. 2015 , 7, 6089-107	4

1978	Evolution of courtship display in Estrildid finches: dance in relation to female song and plumage ornamentation. 2015 , 3,	37
1977	Evolution of bower building in Lake Malawi cichlid fish: phylogeny, morphology, and behavior. 2015 , 3,	18
1976	Diversity in olfactory bulb size in birds reflects allometry, ecology, and phylogeny. 2015 , 9, 102	50
1975	Birds flush early and avoid the rush: an interspecific study. 2015 , 10, e0119906	18
1974	It's Not Easy Being Blue: Are There Olfactory and Visual Trade-Offs in Plant Signalling?. 2015 , 10, e0131725	11
1973	The Effect of Host-Plant Phylogenetic Isolation on Species Richness, Composition and Specialization of Insect Herbivores: A Comparison between Native and Exotic Hosts. 2015 , 10, e0138031	12
1972	Seed germination strategies: an evolutionary trajectory independent of vegetative functional traits. 2015 , 6, 731	37
1971	Constant diversification rates of endemic gastropods in ancient Lake Ohrid: ecosystem resilience likely buffers environmental fluctuations. 2015 , 12, 7209-7222	26
1970	Patterns of host plant utilization and diversification in the brush-footed butterflies. 2015 , 69, 589-601	28
1969	Global diversification of a tropical plant growth form: environmental correlates and historical contingencies in climbing palms. 2014 , 5, 452	33
1968	The origin of snakes: revealing the ecology, behavior, and evolutionary history of early snakes using genomics, phenomics, and the fossil record. 2015 , 15, 87	139
1967	Iterative adaptive radiations of fossil canids show no evidence for diversity-dependent trait evolution. 2015 , 112, 4897-902	92
1966	Bony labyrinth morphometry indicates locomotor adaptations in the squirrel-related clade (Rodentia, Mammalia). 2015 , 282, 20150744	46
1965	Hidden diversity in the morphologically variable script lichen (<i>Graphis scripta</i>) complex (Ascomycota, Ostropales, Graphidaceae). 2015 , 15, 447-458	26
1964	A geometric morphometric analysis of acetabular shape of the primate hip joint in relation to locomotor behaviour. 2015 , 83, 15-27	7
1963	Relation between flower head traits and florivory in Asteraceae: a phylogenetically controlled approach. 2015 , 102, 407-16	6
1962	Selection towards different adaptive optima drove the early diversification of locomotor phenotypes in the radiation of Neotropical geophagine cichlids. 2015 , 15, 77	23
1961	Oligocene niche shift, Miocene diversification - cold tolerance and accelerated speciation rates in the St. John's Worts (<i>Hypericum</i> , Hypericaceae). 2015 , 15, 80	41

1960	Adaptation of peroxisome proliferator-activated receptor alpha to hibernation in bats. 2015 , 15, 88	14
1959	Migration and the evolution of sexual dichromatism: evolutionary loss of female coloration with migration among wood-warblers. 2015 , 282, 20150375	28
1958	Life-history traits and shell morphology in the genus <i>Leptoxis</i> Rafinesque, 1819 (Gastropoda: Cerithioidea: Pleuroceridae). 2015 , 81, 85-95	5
1957	windex: Analyzing Convergent Evolution Using the Wicketsheaf Index in R. 2015 , 11, 11-4	18
1956	Leaf economics of evergreen and deciduous tree species along an elevational gradient in a subtropical mountain. 2015 , 7,	23
1955	Phylogenetics, divergence times and diversification from three genomic partitions in monocots. 2015 , 178, 375-393	57
1954	The evolutionary convergence of avian lifestyles and their constrained coevolution with species' ecological niche. 2015 , 282, 20151808	13
1953	Persistent impacts of West Nile virus on North American bird populations. 2015 , 112, 14290-4	47
1952	Population Genomics of Infectious and Integrated <i>Wolbachia pipientis</i> Genomes in <i>Drosophila ananassae</i> . 2015 , 7, 2362-82	21
1951	Cope's Rule and the Universal Scaling Law of Ornament Complexity. 2015 , 186, 165-75	8
1950	Head size, weaponry, and cervical adaptation: Testing craniocervical evolutionary hypotheses in Ceratopsia. 2015 , 69, 1728-44	7
1949	Correlated evolution of microhabitat, morphology, and behavior in West Indian <i>Anolis</i> lizards: a test of the habitat matrix model. 2015 , 152, 1187-1207	9
1948	Organization of the Mammalian Ionome According to Organ Origin, Lineage Specialization, and Longevity. 2015 , 13, 1319-1326	43
1947	Communal range defence in primates as a public goods dilemma. 2015 , 370, 20150003	35
1946	Adaptive simplification and the evolution of gecko locomotion: morphological and biomechanical consequences of losing adhesion. 2015 , 112, 809-14	50
1945	Plasticity of functional traits of forb species in response to biodiversity. 2015 , 17, 66-77	48
1944	Evolution of niche preference in <i>Sphagnum</i> peat mosses. 2015 , 69, 90-103	39
1943	Interspecific competition affects evolutionary links between cavity nesting, migration and clutch size in Old World flycatchers (Muscicapidae). 2015 , 157, 299-311	6

1942	Placing cryptic, recently extinct, or hypothesized taxa into an ultrametric phylogeny using continuous character data: a case study with the lizard <i>Anolis roosevelti</i> . 2015 , 69, 1027-35	11
1941	Evolution of the branchiostegal membrane and restricted gill openings in Actinopterygian fishes. 2015 , 276, 681-94	10
1940	Locomotor Mode and the Evolution of the Hindlimb in Western Mediterranean Anurans. 2015 , 42, 199-209	25
1939	Phylogenetic Comparative Methods for Evaluating the Evolutionary History of Function-Valued Traits. 2015 , 64, 568-78	25
1938	Restriction Site-Associated DNA Sequencing (RAD-seq) Reveals an Extraordinary Number of Transitions among Gecko Sex-Determining Systems. 2015 , 32, 1296-309	169
1937	A likelihood inference of historical biogeography in the world's most diverse terrestrial vertebrate genus: diversification of direct-developing frogs (Craugastoridae: Pristimantis) across the Neotropics. 2015 , 85, 50-8	23
1936	Evolution of codfishes (Teleostei: Gadinae) in geographical and ecological space: evidence that physiological limits drove diversification of subarctic fishes. 2015 , 42, 1091-1102	3
1935	Moth tails divert bat attack: evolution of acoustic deflection. 2015 , 112, 2812-6	48
1934	Ancestral state reconstruction, rate heterogeneity, and the evolution of reptile viviparity. 2015 , 64, 532-44	65
1933	Mismatch Between Ectotherm Thermal Preference and Optima for Swimming: A Test of the Evolutionary Pace Hypothesis. 2015 , 42, 137-145	20
1932	Introduced and invasive cactus species: a global review. 2014 , 7,	79
1931	Setting the pace of life: membrane composition of flight muscle varies with metabolic rate of hovering orchid bees. 2015 , 282,	12
1930	The causes of southern African spatial patterns in species richness: speciation, extinction and dispersal in the Danthonioideae (Poaceae). 2015 , 42, 914-924	11
1929	Measurement errors should always be incorporated in phylogenetic comparative analysis. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 340-346	7:7 54
1928	Predicting species' tolerance to salinity and alkalinity using distribution data and geochemical modelling: a case study using Australian grasses. 2015 , 115, 343-51	15
1927	Recurrent loss of sex is associated with accumulation of deleterious mutations in <i>Oenothera</i> . 2015 , 32, 896-905	59
1926	Macroevolution and climate change influence phylogenetic community assembly of North American hoofed mammals. 2015 , 114, 485-494	20
1925	A new dynamic null model for phylogenetic community structure. 2015 , 18, 153-63	63

1924	The macroevolutionary relationship between diet and body mass across mammals. 2015 , 115, 173-184	48
1923	Dynamic evolutionary change in post-Paleozoic echinoids and the importance of scale when interpreting changes in rates of evolution. 2015 , 112, 3758-63	82
1922	Mechanical sensitivity reveals evolutionary dynamics of mechanical systems. 2015 , 282, 20143088	34
1921	Increasing the efficiency of MCMC for hierarchical phylogenetic models of categorical traits using reduced mixed models. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 706-714	7.7 19
1920	A phylogeny of Sericini with particular reference to Chinese species using mitochondrial and ribosomal DNA (Coleoptera: Scarabaeidae). 2015 , 15, 343-350	11
1919	Fine root morphology is phylogenetically structured, but nitrogen is related to the plant economics spectrum in temperate trees. 2015 , 29, 796-807	66
1918	Physiological pace of life: the link between constitutive immunity, developmental period, and metabolic rate in European birds. 2015 , 177, 147-58	28
1917	Encephalization and diversification of the cranial base in platyrrhine primates. 2015 , 81, 29-40	15
1916	The role of pollinators in floral diversification in a clade of generalist flowers. 2015 , 69, 863-78	38
1915	Both traits and phylogenetic history influence community structure in snakes over steep environmental gradients. 2015 , 38, 1036-1048	16
1914	Repetition rate of calls used in multiple contexts communicates presence of predators to nestlings and adult birds. 2015 , 103, 35-44	20
1913	Biotic and abiotic predictors of fungal colonization in grasses of the Colorado Rockies. 2015 , 21, 962-976	37
1912	Allometric scaling and locomotor function in the primate pelvis. 2015 , 156, 511-30	26
1911	Organization of the Mammalian Metabolome according to Organ Function, Lineage Specialization, and Longevity. 2015 , 22, 332-43	68
1910	Molecular phylogenetics of the species-rich angiosperm genus <i>Goniothalamus</i> (Annonaceae) inferred from nine chloroplast DNA regions: Synapomorphies and putative correlated evolutionary changes in fruit and seed morphology. 2015 , 92, 124-39	12
1909	Membranes as a possible pacemaker of metabolism in cypriniform fish: does phylogeny matter?. 2015 , 218, 2563-72	7
1908	Species tree estimation of diploid <i>Helianthus</i> (Asteraceae) using target enrichment. 2015 , 102, 910-20	51
1907	Global DNA cytosine methylation as an evolving trait: phylogenetic signal and correlated evolution with genome size in angiosperms. 2015 , 6, 4	68

1906	Phylogenetic insights into the history and diversification of fishes on reefs. 2015 , 34, 997-1009	17
1905	The evolution of human and ape hand proportions. 2015 , 6, 7717	111
1904	Strong phylogenetic signals and phylogenetic niche conservatism in ecophysiological traits across divergent lineages of Magnoliaceae. 2015 , 5, 12246	37
1903	Biogeography and divergent patterns of body size disparification in North American minnows. 2015 , 93, 17-28	13
1902	Coupling of diversification and pH adaptation during the evolution of terrestrial Thaumarchaeota. 2015 , 112, 9370-5	54
1901	Natural and sexual selection act on different axes of variation in avian plumage color. 2015 , 1, e1400155	55
1900	Diversification of the cold-adapted butterfly genus <i>Oeneis</i> related to Holarctic biogeography and climatic niche shifts. 2015 , 92, 255-65	16
1899	Phylogenetic ANOVA: The Expression Variance and Evolution Model for Quantitative Trait Evolution. 2015 , 64, 695-708	47
1898	Species Selection Favors Dispersive Life Histories in Sea Slugs, but Higher Per-Offspring Investment Drives Shifts to Short-Lived Larvae. 2015 , 64, 983-99	34
1897	Life history lability underlies rapid climate niche evolution in the angiosperm clade Montiaceae. 2015 , 92, 181-92	33
1896	The costs of avian brood parasitism explain variation in egg rejection behaviour in hosts. 2015 , 11,	26
1895	Does Environmental Heterogeneity Promote Cognitive Abilities?. 2015 , 55, 432-43	8
1894	Hawk models, hawk mimics, and antipredator behavior of prey. 2015 , 26, 1039-1044	10
1893	Comparative testis morphology of Neotropical anurans. 2015 , 257, 29-38	4
1892	Ecological consequences of contrasting dispersal syndromes in New World <i>Ephedra</i> : higher rates of niche evolution related to dispersal ability. 2015 , 38, 1187-1199	20
1891	Phylogenetic gradient analysis: environmental drivers of phylogenetic variation across ecological communities. 2015 , 216, 709-724	10
1890	Selection played a role in the evolution of the human chin. 2015 , 82, 127-36	11
1889	Phylogenetic constraints and trait correlates of flowering phenology in the angiosperm flora of China. 2015 , 24, 928-938	38

1888	Revisiting Darwin's naturalization conundrum: explaining invasion success of non-native trees and shrubs in southern Africa. 2015 , 103, 871-879	30
1887	Intraspecific trait variation is correlated with establishment success of alien mammals. 2015 , 185, 737-46	41
1886	Strong support for Rensch's rule in an American clade of lizards (Teiidae and Gymnophthalmidae) and a paradox of the largest tejus. 2015 , 102, 23	2
1885	Into the light: diurnality has evolved multiple times in geckos. 2015 , 115, 896-910	82
1884	Qualitative skeletal correlates of wing shape in extant birds (Aves: Neoaves). 2015 , 15, 30	11
1883	Body Shape Evolution in Sunfishes: Divergent Paths to Accelerated Rates of Speciation in the Centrarchidae. 2015 , 42, 283-295	19
1882	Speciation dynamics during the global radiation of extant bats. 2015 , 69, 1528-1545	177
1881	Tempo and mode of antibat ultrasound production and sonar jamming in the diverse hawkmoth radiation. 2015 , 112, 6407-12	37
1880	Body size affects the evolution of eyespots in caterpillars. 2015 , 112, 6664-9	28
1879	Fossil-based comparative analyses reveal ancient marine ancestry erased by extinction in ray-finned fishes. 2015 , 18, 441-50	99
1878	Rate of evolutionary change in cranial morphology of the marsupial genus <i>Monodelphis</i> is constrained by the availability of additive genetic variation. 2015 , 28, 973-85	23
1877	An engine for global plant diversity: highest evolutionary turnover and emigration in the American tropics. 2015 , 6, 130	57
1876	Thermal sensitivity of cold climate lizards and the importance of distributional ranges. 2015 , 118, 281-90	22
1875	Evolution of sexual dimorphism in phenotypic covariance structure in Phymata. 2015 , 69, 1597-1609	10
1874	A test of the integrated evolutionary speed hypothesis in a Neotropical amphibian radiation. 2015 , 24, 804-813	9
1873	Molecular phylogenetics suggests a New Guinean origin and frequent episodes of founder-event speciation in the nectarivorous lories and lorikeets (Aves: Psittaciformes). 2015 , 90, 34-48	32
1872	Substantial variation in leaf senescence times among 1360 temperate woody plant species: implications for phenology and ecosystem processes. 2015 , 116, 865-73	56
1871	Seed size and the evolution of leaf defences. 2015 , 103, 1057-1068	7

1870	Epoch-based likelihood models reveal no evidence for accelerated evolution of viviparity in squamate reptiles in response to cenozoic climate change. 2015 , 324, 525-31	3
1869	Comparative Analysis of Principal Components Can be Misleading. 2015 , 64, 677-89	142
1868	Soil microbial community variation correlates most strongly with plant species identity, followed by soil chemistry, spatial location and plant genus. 2015 , 7,	103
1867	Synthesizing habitat fragmentation effects on plant-antagonist interactions in a phylogenetic context. 2015 , 192, 304-314	11
1866	Evolutionary models for the retention of adult-adult social play in primates: The roles of diet and other factors associated with resource acquisition. 2015 , 23, 381-391	9
1865	Cytotype diversity and genome size variation in <i>Knautia</i> (Caprifoliaceae, Dipsacoideae). 2015 , 15, 140	25
1864	The influence of ecological and geographical context in the radiation of Neotropical sigmodontine rodents. 2015 , 15, 172	37
1863	Making pore choices: repeated regime shifts in stomatal ratio. 2015 , 282, 20151498	44
1862	Stylar polymorphism on the edge: unusual flower traits in Moroccan <i>Narcissus broussonetii</i> (Amaryllidaceae). 2015 , 177, 644-656	5
1861	Is genome downsizing associated with diversification in polyploid lineages of <i>Veronica</i> ?. 2015 , 178, 243-266	37
1860	Lobule shape evolution in <i>Radula</i> (Jungermannioptida): one rate fits all?. 2015 , 178, 222-242	22
1859	Do constraints associated with the locomotor habitat drive the evolution of forelimb shape? A case study in musteloid carnivorans. 2015 , 226, 596-610	63
1858	Evolution of the leaf economics spectrum in herbs: Evidence from environmental divergences in leaf physiology across <i>Helianthus</i> (Asteraceae). 2015 , 69, 2705-20	63
1857	Distinctive expansion of gene families associated with plant cell wall degradation, secondary metabolism, and nutrient uptake in the genomes of grapevine trunk pathogens. 2015 , 16, 469	99
1856	The evolution of avian wing shape and previously unrecognized trends in covert feathering. 2015 , 282, 20151935	21
1855	What defines an adaptive radiation? Macroevolutionary diversification dynamics of an exceptionally species-rich continental lizard radiation. 2015 , 15, 153	54
1854	A multidimensional functional trait analysis of resource exploitation in European ants. 2015 , 96, 2781-93	14
1853	Asymmetry in genitalia does not increase the rate of their evolution. 2015 , 93, 180-7	6

1852	Evolution of displays in Galapagos lava lizards: comparative analyses of signallers and robot playbacks to receivers. 2015 , 109, 33-44	14
1851	Exploring the nature of ecological specialization in a coral reef fish community: morphology, diet and foraging microhabitat use. 2015 , 282,	46
1850	No release for the wicked: enemy release is dynamic and not associated with invasiveness. 2015 , 96, 2446-57	47
1849	Leaf wax composition and carbon isotopes vary among major conifer groups. 2015 , 170, 145-156	80
1848	Is the scaling of swim speed in sharks driven by metabolism?. 2015 , 11, 20150781	7
1847	How predation shaped fish: the impact of fin spines on body form evolution across teleosts. 2015 , 282,	46
1846	Telomeres shorten more slowly in slow-aging wild animals than in fast-aging ones. 2015 , 71, 38-47	55
1845	Pattern of association between endemic Hawaiian fruit flies (Diptera, Tephritidae) and their symbiotic bacteria: Evidence of cospeciation events and proposal of "Candidatus Stammerula trupaneae". 2015 , 90, 67-79	10
1844	A pharyngeal jaw evolutionary innovation facilitated extinction in Lake Victoria cichlids. 2015 , 350, 1077-9	44
1843	Ecological Divergence, Adaptive Diversification, and the Evolution of Social Signaling Traits: An Empirical Study in Arid Australian Lizards. 2015 , 186, E144-61	14
1842	As old as the mountains: the radiations of the Ericaceae. 2015 , 207, 355-367	108
1841	Pelvic form and locomotor adaptation in strepsirrhine primates. 2015 , 298, 230-48	14
1840	The Evolution of Morphological Integration in the Ruminant Skull. 2015 , 42, 99-114	30
1839	Diversity and disparity through time in the adaptive radiation of Antarctic notothenioid fishes. 2015 , 28, 376-94	44
1838	Carotenoid-based bill coloration functions as a social, not sexual, signal in songbirds (Aves: Passeriformes). 2015 , 28, 250-8	17
1837	Evolution of pollination niches in a generalist plant clade. 2015 , 205, 440-53	31
1836	Comparative support for the expensive tissue hypothesis: Big brains are correlated with smaller gut and greater parental investment in Lake Tanganyika cichlids. 2015 , 69, 190-200	57
1835	Chemical signalling in lizards: an interspecific comparison of femoral pore numbers in Lacertidae. 2015 , 114, 44-57	45

1834	Discovery of unusual anatomical and continuous characters in the evolutionary history of Conostegia (Miconieae: Melastomataceae). 2015 , 82 Pt A, 289-313	35
1833	Ecomorphological variation in male and female wall lizards and the macroevolution of sexual dimorphism in relation to habitat use. 2015 , 28, 80-94	24
1832	Basal metabolism in tropical birds: latitude, altitude, and the pace of life 2015 , 29, 338-346	77
1831	Trees, branches and (square) roots: why evolutionary relatedness is not linearly related to functional distance. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 439-444	7.7 45
1830	Recombination, chromosome number and eusociality in the Hymenoptera. 2015 , 28, 105-16	25
1829	Climate change and lizards: changing species' geographic ranges in Patagonia. 2015 , 15, 1121-1132	21
1828	Rates of signal evolution are associated with the nature of interspecific communication. 2015 , 26, 83-90	27
1827	Identical inferences about correlated evolution arise from ancestral state reconstruction and independent contrasts. 2015 , 364, 321-5	3
1826	Morphology predicting ecology: incorporating new methodological and analytical approaches. 2015 , 98, 713-724	9
1825	A compendium of temperature responses of Rubisco kinetic traits: variability among and within photosynthetic groups and impacts on photosynthesis modeling. 2016 , 67, 5067-91	47
1824	Evolution of seed dispersal in the Cerrado biome: ecological and phylogenetic considerations. 2016 , 30, 271-282	23
1823	Fruits and frugivores of the Brazilian Cerrado: ecological and phylogenetic considerations. 2016 , 30, 495-507	16
1822	Tempo and Mode of the Evolution of Venom and Poison in Tetrapods. 2016 , 8,	18
1821	Female Song Occurs in Songbirds with More Elaborate Female Coloration and Reduced Sexual Dichromatism. 2016 , 4,	28
1820	Diversity and Ecological Correlates of Red Fluorescence in Marine Fishes. 2016 , 4,	14
1819	Using Whole-Genome Sequence Information to Foster Conservation Efforts for the European Dark Honey Bee, <i>Apis mellifera mellifera</i> . 2016 , 4,	22
1818	Phylogenetic Structure of Foliar Spectral Traits in Tropical Forest Canopies. 2016 , 8, 196	28
1817	Associations of Leaf Spectra with Genetic and Phylogenetic Variation in Oaks: Prospects for Remote Detection of Biodiversity. 2016 , 8, 221	91

1816	Molecular phylogeny and timing of diversification in Alpine Rhithrogena (Ephemeroptera: Heptageniidae). 2016 , 16, 194	12
1815	Polyphyly of Asian Tree Toads, Genus <i>Pedostibes</i> Günther, 1876 (Anura: Bufonidae), and the Description of a New Genus from Southeast Asia. 2016 , 11, e0145903	8
1814	Consequences of Secondary Calibrations on Divergence Time Estimates. 2016 , 11, e0148228	96
1813	Evolutionary morphology of the rabbit skull. 2016 , 4, e2453	12
1812	Sperm size evolution in African greenbul (Passeriformes: Pycnonotidae). 2016 , 117, 337-349	3
1811	Abrupt shortening of bird W chromosomes in ancestral Neognathae. 2016 , 119, 488-496	5
1810	Disentangling environmental drivers of metabolic flexibility in birds: the importance of temperature extremes versus temperature variability. 2016 , 39, 787-795	35
1809	Parallel selective pressures drive convergent diversification of phenotypes in pythons and boas. 2016 , 19, 800-9	35
1808	Evolution of brain-body allometry in Lake Tanganyika cichlids. 2016 , 70, 1559-68	13
1807	Repeated evolution of amphibious behavior in fish and its implications for the colonization of novel environments. 2016 , 70, 1747-59	30
1806	Phylogenetic conservatism and climate factors shape flowering phenology in alpine meadows. 2016 , 182, 419-28	11
1805	Ornament size and colour as alternative strategies for effective communication in gliding lizards. 2016 , 29, 1689-700	10
1804	Large-brained birds suffer less oxidative damage. 2016 , 29, 1968-1976	9
1803	Tan spot of pyrethrum is caused by a <i>Didymella</i> species complex. 2016 , 65, 1170-1184	16
1802	Is the relationship between mast-seeding and weather in oaks related to their life-history or phylogeny?. 2016 , 97, 2603-2615	38
1801	The locomotion of <i>Babakotia radofilai</i> inferred from epiphyseal and diaphyseal morphology of the humerus and femur. 2016 , 277, 1199-218	14
1800	Dispersal, dormancy and life-history tradeoffs at the individual, population and species levels in southern African Asteraceae. 2016 , 210, 356-65	11
1799	Ecological and evolutionary variation in community nitrogen use traits during tropical dry forest secondary succession. 2016 , 97, 1194-206	15

1798	Reorganization of taxonomic, functional, and phylogenetic ant biodiversity after conversion to rubber plantation. 2016 , 86, 215-227	41
1797	Greater host breadth still not associated with increased diversification rate in the Nymphalidae-A response to Janz et al. 2016 , 70, 1156-60	5
1796	Host trait combinations drive abundance and canopy distribution of atmospheric bromeliad assemblages. 2016 , 8,	11
1795	Early diversification of sperm size in the evolutionary history of the old world leaf warblers (Phylloscopidae). 2016 , 29, 777-89	4
1794	Beyond the wing planform: morphological differentiation between migratory and nonmigratory dragonfly species. 2016 , 29, 690-703	16
1793	Ecomorphological convergence in planktivorous surgeonfishes. 2016 , 29, 965-78	40
1792	Changing the habitat: the evolution of intercorrelated traits to escape from predators. 2016 , 29, 1394-405	9
1791	Sexual dichromatism in wing pigmentation of New World dragonflies follows Rensch's rule. 2016 , 29, 1447-54	5
1790	The evolution of highly variable immunity genes across a passerine bird radiation. 2016 , 25, 977-89	33
1789	Escape from the cryptic species trap: lichen evolution on both sides of a cyanobacterial acquisition event. 2016 , 25, 3453-68	25
1788	Repeated invasions into the twilight zone: evolutionary origins of a novel assemblage of fishes from deep Caribbean reefs. 2016 , 25, 3662-82	24
1787	Different rates of defense evolution and niche preferences in clonal and nonclonal milkweeds (<i>Asclepias</i> spp.). 2016 , 209, 1230-9	12
1786	Bark thickness across the angiosperms: more than just fire. 2016 , 211, 90-102	87
1785	Partner choice through concealed floral sugar rewards evolved with the specialization of ant-plant mutualisms. 2016 , 211, 1358-70	21
1784	Patterns of morphological diversification of mainland Anolis lizards from northwestern South America. 2016 , 176, 632-647	17
1783	Molecular phylogeny of South-East Asian arboreal murine rodents. 2016 , 45, 349-364	15
1782	Evolutionary patterns of shape and functional diversification in the skull and jaw musculature of triggerfishes (Teleostei: Balistidae). 2016 , 277, 737-52	9
1781	Root traits are multidimensional: specific root length is independent from root tissue density and the plant economic spectrum. 2016 , 104, 1299-1310	231

1780	RPANDA: an R package for macroevolutionary analyses on phylogenetic trees. <i>Methods in Ecology and Evolution</i> , 2016 , 7, 589-597	7.7	161
1779	The impact of diet, habitat use, and behaviour on head shape evolution in homalopsid snakes. 2016 , 118, 634-647		28
1778	Phylogenetic Correlation Between Male Nuptial Color and Behavioral Responses to Color Across a Diverse and Colorful Genus of Freshwater Fish (<i>Etheostoma</i> spp., Teleostei: Percidae). 2016 , 122, 245-256		5
1777	Phylogenetic signal in diatom ecology: perspectives for aquatic ecosystems biomonitoring. 2016 , 26, 861-72		29
1776	Photosynthesis, growth, and decay traits in <i>Sphagnum</i> - a multispecies comparison. 2016 , 6, 3325-41		59
1775	Species coexistence in simple microbial communities: unravelling the phenotypic landscape of co-occurring <i>Metschnikowia</i> species in floral nectar. 2016 , 18, 1850-62		15
1774	When a general morphology allows many habitat uses. 2016 , 11, 483-499		22
1773	Shedding light on the 'dark side' of phylogenetic comparative methods. <i>Methods in Ecology and Evolution</i> , 2016 , 7, 693-699	7.7	41
1772	The effect of body size and habitat on the evolution of alarm vocalizations in rodents. 2016 , 118, 745-751		15
1771	The macroevolution of climatic niches and its role in ant diversification. 2016 , 41, 301-307		15
1770	Body sizes and diversification rates of lizards, snakes, amphisbaenians and the tuatara. 2016 , 25, 187-197		92
1769	Macroevolution of leaf defenses and secondary metabolites across the genus <i>Helianthus</i> . 2016 , 209, 1720-33		35
1768	Suchian Feeding Success at the Interface of Ontogeny and Macroevolution. 2016 , 56, 449-58		26
1767	Commensal associations and benthic habitats shape macroevolution of the bivalve clade Galeommatoidea. 2016 , 283,		10
1766	Mechanical properties of male genitalia in <i>Leiobunum</i> harvestmen (Opiliones: Sclerosomatidae). 2016 , 44, 199-209		5
1765	Lower molar shape and size in prosimian and platyrrhine primates. 2016 , 161, 237-58		6
1764	The role of habitat filtering in the leaf economics spectrum and plant susceptibility to pathogen infection. 2016 , 104, 1768-1777		11
1763	Dietary adaptations in the teeth of murine rodents (Muridae): a test of biomechanical predictions. 2016 , 119, 766-784		13

1762	Phylogenetics of Iriarteeae (Arecaceae), cross-Andean disjunctions and convergence of clustered infructescence morphology in <i>Wettinia</i> . 2016 , 182, 272-286	12
1761	Sexual and natural selection in the evolution of extended phenotypes: the use of green nesting material in starlings. 2016 , 29, 1585-92	5
1760	Foliar nectar enhances plant-mite mutualisms: the effect of leaf sugar on the control of powdery mildew by domatia-inhabiting mites. 2016 , 118, 459-66	3
1759	Extreme Postnatal Scaling in Bat Feeding Performance: A View of Ecomorphology from Ontogenetic and Macroevolutionary Perspectives. 2016 , 56, 459-68	12
1758	Positive phenotypic selection inferred from phylogenies. 2016 , 118, 95-115	44
1757	Magnitude versus direction of change and the contribution of macroevolutionary trends to morphological disparity. 2016 , 118, 116-130	21
1756	Morphological basis of glossy red plumage colours. 2016 , 119, 477-487	10
1755	Floral evolution in <i>Lithospermum</i> (Boraginaceae): independent origins of similar flower types. 2016 , 180, 213-228	7
1754	Patterns and drivers of intraspecific variation in avian life history along elevational gradients: a meta-analysis. 2016 , 91, 469-82	66
1753	Body shape transformation along a shared axis of anatomical evolution in labyrinth fishes (Anabantoidei). 2016 , 70, 555-67	11
1752	Sexual selection on skeletal shape in Carnivora. 2016 , 70, 767-80	19
1751	Sperm competition and the coevolution of pre- and postcopulatory traits: Weapons evolve faster than testes among onthophagine dung beetles. 2016 , 70, 998-1008	16
1750	Climatic niche conservatism and ecological opportunity in the explosive radiation of arvicoline rodents (Arvicolinae, Cricetidae). 2016 , 70, 1094-104	13
1749	Coos, booms, and hoots: The evolution of closed-mouth vocal behavior in birds. 2016 , 70, 1734-46	25
1748	Area, climate heterogeneity, and the response of climate niches to ecological opportunity in island radiations of <i>Anolis</i> lizards. 2016 , 25, 781-791	20
1747	Non-congruent fossil and phylogenetic evidence on the evolution of climatic niche in the Gondwana genus <i>Nothofagus</i> . 2016 , 43, 555-567	13
1746	Geographical variation of body size in sigmodontine rodents depends on both environment and phylogenetic composition of communities. 2016 , 43, 1192-1202	26
1745	Sino-Himalayan mountains act as cradles of diversity and immigration centres in the diversification of parrotbills (Paradoxornithidae). 2016 , 43, 1488-1501	26

1744	Phylogenetic and size constrains on cranial ontogenetic allometry of spiny rats (Echimyidae, Rodentia). 2016 , 29, 1752-65	12
1743	Evolution of male copulatory organs in box crabs (Decapoda: Eubrachyura: Calappidae De Haan, 1833). 2016 , 36, 804-814	8
1742	Holding-on: co-evolution between infant carrying and grasping behaviour in strepsirrhines. 2016 , 6, 37729	13
1741	Compartmentalization in PVC super-phylum: evolution and impact. 2016 , 11, 38	13
1740	Coral snakes predict the evolution of mimicry across New World snakes. 2016 , 7, 11484	71
1739	Evolution of the locomotory system in eels (Teleostei: Elopomorpha). 2016 , 16, 159	6
1738	Shaping communicative colour signals over evolutionary time. 2016 , 3, 160728	14
1737	Comparative analyses of flower scent in Sileneae reveal a contrasting phylogenetic signal between night and day emissions. 2016 , 6, 7869-7881	9
1736	Comparative Morphometrics in Leptodactyline Frogs (Anura, Leptodactylidae, Leptodactylinae): Does Burrowing Behavior Relate to Sexual Dimorphism?. 2016 , 50, 604-615	5
1735	PhyInformR: phylogenetic experimental design and phylogenomic data exploration in R. 2016 , 16, 262	24
1734	Diversity in Morphology and Locomotory Behavior Is Associated with Niche Expansion in the Semi-aquatic Bugs. 2016 , 26, 3336-3342	21
1733	Testing the island effect on phenotypic diversification: insights from the Hemidactylus geckos of the Socotra Archipelago. 2016 , 6, 23729	19
1732	The influence of habitat on the evolution of plants: a case study across Saxifragales. 2016 , 118, 1317-1328	9
1731	Environmental variation and the evolution of large brains in birds. 2016 , 7, 13971	72
1730	Evolution of DNA Methylation across Insects. 2017 , 34, 654-665	162
1729	Sequential Turnovers of Sex Chromosomes in African Clawed Frogs () Suggest Some Genomic Regions Are Good at Sex Determination. 2016 , 6, 3625-3633	30
1728	Assessing the manipulative potentials of monkeys, apes and humans from hand proportions: implications for hand evolution. 2016 , 283,	13
1727	Size, Shape, and Stress in Tortoise Shell Evolution. 2016 , 72, 309	7

1726	Evolutionary heritage influences Amazon tree ecology. 2016 , 283,	29
1725	Current situation, genetic relationship and control measures of infectious bronchitis virus variants circulating in African regions. 2016 , 76, 20-30	5
1724	The evolution of jaw protrusion mechanics is tightly coupled to benthic-pelagic divergence in damselfishes (Pomacentridae). 2017 , 220, 652-666	24
1723	On the effect specificity of accessory gland products transferred by the love-dart of land snails. 2016 , 16, 104	6
1722	Why cheirogaleids are bad models for primate ancestors: a phylogenetic reconstruction. 94-112	40
1721	Viviparity stimulates diversification in an order of fish. 2016 , 7, 11271	47
1720	Inferring rooted population trees using asymmetric neighbor joining. 2016 , 10,	0
1719	Utility of the Colorimetric Folin-Ciocalteu and Aluminum Complexation Assays for Quantifying Secondary Metabolite Variation among Wild Sunflowers. 2016 , 39, 157-167	2
1718	Optimal allocation of leaf epidermal area for gas exchange. 2016 , 210, 1219-28	88
1717	ENSO and frost codetermine decade-long temporal variation in flower and seed production in a subtropical rain forest. 2016 , 104, 44-54	21
1716	Genome size and ploidy influence angiosperm species' biomass under nitrogen and phosphorus limitation. 2016 , 210, 1195-206	56
1715	Rates of morphological evolution are heterogeneous in Early Cretaceous birds. 2016 , 283,	29
1714	phyloSignal: an R package to measure, test, and explore the phylogenetic signal. 2016 , 6, 2774-80	211
1713	Scientific drilling projects in ancient lakes: Integrating geological and biological histories. 2016 , 143, 118-151	23
1712	Convergent Evolution Provides Evidence of Similar Radiations in Shell Shape in the Turtle Families Emydidae and Geoemydidae. 2016 , 72, 120	14
1711	Ecological opportunities, habitat, and past climatic fluctuations influenced the diversification of modern turtles. 2016 , 101, 352-358	19
1710	Evolution of Craniodental Correlates of Diet in African Bovidae. 2016 , 23, 385-396	14
1709	Characterizing phenotypic divergence using three-dimensional geometric morphometrics in four populations of threespine stickleback (<i>Gasterosteus aculeatus</i> ; Pisces: Gasterosteidae) in Katmai National Park and Preserve, Alaska. 2016 , 94, 463-472	3

1708	Key innovations and climatic niche divergence as drivers of diversification in subtropical Gentianinae in southeastern and eastern Asia. 2016 , 103, 899-911	15
1707	Enigmatic Diversity of the Maxillary Sinus in Macaques and Its Possible Role as a Spatial Compromise in Craniofacial Modifications. 2016 , 43, 414-426	7
1706	Are more diverse parts of the mammalian skull more labile?. 2016 , 6, 2318-24	18
1705	Molecular phylogenetics of the Ronnbergia Alliance (Bromeliaceae, Bromelioideae) and insights into their morphological evolution. 2016 , 100, 1-20	21
1704	No evidence for larger brains in cooperatively breeding cichlid fishes. 2016 , 94, 373-378	12
1703	Towards a morphological metric of assemblage dynamics in the fossil record: a test case using planktonic foraminifera. 2016 , 371, 20150227	20
1702	Cultural niche construction of repertoire size and learning strategies in songbirds. 2016 , 30, 285-305	26
1701	Implications of lemuriform extinctions for the Malagasy flora. 2016 , 113, 5041-6	37
1700	Palaeohistological Evidence for Ancestral High Metabolic Rate in Archosaurs. 2016 , 65, 989-996	55
1699	Dinosaurs in decline tens of millions of years before their final extinction. 2016 , 113, 5036-40	62
1698	Long-term changes in ground beetle (Coleoptera: Carabidae) assemblages in Scotland. 2016 , 41, 157-167	5
1697	Is hybridization driving the evolution of climatic niche in <i>Alyssum montanum</i> . 2016 , 103, 1348-57	19
1696	Patterns of genome size variation in snapping shrimp. 2016 , 59, 393-402	30
1695	Relative Brain Size and Its Relation with the Associative Pallium in Birds. 2016 , 87, 69-77	38
1694	Out of the Sichuan Basin: Rapid species diversification of the freshwater crabs in Sinopotamon (Decapoda: Brachyura: Potamidae) endemic to China. 2016 , 100, 80-94	13
1693	Exploring the ontogenetic scaling hypothesis during the diversification of pollination syndromes in <i>Caiophora</i> (Loasaceae, subfam. Loasoideae). 2016 , 117, 937-47	18
1692	Temporal and phylogenetic evolution of the sauropod dinosaur body plan. 2016 , 3, 150636	40
1691	Community assembly in temperate forest birds: habitat filtering, interspecific interactions and priority effects. 2016 , 30, 703-722	15

1690	Phylogeny and Divergence Times of Lemurs Inferred with Recent and Ancient Fossils in the Tree. 2016 , 65, 772-91	98
1689	Go big or go fish: morphological specializations in carnivorous bats. 2016 , 283,	47
1688	Szidat's rule re-tested: relationships between flea and host phylogenetic clade ranks in four biogeographic realms. 2016 , 143, 723-31	3
1687	Host range expansion is density dependent. 2016 , 182, 779-88	10
1686	Habitat heterogeneity favors asexual reproduction in natural populations of grasshrips. 2016 , 70, 1780-90	19
1685	Enemy at the gates: Rapid defensive trait diversification in an adaptive radiation of lizards. 2016 , 70, 2647-2656	17
1684	Independent reversals to terrestriality in squirrels (Rodentia: Sciuridae) support ecologically mediated modes of adaptation. 2016 , 29, 2471-2479	15
1683	Men's status and reproductive success in 33 nonindustrial societies: Effects of subsistence, marriage system, and reproductive strategy. 2016 , 113, 10824-9	111
1682	Spiny plants, mammal browsers, and the origin of African savannas. 2016 , 113, E5572-9	90
1681	Bird pollinators, seed storage and cockatoo granivores explain large woody fruits as best seed defense in Hakea. 2016 , 21, 55-77	12
1680	Host body size and the diversity of tick assemblages on Neotropical vertebrates. 2016 , 5, 295-304	30
1679	Widespread natural variation of DNA methylation within angiosperms. 2016 , 17, 194	289
1678	Analysing Convergent Evolution: A Practical Guide to Methods. 2016 , 23-36	8
1677	The phylogenetic roots of human lethal violence. 2016 , 538, 233-237	88
1676	Combining geometric morphometric analyses of multiple 2D observation views improves interpretation of evolutionary allometry and shape diversification in monitor lizard (Varanus) crania. 2016 ,	3
1675	On the origin of frictional adhesion in geckos: small morphological changes lead to a major biomechanical transition in the genus <i>Gonatodes</i> . 2016 ,	3
1674	Ant assemblages have darker and larger members in cold environments. 2016 , 25, 1489-1499	55
1673	DNA barcoding to identify leaf preference of leafcutting bees. 2016 , 3, 150623	15

1672	Phylogenetic ANCOVA: Estimating Changes in Evolutionary Rates as Well as Relationships between Traits. 2016 , 188, 615-627	11
1671	Speciation is associated with changing ornamentation rather than stronger sexual selection. 2016 , 70, 2823-2838	28
1670	Niche divergence facilitated by fine-scale ecological partitioning in a recent cichlid fish adaptive radiation. 2016 , 70, 2718-2735	25
1669	Behavioral Plasticity and the Origins of Novelty: The Evolution of the Rattlesnake Rattle. 2016 , 188, 475-83	16
1668	Correlated evolution of body and fin morphology in the cichlid fishes. 2016 , 70, 2247-2267	19
1667	Herbivory Promotes Dental Disparification and Macroevolutionary Dynamics in Grunters (Teleostei: Terapontidae), a Freshwater Adaptive Radiation. 2016 , 187, 320-33	24
1666	Continental cichlid radiations: functional diversity reveals the role of changing ecological opportunity in the Neotropics. 2016 , 283,	20
1665	A global analysis of the determinants of alien geographical range size in birds. 2016 , 25, 1346-1355	34
1664	Choreography of silk spinning by webspinners (Insecta: Embioptera) reflects lifestyle and hints at phylogeny. 2016 , 118, 430-442	8
1663	Diet, bite force and skull morphology in the generalist rodent morphotype. 2016 , 29, 2191-2204	60
1662	Proximate determinants of bite force in Anolis lizards. 2016 , 228, 85-95	15
1661	Aerodynamic consequences of wing morphing during emulated take-off and gliding in birds. 2016 , 219, 3146-3154	24
1660	Morpho morphometrics: Shared ancestry and selection drive the evolution of wing size and shape in Morpho butterflies. 2016 , 70, 181-94	39
1659	A role for ecology in the evolution of colour variation and sexual dimorphism in Hawaiian damselflies. 2016 , 29, 418-27	18
1658	A plant economics spectrum in Mediterranean forests along environmental gradients: is there coordination among leaf, stem and root traits?. 2016 , 27, 187-199	94
1657	Contrasting lineage-specific patterns conceal community phylogenetic structure in larger clades. 2016 , 27, 69-79	13
1656	Leaf margin analysis of Chinese woody plants and the constraints on its application to palaeoclimatic reconstruction. 2016 , 25, 1401-1415	13
1655	Using a mega-phylogeny of seed plants to test for non-random patterns of areal-types across the Chinese tree of life. 2016 , 38, 283-288	1

1654	Macroevolution of perfume signalling in orchid bees. 2016 , 19, 1314-1323	35
1653	Strong phylogenetic inertia on genome size and transposable element content among 26 species of flies. 2016 , 12,	48
1652	Competition, niche opportunities and the successful invasion of natural habitats. 2016 , 18, 3535-3546	12
1651	Evolution of the immune system influences speciation rates in teleost fishes. 2016 , 48, 1204-10	121
1650	Stem cell competition in the gut: insights from multi-scale computational modelling. 2016 , 13,	12
1649	The impact of digging on craniodental morphology and integration. 2016 , 29, 2383-2394	21
1648	Morphological convergence in the pubis of slow-moving primates and xenarthrans. 2016 , 161, 381-397	12
1647	Reciprocal genomic evolution in the ant-fungus agricultural symbiosis. 2016 , 7, 12233	74
1646	Multi-marker metabarcoding of coral skeletons reveals a rich microbiome and diverse evolutionary origins of endolithic algae. 2016 , 6, 31508	65
1645	Toxin-resistant isoforms of Na ⁺ /K ⁺ -ATPase in snakes do not closely track dietary specialization on toads. 2016 , 283,	28
1644	Who Let the CAT Out of the Bag? Accurately Dealing with Substitutional Heterogeneity in Phylogenomic Analyses. 2017 , 66, 232-255	38
1643	Growth strategies of tadpoles along the pond permanency gradient. 2016 , 30, 1117-1132	8
1642	Evaluating the Impact of Genomic Data and Priors on Bayesian Estimates of the Angiosperm Evolutionary Timescale. 2017 , 66, 338-351	78
1641	Evolution of dorsal pattern variation in Greater Antillean Anolis lizards. 2016 ,	
1640	Allometric Relationships Better Explain Seed Coat Microsculpture Traits in <i>Mentzelia</i> Section <i>Bartonia</i> (Loasaceae) than Ecology or Dispersal. 2016 , 177, 263-276	2
1639	Phenotypic Covariation and Morphological Diversification in the Ruminant Skull. 2016 , 187, 576-91	29
1638	Life-History Patterns of Lizards of the World. 2016 , 187, 689-705	35
1637	Polyandry, Predation, and the Evolution of Frog Reproductive Modes. 2016 , 188 Suppl 1, S41-61	29

1636	Many Paths to a Common Destination: Morphological Differentiation of a Functionally Convergent Visual Signal. 2016 , 188, 306-18		6
1635	rotl: an R package to interact with the Open Tree of Life data. <i>Methods in Ecology and Evolution</i> , 2016 , 7, 1476-1481	7-7	150
1634	Geographical clines of body size in terrestrial amphibians: water conservation hypothesis revisited. 2016 , 43, 2075-2084		30
1633	Trends in the sand: Directional evolution in the shell shape of recessing scallops (Bivalvia: Pectinidae). 2016 , 70, 2061-73		27
1632	Geographical variation in head shape of a Neotropical group of toads: the role of physical environment and relatedness. 2016 ,		2
1631	Ecological specialization and morphological diversification in Greater Antillean boas. 2016 , 70, 1882-95		18
1630	Molecular phylogenetics and diversification of trap-jaw ants in the genera <i>Anochetus</i> and <i>Odontomachus</i> (Hymenoptera: Formicidae). 2016 , 103, 143-154		19
1629	Basal Metabolic Rate of the Black-Faced Sheathbill (<i>Chionis minor</i>): Intraspecific Variation in a Phylogenetically Distinct Island Endemic. 2016 , 89, 141-50		3
1628	Geographical Barriers and Dispersal Propensity Interact to Limit Range Expansions of Himalayan Birds. 2016 , 188, 99-112		26
1627	The evolution of reproductive diversity in Afrobatrachia: A phylogenetic comparative analysis of an extensive radiation of African frogs. 2016 , 70, 2017-32		26
1626	Diversity and constraints in the floral morphological evolution of <i>Leandra</i> s.str. (Melastomataceae). 2016 , 118, 445-58		18
1625	A comparison of ancestral state reconstruction methods for quantitative characters. 2016 , 404, 126-142		8
1624	The evolution of host specialisation in avian brood parasites. 2016 , 19, 1110-8		13
1623	Osmoadaptative Strategy and Its Molecular Signature in Obligately Halophilic Heterotrophic Protists. 2016 , 8, 2241-58		43
1622	No Evidence That Nitrogen Limitation Influences the Elemental Composition of Isopod Transcriptomes and Proteomes. 2016 , 33, 2605-20		7
1621	Sexual size dimorphism and Rensch's rule in Canidae. 2016 , 119, 816-830		13
1620	Evolution of organogenesis and the origin of altriciality in mammals. 2016 , 18, 229-44		24
1619	Correlated evolution between targets of pre- and postcopulatory sexual selection across squamate reptiles. 2016 , 6, 6452-6459		21

1618	Cool habitats support darker and bigger butterflies in Australian tropical forests. 2016 , 6, 8062-8074	25
1617	Phylogeny Explains Variation in The Root Chemistry of Eucalyptus Species. 2016 , 42, 1086-1097	16
1616	Day length unlikely to constrain climate-driven shifts in leaf-out times of northern woody plants. 2016 , 6, 1120-1123	114
1615	Exploiting rRNA operon copy number to investigate bacterial reproductive strategies. 2016 , 1, 16160	183
1614	The evolution of genital complexity and mating rates in sexually size dimorphic spiders. 2016 , 16, 242	9
1613	High evolutionary constraints limited adaptive responses to past climate changes in toad skulls. 2016 , 283,	14
1612	Trophic specializations of damselfishes are tightly associated with reef habitats and social behaviours. 2016 , 163, 1	22
1611	Timing of rapid diversification and convergent origins of active pollination within Agavoideae (Asparagaceae). 2016 , 103, 1717-1729	39
1610	Bony cranial ornamentation linked to rapid evolution of gigantic theropod dinosaurs. 2016 , 7, 12931	8
1609	The complex evolutionary history of the tympanic middle ear in frogs and toads (Anura). 2016 , 6, 34130	29
1608	Asynchronous demographic responses to Pleistocene climate change in Eastern Nearctic vertebrates. 2016 , 19, 1457-1467	38
1607	What does body size mean, from the "plant's eye view"?. 2016 , 6, 7344-7351	7
1606	The phylogenetic significance of leaf anatomical traits of southern African Oxalis. 2016 , 16, 225	5
1605	Non-reef environments impact the diversification of extant jacks, remoras and allies (Carangoidei, Percomorpha). 2016 , 283,	11
1604	Evolutionary innovation and diversification of carotenoid-based pigmentation in finches. 2016 , 70, 2839-2852	12
1603	White-nose syndrome without borders: Pseudogymnoascus destructans infection tolerated in Europe and Palearctic Asia but not in North America. 2016 , 6, 19829	70
1602	Molecular phylogenetics, historical biogeography and character evolution in Dyckia (Bromeliaceae, Pitcairnioideae). 2016 ,	4
1601	Global monocot diversification: geography explains variation in species richness better than environment or biology. 2016 ,	3

1600	Evolution of body morphology and beak shape revealed by a morphometric analysis of 14 Paridae species. 2016 , 13, 30	18
1599	Variation in cyanogenic compounds concentration within a Heliconius butterfly community: does mimicry explain everything?. 2016 , 16, 272	13
1598	Understanding pneumococcal serotype 1 biology through population genomic analysis. 2016 , 16, 649	17
1597	Evolutionary patterns of volatile terpene emissions across 202 tropical tree species. 2016 , 6, 2854-64	16
1596	A phylogenetic analysis of macroevolutionary patterns in fermentative yeasts. 2016 , 6, 3851-61	12
1595	Estimating morphological diversity and tempo with discrete character-taxon matrices: implementation, challenges, progress, and future directions. 2016 , 118, 131-151	113
1594	Phylogenetics, delimitation and historical biogeography of the pantropical tree genus <i>Thespesia</i> (Malvaceae, Gossypieae). 2016 , 181, 171-198	11
1593	Testing the large genome constraint hypothesis: plant traits, habitat and climate seasonality in Liliaceae. 2016 , 210, 709-16	33
1592	Worldwide variation in hip fracture incidence weakly aligns with genetic divergence between populations. 2016 , 27, 2867-2872	7
1591	Pollinators show flower colour preferences but flowers with similar colours do not attract similar pollinators. 2016 , 118, 249-57	52
1590	Male Reproductive Morphology Across Latitudinal Clines and Under Long-Term Female Sex-Ratio Bias. 2016 , 56, 715-27	4
1589	Likelihood-Based Parameter Estimation for High-Dimensional Phylogenetic Comparative Models: Overcoming the Limitations of "Distance-Based" Methods. 2016 , 65, 852-70	30
1588	The evolution of mimicry of friarbirds by orioles (Aves: Passeriformes) in Australo-Pacific archipelagos. 2016 , 283,	19
1587	How soil and elevation shape local plant biodiversity in a Mediterranean hotspot. 2016 , 25, 1133-1149	20
1586	The Baculum was Gained and Lost Multiple Times during Mammalian Evolution. 2016 , 56, 644-56	38
1585	Bayesian species delimitation in Pleophylla chafers (Coleoptera) - the importance of prior choice and morphology. 2016 , 16, 94	20
1584	How to build your dragon: scaling of muscle architecture from the world's smallest to the world's largest monitor lizard. 2016 , 13, 8	26
1583	Unique pattern of dietary adaptation in the dentition of Carnivora: its advantage and developmental origin. 2016 , 283, 20160375	20

1582	Evolutionary correlations in flavonoid production across flowers and leaves in the lochrominae (Solanaceae). 2016 , 130, 119-27	23
1581	Fruit Ripening Signals and Cues in a Madagascan Dry Forest: Haptic Indicators Reliably Indicate Fruit Ripeness to Dichromatic Lemurs. 2016 , 43, 344-355	15
1580	Convergence across a continent: adaptive diversification in a recent radiation of Australian lizards. 2016 , 283,	27
1579	Static allometry of unicellular green algae: scaling of cellular surface area and volume in the genus <i>Micrasterias</i> (Desmidiaceae). 2016 , 29, 292-305	7
1578	Transcontinental dispersal, ecological opportunity and origins of an adaptive radiation in the Neotropical catfish genus <i>Hypostomus</i> (Siluriformes: Loricariidae). 2016 , 25, 1511-29	32
1577	Floral colours in a world without birds and bees: the plants of Macquarie Island. 2016 , 18, 842-50	39
1576	Molecular phylogeny, analysis of character evolution, and submersible collections enable a new classification of a diverse group of gobies (Teleostei: Gobiidae: Nes'subgroup), including nine new species and four new genera. 2016 , 177, 764-812	16
1575	The stable isotope ecology of mycalesine butterflies: implications for plant-insect co-evolution. 2016 , 30, 1936-1946	15
1574	Do functional demands associated with locomotor habitat, diet, and activity pattern drive skull shape evolution in musteloid carnivorans?. 2016 , 117, 858-878	46
1573	Habitat use and its implications to functional morphology: niche partitioning and the evolution of locomotory morphology in Lake Tanganyikan cichlids (Perciformes: Cichlidae). 2016 , 118, 536-550	12
1572	A multiple variance Brownian motion framework for estimating variable rates and inferring ancestral states. 2016 , 118, 78-94	26
1571	Diversification patterns in the CES clade (Brassicaceae tribes Cremolobeae, Eudemeae, Schizopetaleae) in Andean South America. 2016 , 181, 543-566	17
1570	Historical and contemporary determinants of global phylogenetic structure in tropical reef fish faunas. 2016 , 39, 825-835	14
1569	Environmental constraints and call evolution in torrent-dwelling frogs. 2016 , 70, 811-26	17
1568	Phenotypic shifts in urban areas in the tropical lizard <i>Anolis cristatellus</i> . 2016 , 70, 1009-22	113
1567	A re-assessment of Rensch's rule in tuco-tucos (Rodentia: Ctenomyidae: <i>Ctenomys</i>) using a phylogenetic approach. 2016 , 81, 66-72	8
1566	Phylogenomic reconstruction supports supercontinent origins for <i>Leishmania</i> . 2016 , 38, 101-109	37
1565	How phylogeny shapes the taxonomic and functional structure of plant-insect networks. 2016 , 180, 989-1000	22

1564	Extreme positive allometry of animal adhesive pads and the size limits of adhesion-based climbing. 2016 , 113, 1297-302	66
1563	Rarity and Incomplete Sampling in DNA-Based Species Delimitation. 2016 , 65, 478-94	86
1562	Morphological Consequences of Developmental Plasticity in <i>Rana temporaria</i> are not Accommodated into Among-Population or Among-Species Variation. 2016 , 43, 242-256	2
1561	Characterizing and Comparing Phylogenies from their Laplacian Spectrum. 2016 , 65, 495-507	37
1560	Flower reshaping in the transition to hummingbird pollination in Loasaceae subfam. Loasoideae despite absence of corolla tubes or spurs. 2016 , 30, 401-417	8
1559	Phylogenetically structured traits in root systems influence arbuscular mycorrhizal colonization in woody angiosperms. 2016 , 404, 1-12	60
1558	Evolution of virulence in <i>Photorhabdus</i> spp., entomopathogenic nematode symbionts. 2016 , 39, 173-179	15
1557	Biogeography and diversification of Brassicales: A 103million year tale. 2016 , 99, 204-224	52
1556	Whole-Genome Identification, Phylogeny, and Evolution of the Cytochrome P450 Family 2 (CYP2) Subfamilies in Birds. 2016 , 8, 1115-31	15
1555	Scale dependency of lizards' home range in response to different environmental variables. 2016 , 62, 521-530	6
1554	Convergent high diversity in naturally colonized experimental grasslands is not related to increased productivity. 2016 , 20, 32-45	9
1553	Variation in sperm morphology among Afrotropical sunbirds. 2016 , 158, 155-166	4
1552	Evidence of an evolutionary-developmental trade-off between drag avoidance and tolerance strategies in wave-swept intertidal kelps (Laminariales, Phaeophyceae). 2016 , 52, 54-63	20
1551	RNeXML: a package for reading and writing richly annotated phylogenetic, character and trait data in <i>r</i> . <i>Methods in Ecology and Evolution</i> , 2016 , 7, 352-357	7.7 2
1550	Brain size is correlated with endangerment status in mammals. 2016 , 283, 20152772	9
1549	Patterns of philopatry and longevity contribute to the evolution of post-reproductive lifespan in mammals. 2016 , 12, 20150992	10
1548	A 'slow pace of life' in Australian old-endemic passerine birds is not accompanied by low basal metabolic rates. 2016 , 186, 503-12	14
1547	The role of pollinators in the evolution of corolla shape variation, disparity and integration in a highly diversified plant family with a conserved floral bauplan. 2016 , 117, 889-904	34

1546	Replicated divergence in cichlid radiations mirrors a major vertebrate innovation. 2016 , 283,	40
1545	Evolution of body mass in the Pan-Alcidae (Aves, Charadriiformes): the effects of combining neontological and paleontological data. 2016 , 42, 8-26	7
1544	Distinct Processes Drive Diversification in Different Clades of Gesneriaceae. 2016 , 65, 662-84	41
1543	Soil and tree species traits both shape soil microbial communities during early growth of Chinese subtropical forests. 2016 , 96, 180-190	50
1542	Patterns of diversification in islands: A comparative study across three gecko genera in the Socotra Archipelago. 2016 , 98, 288-99	18
1541	The historical biogeography of groupers: Clade diversification patterns and processes. 2016 , 100, 21-30	24
1540	Bats (Chiroptera: Noctilionoidea) Challenge a Recent Origin of Extant Neotropical Diversity. 2016 , 65, 432-48	104
1539	Phylogeny and adaptation shape the teeth of insular mice. 2016 , 283,	27
1538	A tale of two communities: Neotropical butterfly assemblages show higher beta diversity in the canopy compared to the understory. 2016 , 181, 235-43	25
1537	Nuclear introns outperform mitochondrial DNA in inter-specific phylogenetic reconstruction: Lessons from horseshoe bats (Rhinolophidae: Chiroptera). 2016 , 97, 196-212	59
1536	Uncovering <i>Listeria monocytogenes</i> hypervirulence by harnessing its biodiversity. 2016 , 48, 308-313	340
1535	Ecological divergence and conservatism: spatiotemporal patterns of niche evolution in a genus of livebearing fishes (Poeciliidae: Xiphophorus). 2016 , 16, 44	15
1534	Bridging Inter- and Intraspecific Trait Evolution with a Hierarchical Bayesian Approach. 2016 , 65, 417-31	21
1533	From the mountains to the coast and back again: Ancient biogeography in a radiation of short-range endemic harvestmen from California. 2016 , 98, 233-43	16
1532	The coevolution of innovation and technical intelligence in primates. 2016 , 371,	62
1531	A comparative perspective on the ecology of morphological diversification in complex societies: nesting ecology and soldier evolution in the turtle ants. 2016 , 70, 1075-1085	24
1530	Effect of body mass and melanism on heat balance in <i>Liolaemus</i> lizards of the goetschi clade. 2016 , 219, 1162-71	11
1529	Shape analysis of moss (Bryophyta) sporophytes: Insights into land plant evolution. 2016 , 103, 652-62	21

1528	The evolution of stridulatory communication in ants, revisited. 2016 , 63, 309-319	17
1527	Estimating the Effect of Competition on Trait Evolution Using Maximum Likelihood Inference. 2016 , 65, 700-10	59
1526	Microsatellite landscape evolutionary dynamics across 450 million years of vertebrate genome evolution. 2016 , 59, 295-310	28
1525	Virtual ancestor reconstruction: Revealing the ancestor of modern humans and Neandertals. 2016 , 91, 57-72	23
1524	Evolution of geographical place and niche space: Patterns of diversification in the North American sedge (Cyperaceae) flora. 2016 , 95, 183-95	26
1523	The Antarctic Circumpolar Current as a diversification trigger for deep-sea octocorals. 2016 , 16, 2	23
1522	Phylogenetic analyses suggest that diversification and body size evolution are independent in insects. 2016 , 16, 8	14
1521	Divergence times, historical biogeography, and shifts in speciation rates of Myrtales. 2016 , 95, 116-36	92
1520	Turtles Are Not Just Walking Stones: Conspicuous Coloration and Sexual Selection in Freshwater Turtles. 2016 , 9, 247-266	10
1519	Morphological Adaptations to Migration in Birds. 2016 , 43, 48-59	40
1518	The Craniolingual Morphology of Waterfowl (Aves, Anseriformes) and Its Relationship with Feeding Mode Revealed Through Contrast-Enhanced X-Ray Computed Tomography and 2D Morphometrics. 2016 , 43, 12-25	18
1517	Clarifying phylogenetic relationships and the evolutionary history of the bivalve order Arcida (Mollusca: Bivalvia: Pteriomorpha). 2016 , 94, 298-312	18
1516	Historical patterns of niche dynamics in Neotropical species of the <i>Drosophila</i> subgenus (<i>Drosophilidae</i> , <i>Diptera</i>). 2016 , 30, 47-67	
1515	Predicting microbial traits with phylogenies. 2016 , 10, 959-67	88
1514	Rumbling Orchids: How To Assess Divergent Evolution Between Chloroplast Endosymbionts and the Nuclear Host. 2016 , 65, 51-65	44
1513	Testing Convergence Versus History: Convergence Dominates Phenotypic Evolution for over 150 Million Years in Frogs. 2016 , 65, 146-60	70
1512	Functional morphology of the cave bear (<i>Ursus spelaeus</i>) mandible: a 3D geometric morphometric analysis. 2016 , 16, 299-314	22
1511	Cleaners among wrasses: Phylogenetics and evolutionary patterns of cleaning behavior within Labridae. 2016 , 94, 424-35	31

1510	Limited role of character displacement in the coexistence of congeneric <i>Anelosimus</i> spiders in a Madagascar montane forest. 2016 , 39, 743-753	9
1509	Phylogenies, the Comparative Method, and the Conflation of Tempo and Mode. 2016 , 65, 1-15	9
1508	Morphological Variation of the Forelimb and Claw in Neotropical Sigmodontine Rodents (Rodentia: Cricetidae). 2016 , 23, 81-91	15
1507	Chromosome diversity and evolution in <i>Allium</i> (Allioideae, Amaryllidaceae). 2017 , 151, 212-220	22
1506	Climatic niche evolution in the Andean genus <i>Menonvillea</i> (Cremolobeae: Brassicaceae). 2017 , 17, 11-28	10
1505	Fifteen species in one: deciphering the <i>Brachionus plicatilis</i> species complex (Rotifera, Monogononta) through DNA taxonomy. 2017 , 796, 39-58	147
1504	A phenology of the evolution of endothermy in birds and mammals. 2017 , 92, 1213-1240	67
1503	Movement correlates of lizards' dorsal pigmentation patterns. 2017 , 31, 370-376	18
1502	Rounding up the usual suspects: a standard target-gene approach for resolving the interfamilial phylogenetic relationships of cribellate orb-weaving spiders with a new family-rank classification (Araneae, Araneoidea). 2017 , 33, 221-250	76
1501	Global test of Eltonian niche conservatism of nonnative freshwater fish species between their native and introduced ranges. 2017 , 40, 384-392	12
1500	Phylogenetic community structure metrics and null models: a review with new methods and software. 2017 , 40, 461-477	75
1499	Comparative seed germination traits in alpine and subalpine grasslands: higher elevations are associated with warmer germination temperatures. 2017 , 19, 32-40	14
1498	Mechanical sensitivity and the dynamics of evolutionary rate shifts in biomechanical systems. 2017 , 284,	27
1497	Viral Phylogenomics Using an Alignment-Free Method: A Three-Step Approach to Determine Optimal Length of k-mer. 2017 , 7, 40712	23
1496	Ecological associations of autopodial osteology in Neotropical geckos. 2017 , 278, 290-299	8
1495	Osteological postcranial traits in hylid anurans indicate a morphological continuum between swimming and jumping locomotor modes. 2017 , 278, 403-417	12
1494	Global and regional dissemination and evolution of <i>Burkholderia pseudomallei</i> . 2017 , 2, 16263	87
1493	Fundamental species traits explain provisioning services of tropical American palms. 2017 , 3, 16220	33

1492	Would behavioral thermoregulation enable pregnant viviparous tropical lizards to cope with a warmer world?. 2017 , 12, 379-395	5
1491	Niche evolution and diversification in a Neotropical radiation of birds (Aves: Furnariidae). 2017 , 71, 702-715	29
1490	Frequency and maintenance of unreduced gametes in natural plant populations: associations with reproductive mode, life history and genome size. 2017 , 214, 879-889	47
1489	Mega-evolutionary dynamics of the adaptive radiation of birds. 2017 , 542, 344-347	160
1488	Phenotypic similarity in sympatric crow species: Evidence of social convergence?. 2017 , 71, 1051-1060	6
1487	Diversification in arid mountains: biogeography and cryptic diversity of <i>Pristurus rupestris rupestris</i> in Arabia. 2017 , 44, 1694-1704	32
1486	Convergent evolution in social swallows (Aves: Hirundinidae). 2017 , 7, 550-560	8
1485	Plant-soil feedbacks and mycorrhizal type influence temperate forest population dynamics. 2017 , 355, 181-184	299
1484	Divergent demographic strategies of plants in variable environments. 2017 , 1, 29	17
1483	Evolution of iris colour in relation to cavity nesting and parental care in passerine birds. 2017 , 13,	15
1482	Rare ecomorphological convergence on a complex adaptive landscape: Body size and diet mediate evolution of jaw shape in squirrels (Sciuridae). 2017 , 71, 633-649	46
1481	The measure of success: geographic isolation promotes diversification in <i>Pachydactylus</i> geckos. 2017 , 17, 9	16
1480	The interplay between natural and sexual selection in the evolution of sexual size dimorphism in lizards (Squamata: Phrynosomatidae). 2017 , 7, 905-917	20
1479	Change of Fate and Staminal Laminarity as Potential Agents of Floral Diversification in the Zingiberales. 2017 , 328, 41-54	4
1478	Stable isotopes and diet uncover trophic-niche divergence and ecological diversification processes of endemic reptiles on Socotra Island. 2017 , 267, 69-81	6
1477	Evolutionary history of lungfishes with a new phylogeny of post-Devonian genera. 2017 , 471, 209-219	19
1476	Great Expectations: Correlations between Pollinator Assemblages and Floral Characters in Lamiaceae. 2017 , 178, 170-187	14
1475	Palm economic and traditional uses, evolutionary history and the IUCN Red List. 2017 , 26, 1587-1600	3

1474	Macroevolutionary patterns in Rhynchocephalia: is the tuatara (<i>Sphenodon punctatus</i>) a living fossil?. 2017 , 60, 319-328	27
1473	Revisiting phylogenetic signal; strong or negligible impacts of polytomies and branch length information?. 2017 , 17, 53	57
1472	Wood decay rates of 13 temperate tree species in relation to wood properties, enzyme activities and organismic diversities. 2017 , 391, 86-95	86
1471	Common evolutionary trends underlie the four-bar linkage systems of sunfish and mantis shrimp. 2017 , 71, 1397-1405	12
1470	Side-necked Versus Hidden-necked: A Comparison of Shell Morphology Between Pleurodiran and Cryptodiran Turtles. 2017 , 73, 18	5
1469	Mass turnover and recovery dynamics of a diverse Australian continental radiation. 2017 , 71, 1352-1365	31
1468	Ecomorphological adaptation in three mudskippers (Teleostei: Gobioidi: Gobiidae) from the Persian Gulf and the Gulf of Oman. 2017 , 795, 91-111	13
1467	The remarkable convergence of skull shape in crocodylians and toothed whales. 2017 , 284,	38
1466	Coping with the cold: minimum temperatures and thermal tolerances dominate the ecology of mountain ants. 2017 , 42, 105-114	52
1465	Evolutionary constraints shape caste-specific gene expression across 15 ant species. 2017 , 71, 1273-1284	7
1464	Causes of ecological gradients in leaf margin entirety: Evaluating the roles of biomechanics, hydraulics, vein geometry, and bud packing. 2017 , 104, 354-366	21
1463	The statistical need to include phylogeny in trait-based analyses of community composition. <i>Methods in Ecology and Evolution</i> , 2017 , 8, 1192-1199	7.7 28
1462	Repeated evolution of soldier sub-castes suggests parasitism drives social complexity in stingless bees. 2017 , 8, 4	62
1461	Biogeography predicts macro-evolutionary patterning of gestural display complexity in a passerine family. 2017 , 71, 1406-1416	11
1460	Patterns of parental care in Neotropical glassfrogs: fieldwork alters hypotheses of sex-role evolution. 2017 , 30, 898-914	35
1459	Amphibian sensitivity to habitat modification is associated with population trends and species traits. 2017 , 26, 700-712	34
1458	Evolutionary population history of early Paleoamerican cranial morphology. 2017 , 3, e1602289	24
1457	Size and shape of eggs of Neognathae: effects of developmental mode and phylogeny. 2017 , 95, 359-366	6

1456	Sexual selection and sex ratios in Anolis lizards. 2017 , 302, 178-183	5
1455	Beetle Exoskeleton May Facilitate Body Heat Acting Differentially across the Electromagnetic Spectrum. 2017 , 90, 338-347	8
1454	The role of sexual and natural selection in shaping patterns of sexual dichromatism in the largest family of songbirds (Aves: Thraupidae). 2017 , 71, 1061-1074	35
1453	Computational biomechanics changes our view on insect head evolution. 2017 , 284,	13
1452	Pollinator type and secondarily climate are related to nectar sugar composition across the angiosperms. 2017 , 31, 585-602	16
1451	Discrete and morphometric traits reveal contrasting patterns and processes in the macroevolutionary history of a clade of scorpions. 2017 , 30, 814-825	11
1450	Haltere morphology and campaniform sensilla arrangement across Diptera. 2017 , 46, 215-229	21
1449	The Evolution of Range Sizes in Mammals and Squamates: Heritability and Differential Evolutionary Rates for Low- and High-Latitude Limits. 2017 , 44, 347-355	11
1448	Global biogeography of seed dormancy is determined by seasonality and seed size: a case study in the legumes. 2017 , 214, 1527-1536	66
1447	Climate, soil and plant functional types as drivers of global fine-root trait variation. 2017 , 105, 1182-1196	155
1446	Metabolic diversity of the emerging pathogenic lineages of <i>Klebsiella pneumoniae</i> . 2017 , 19, 1881-1898	40
1445	A morphometric mapping analysis of lower fourth deciduous premolar in hominoids: Implications for phylogenetic relationship between <i>Nakalipithecus</i> and <i>Ouranopithecus</i> . 2017 , 16, 655-669	4
1444	Spring predictability explains different leaf-out strategies in the woody florals of North America, Europe and East Asia. 2017 , 20, 452-460	39
1443	The evolution of feather coloration and song in Old World orioles (genus <i>Oriolus</i>). 2017 , 48, 1015-1024	8
1442	Recurrent breakdowns of mutualisms with ants in the neotropical ant-plant genus <i>Cecropia</i> (Urticaceae). 2017 , 111, 196-205	14
1441	Mechanosensation is evolutionarily tuned to locomotor mechanics. 2017 , 114, 4459-4464	39
1440	Population density and structure drive differential investment in pre- and postmating sexual traits in frogs. 2017 , 71, 1686-1699	33
1439	Morphological constraints on changing avian migration phenology. 2017 , 30, 1177-1184	7

1438	Climatic niche evolution is faster in sympatric than allopatric lineages of the butterfly genus. 2017 , 284,	12
1437	Evolution and diversity of ram-suction feeding in damselfishes (Pomacentridae). 2017 , 17, 497-508	8
1436	Complex biogeographic scenarios revealed in the diversification of the largest woodpecker radiation in the New World. 2017 , 112, 53-67	8
1435	Lower Ilium Evolution in Apes and Hominins. 2017 , 300, 828-844	20
1434	Logging increases the functional and phylogenetic dispersion of understorey plant communities in tropical lowland rain forest. 2017 , 105, 1235-1245	22
1433	Variation in brain anatomy in frogs and its possible bearing on their locomotor ecology. 2017 , 231, 38-58	13
1432	North Andean origin and diversification of the largest ithomiine butterfly genus. 2017 , 7, 45966	33
1431	Urbanisation and the loss of phylogenetic diversity in birds. 2017 , 20, 721-729	87
1430	Do taxonomic, phylogenetic and functional plant β diversity reflect environmental patterns in the Lower Paran River floodplain?. 2017 , 10, 153-165	5
1429	Codiversification of gastrointestinal microbiota and phylogeny in passerines is not explained by ecological divergence. 2017 , 26, 5292-5304	40
1428	The human retinoblastoma susceptibility gene (RB1): an evolutionary story in primates. 2017 , 28, 198-212	0
1427	Divergent morphologies of adhesive predatory mouthparts of <i>Stenus</i> species (Coleoptera: Staphylinidae) explain differences in adhesive performance and resulting prey-capture success. 2017 , 181, 500-518	4
1426	Direct benefits and evolutionary transitions to complex societies. 2017 , 1, 137	20
1425	Microhabitat and Climatic Niche Change Explain Patterns of Diversification among Frog Families. 2017 , 190, 29-44	40
1424	The evolution of a complex trait: cuticular hydrocarbons in ants evolve independent from phylogenetic constraints. 2017 , 30, 1372-1385	12
1423	eadem figura manet: Measuring morphological convergence in diplocentrid scorpions (Arachnida : Scorpiones : Diplocentridae) under a multilocus phylogenetic framework. 2017 , 31, 233	11
1422	The multi-faceted dynamics of HIV-1 transmission in Northern Alberta: A combined analysis of virus genetic and public health data. 2017 , 52, 100-105	9
1421	Cranial suture complexity in caviomorph rodents (Rodentia; Ctenohystrica). 2017 , 278, 1125-1136	5

1420	Diversity and evolution of sex determination systems in terrestrial isopods. 2017 , 7, 1084	22
1419	Polyploid species rely on vegetative reproduction more than diploids: a re-examination of the old hypothesis. 2017 , 120, 341-349	39
1418	A time and a place for everything: phylogenetic history and geography as joint predictors of oak plastome phylogeny. 2017 , 60, 720-732	42
1417	No fitness benefits of early molt in a fairy-wren: relaxed sexual selection under genetic monogamy?. 2017 , 28, 1055-1067	7
1416	How do seemingly non-vagile clades accomplish trans-marine dispersal? Trait and dispersal evolution in the landfowl (Aves: Galliformes). 2017 , 284,	25
1415	Testing the hypothesis that biological modularity is shaped by adaptation: Xylem in the <i>Bursera simaruba</i> clade of tropical trees. 2017 , 19, 111-123	9
1414	Phylogenetic signals in scale shape in Caucasian rock lizards (<i>Darevskia</i> species). 2017 , 268, 32-40	8
1413	Global correlates of extinction risk in freshwater crayfish. 2017 , 20, 532-542	20
1412	A worldview of root traits: the influence of ancestry, growth form, climate and mycorrhizal association on the functional trait variation of fine-root tissues in seed plants. 2017 , 215, 1562-1573	131
1411	Correlation between ontogenetic dietary shifts and venom variation in Australian brown snakes (<i>Pseudonaja</i>). 2017 , 197, 53-60	39
1410	Scaling Up the Phylogenetic Detection of Lateral Gene Transfer Events. 2017 , 1525, 421-432	2
1409	Diversification of <i>Caioophora</i> (Loasaceae subfam. Loasoideae) during the uplift of the Central Andes. 2017 , 17, 29-41	9
1408	Patterns, causes and consequences of genome size variation in Restionaceae of the Cape flora. 2017 , 183, 515-531	3
1407	Multiple independent colonizations into the Congo Basin during the continental radiation of African <i>Mastacembelus</i> spiny eels. 2017 , 44, 2308-2318	15
1406	Widespread ecomorphological convergence in multiple fish families spanning the marine-freshwater interface. 2017 , 284,	17
1405	Divergence of species responses to climate change. 2017 , 3, e1603055	167
1404	Patterns of divergence in fish species separated by the Isthmus of Panama. 2017 , 17, 111	18
1403	Echoes from the past: New insights into the early hominin cochlea from a phylo-morphometric approach. 2017 , 16, 508-520	7

1402	Geminivirus data warehouse: a database enriched with machine learning approaches. 2017 , 18, 240	18
1401	Interaction Between Morphology and Habitat Use: A Large-Scale Approach in Tropicurinae Lizards. 2017 , 554, 1	5
1400	Light-dependent associations of germination proportion with seed mass in alpine grasslands of the Qinghai-Tibet plateau. 2017 , 105, 306-313	8
1399	Labrid cleaner fishes show kinematic convergence as juveniles despite variation in morphology. 2017 , 220, 2787-2797	5
1398	Comparative cytomechanical analyses reveal karyotype variability related to biogeographic and species richness patterns in Bombacoideae (Malvaceae). 2017 , 303, 1131-1144	13
1397	Out of the dark: 350 million years of conservatism and evolution in diel activity patterns in vertebrates. 2017 , 71, 1944-1959	45
1396	Does habitat structural complexity influence the frequency of extra-pair paternity in birds?. 2017 , 71, 1	15
1395	Avian egg shape: Form, function, and evolution. 2017 , 356, 1249-1254	93
1394	Heterogeneous tempo and mode of evolutionary diversification of compounds in lizard chemical signals. 2017 , 7, 1286-1296	11
1393	Disturbance is an important factor in the evolution and distribution of root-sprouting species. 2017 , 31, 387-399	17
1392	Craniodental functional evolution in sauropodomorph dinosaurs. 2017 , 43, 435-462	21
1391	Habitat structure is linked to the evolution of plumage colour in female, but not male, fairy-wrens. 2017 , 17, 35	15
1390	Growth sites of polypores from quantitative expert evaluation: Late-stage decayers and saprotrophs fruit closer to ground. 2017 , 28, 53-65	2
1389	The diversity of CO ₂ -concentrating mechanisms in marine diatoms as inferred from their genetic content. 2017 , 68, 3937-3948	19
1388	Independent evolution of baleen whale gigantism linked to Plio-Pleistocene ocean dynamics. 2017 , 284,	105
1387	Plasticity and Convergence in the Evolution of Short-Necked Plesiosaurs. 2017 , 27, 1667-1676.e3	30
1386	Correlated evolution between coloration and ambush site in predators with visual prey lures. 2017 , 71, 2010-2021	7
1385	Tropical insect diversity: evidence of greater host specialization in seed-feeding weevils. 2017 , 98, 2180-2190	17

1384	Convergence, Consilience, and the Evolution of Temperate Deciduous Forests. 2017 , 190, S87-S104	29
1383	Shallow size-density relations within mammal clades suggest greater intra-guild ecological impact of large-bodied species. 2017 , 86, 1205-1213	17
1382	ratematrix: An R package for studying evolutionary integration among several traits on phylogenetic trees. <i>Methods in Ecology and Evolution</i> , 2017 , 8, 1920-1927	7.7 32
1381	The phylogeny and biogeography of <i>Hakea</i> (Proteaceae) reveals the role of biome shifts in a continental plant radiation. 2017 , 71, 1928-1943	43
1380	Theoretical calculations of bite force in billfishes. 2017 , 303, 15-26	2
1379	Feeding ecology is the primary driver of beak shape diversification in waterfowl. 2017 , 31, 1985-1995	55
1378	Specialised generalists? Food web structure of a tropical tachinid-caterpillar community. 2017 , 10, 367-384	9
1377	Quantitative discrimination of flightlessness in fossil Anatidae from skeletal proportions. 2017 , 134, 672-695	6
1376	The Genome Sizes of Ostracod Crustaceans Correlate with Body Size and Evolutionary History, but not Environment. 2017 , 108, 701-706	9
1375	Ecological drivers of body size evolution and sexual size dimorphism in short-horned grasshoppers (Orthoptera: Acrididae). 2017 , 30, 1592-1608	14
1374	Scaling of rotational inertia of primate mandibles. 2017 , 106, 119-132	8
1373	Accelerated body size evolution during cold climatic periods in the Cenozoic. 2017 , 114, 4183-4188	39
1372	Secrets of succulence. 2017 , 68, 2121-2134	42
1371	Macroevolution of thermal tolerance in intertidal crabs from Neotropical provinces: A phylogenetic comparative evaluation of critical limits. 2017 , 7, 3167-3176	17
1370	Convergent Reversion to Single Mating in a Wasp Social Parasite. 2017 , 189, E138-E151	4
1369	Form-function relationships in dragonfly mandibles under an evolutionary perspective. 2017 , 14,	9
1368	Phylogeny and biogeography of the scaleless scale worm (Sigalionidae, Annelida). 2017 , 7, 2894-2915	5
1367	Partner abundance controls mutualism stability and the pace of morphological change over geologic time. 2017 , 114, 3951-3956	30

1366	Primate brain size is predicted by diet but not sociality. 2017 , 1, 112	208
1365	Hummingbird pollination and the diversification of angiosperms: an old and successful association in Gesneriaceae. 2017 , 284,	48
1364	Unlocking the story in the swab: A new genotyping assay for the amphibian chytrid fungus <i>Batrachochytrium dendrobatidis</i> . 2017 , 17, 1283-1292	22
1363	treespace: Statistical exploration of landscapes of phylogenetic trees. 2017 , 17, 1385-1392	86
1362	Divergence of thermal physiological traits in terrestrial breeding frogs along a tropical elevational gradient. 2017 , 7, 3257-3267	37
1361	Specialization to Extremely Low-Nutrient Soils Limits the Nutritional Adaptability of Plant Lineages. 2017 , 189, 684-699	20
1360	Functional morphological adaptations of the bony labyrinth in marsupials (Mammalia, Theria). 2017 , 278, 742-749	13
1359	Terrestrial reproduction as an adaptation to steep terrain in African toads. 2017 , 284,	20
1358	Dynamic microbiome evolution in social bees. 2017 , 3, e1600513	183
1357	Phylogenomic inferences from reference-mapped and de novo assembled short-read sequence data using RADseq sequencing of California white oaks (<i>Quercus</i> section <i>Quercus</i>). 2017 , 60, 743-755	35
1356	Species-level phylogeny, fruit evolution and diversification history of <i>Geranium</i> (Geraniaceae). 2017 , 110, 134-149	18
1355	How well does a part represent the whole? A comparison of cranial shape evolution with exoskeletal character evolution in the trilobite family <i>Pteroccephaliidae</i> . 2017 , 60, 309-318	13
1354	The assembly of ant-farmed gardens: mutualism specialization following host broadening. 2017 , 284,	18
1353	Ability to reorient is weakly correlated with central-place versus non-central-place foraging in acacia ants. 2017 , 71, 1	2
1352	Molecular phylogeny of <i>Malenchus</i> and <i>Filenchus</i> (Nematoda: Tylenchidae). 2017 , 46, 625-636	17
1351	Differential scaling patterns of vertebrae and the evolution of neck length in mammals. 2017 , 71, 1587-1599	21
1350	Ecological diversification of the Australian <i>Coptotermes</i> termites and the evolution of mound building. 2017 , 44, 1405-1417	10
1349	Ecological diversification associated with the benthic-to-pelagic transition by North American minnows. 2017 , 30, 549-560	19

1348	Water supply and demand remain coordinated during breakdown of the global scaling relationship between leaf size and major vein density. 2017 , 214, 473-486	13
1347	How phylogeny and foraging ecology drive the level of chemosensory exploration in lizards and snakes. 2017 , 30, 627-640	24
1346	Species traits explaining sensitivity of snakes to human land use estimated from citizen science data. 2017 , 206, 31-36	20
1345	Evolution of genome size and genomic GC content in carnivorous holokinetics (Droseraceae). 2017 , 119, 409-416	16
1344	The ecology of a continental evolutionary radiation: Is the radiation of sigmodontine rodents adaptive?. 2017 , 71, 610-632	55
1343	Ecomorphological adaptations in Collembola in relation to feeding strategies and microhabitat. 2017 , 78, 82-91	17
1342	A biomechanical view on stinger diversity in scorpions. 2017 , 230, 497-509	12
1341	Following the Antarctic Circumpolar Current: patterns and processes in the biogeography of the limpet <i>Nacella</i> (Mollusca: Patellogastropoda) across the Southern Ocean. 2017 , 44, 861-874	26
1340	Relationships Among Powered Flight, Metabolic Rate, Body Mass, Genome Size, and the Retrotransposon Complement of Volant Birds. 2017 , 44, 261-272	6
1339	Analysis of phylogenetic relationships and genome size evolution of the <i>Amaranthus</i> genus using GBS indicates the ancestors of an ancient crop. 2017 , 109, 80-92	70
1338	Impacts of changing rainfall regime on the demography of tropical birds. 2017 , 7, 133-136	51
1337	A phylogeny of the treehopper subfamily Heteronotinae reveals convergent pronotal traits (Hemiptera: Auchenorrhyncha: Membracidae). 2017 , 42, 410-428	10
1336	A phylogenetic approach to conservation prioritization for Europe's bumblebees (Hymenoptera: Apidae: <i>Bombus</i>). 2017 , 206, 21-30	6
1335	The phylogeny of <i>Heliconia</i> (Heliconiaceae) and the evolution of floral presentation. 2017 , 117, 150-167	9
1334	Radiating despite a Lack of Character: Ecological Divergence among Closely Related, Morphologically Similar Honeyeaters (Aves: Meliphagidae) Co-occurring in Arid Australian Environments. 2017 , 189, E14-E30	33
1333	Cytogenetic features of rRNA genes across land plants: analysis of the Plant rDNA database. 2017 , 89, 1020-1030	74
1332	The dynamic evolutionary history of genome size in North American woodland salamanders. 2017 , 60, 285-292	2
1331	Ecomorphology and evolution of the pharyngeal apparatus of benthic damselfishes (Pomacentridae, subfamily Stegastinae). 2017 , 164, 1	7

1330	Evolutionary history biases inferences of ecology and environment from \mathbb{R} but not \mathbb{D} values. 2017 , 8, 1106	10
1329	Phenotypic Innovation and Adaptive Constraints in the Evolutionary Radiation of Palaeozoic Crinoids. 2017 , 7, 13745	31
1328	Evolution of extreme ontogenetic allometric diversity and heterochrony in pythons, a clade of giant and dwarf snakes. 2017 , 71, 2829-2844	42
1327	Low Levels of Fruit Nitrogen as Drivers for the Evolution of Madagascar's Primate Communities. 2017 , 7, 14406	22
1326	Evolution of the anuran foam nest: trait conservatism and lineage diversification. 2017 , 122, 814-823	8
1325	Genus-wide variation in foliar polyphenolics in eucalypts. 2017 , 144, 197-207	16
1324	Intraspecific trait variation can weaken interspecific trait correlations when assessing the whole-plant economic spectrum. 2017 , 7, 8936-8949	20
1323	The evolution of cranial base and face in Cercopithecoidea and Hominoidea: Modularity and morphological integration. 2017 , 79, e22721	19
1322	Selective regimes and functional anatomy in the mustelid forelimb: Diversification toward specializations for climbing, digging, and swimming. 2017 , 7, 8852-8863	18
1321	Ctenophore relationships and their placement as the sister group to all other animals. 2017 , 1, 1737-1746	128
1320	Multiple Geographical Origins of Environmental Sex Determination enhanced the diversification of Darwin's Favourite Orchids. 2017 , 7, 12878	11
1319	Big brains stabilize populations and facilitate colonization of variable habitats in birds. 2017 , 1, 1706-1715	34
1318	Two genomes of highly polyphagous lepidopteran pests (<i>Spodoptera frugiperda</i> , Noctuidae) with different host-plant ranges. 2017 , 7, 11816	146
1317	Soil biota contributions to soil aggregation. 2017 , 1, 1828-1835	148
1316	Semicircular canals in lizards: ecomorphological convergence and ecomorph affinities of fossil species. 2017 , 4, 170058	15
1315	Viral Richness is Positively Related to Group Size, but Not Mating System, in Bats. 2017 , 14, 652-661	12
1314	Evolutionary mechanisms of runaway chromosome number change in <i>Agrodiaetus</i> butterflies. 2017 , 7, 8199	20
1313	Host conservatism, geography, and elevation in the evolution of a Neotropical moth radiation. 2017 , 71, 2885-2900	8

1312	Neutral lipid fatty acid composition as trait and constraint in Collembola evolution. 2017 , 7, 9624-9638	10
1311	The biomechanical origin of extreme wing allometry in hummingbirds. 2017 , 8, 1047	12
1310	Avian SDMs: current state, challenges, and opportunities. 2017 , 48, 1483-1504	48
1309	Mating system as a possible driver of behavioral diversity in <i>Peromyscus</i> . 2017 , 71, 1	3
1308	Rapid Diversification and Time Explain Amphibian Richness at Different Scales in the Tropical Andes, Earth's Most Biodiverse Hotspot. 2017 , 190, 828-843	61
1307	Macroevolutionary constraints to tolerance: trade-offs with drought tolerance and phenology, but not resistance. 2017 , 98, 2758-2772	7
1306	Trait shifts associated with the subshrub life-history strategy in a tropical savanna. 2017 , 185, 281-291	3
1305	A toothless dwarf dolphin (Odontoceti: Xenorophidae) points to explosive feeding diversification of modern whales (Neoceti). 2017 , 284,	20
1304	Breeding biology and the evolution of dynamic sexual dichromatism in frogs. 2017 , 30, 2104-2115	18
1303	The morphology of the inner ear of squamate reptiles and its bearing on the origin of snakes. 2017 , 4, 170685	22
1302	The chicken or the egg? Adaptation to desiccation and salinity tolerance in a lineage of water beetles. 2017 , 26, 5614-5628	9
1301	The evolution of the platyrrhine talus: A comparative analysis of the phenetic affinities of the Miocene platyrrhines with their modern relatives. 2017 , 111, 179-201	6
1300	Differential procoagulant effects of saw-scaled viper (Serpentes: Viperidae: <i>Echis</i>) snake venoms on human plasma and the narrow taxonomic ranges of antivenom efficacies. 2017 , 280, 159-170	57
1299	Ecological and phylogenetic variability in the spinalis muscle of snakes. 2017 , 30, 2031-2043	8
1298	The Role of Diet in Shaping the Chemical Signal Design of Lacertid Lizards. 2017 , 43, 902-910	11
1297	Habitat Association Predicts Genetic Diversity and Population Divergence in Amazonian Birds. 2017 , 190, 631-648	48
1296	Parallel Evolution of Group B Hypervirulent Clonal Complex 17 Unveils New Pathoadaptive Mutations. 2017 , 2,	22
1295	Fruit defence syndromes: the independent evolution of mechanical and chemical defences. 2017 , 31, 913-923	11

1294	Innately shorter vegetation periods in North American species explain native-non-native phenological asymmetries. 2017 , 1, 1655-1660	24
1293	Evolutionary shifts in gene expression decoupled from gene duplication across functionally distinct spider silk glands. 2017 , 7, 8393	18
1292	Digest: Different evolutionary dynamics led to the convergence of clinging performance in lizard toepads. 2017 , 71, 2537-2538	1
1291	Frequent and parallel habitat transitions as driver of unbounded radiations in the Cape flora. 2017 , 71, 2548-2561	11
1290	The skull roof tracks the brain during the evolution and development of reptiles including birds. 2017 , 1, 1543-1550	47
1289	Intense natural selection preceded the invasion of new adaptive zones during the radiation of New World leaf-nosed bats. 2017 , 7, 11076	29
1288	Riparian plant litter quality increases with latitude. 2017 , 7, 10562	46
1287	Towards a geography of omnivory: Omnivores increase carnivory when sodium is limiting. 2017 , 86, 1523-1531	18
1286	Long-legged bees make adaptive leaps: linking adaptation to coevolution in a plant-pollinator network. 2017 , 284,	17
1285	Evolution of floral zygomorphy in androecium and corolla in Solanaceae. 2017 , 55, 581-590	4
1284	A biomechanical approach to understand the ecomorphological relationship between primate mandibles and diet. 2017 , 7, 8364	19
1283	Comparison of musculoskeletal networks of the primate forelimb. 2017 , 7, 10520	8
1282	Opposite trends in the genus <i>Monsonia</i> (Geraniaceae): specialization in the African deserts and range expansions throughout eastern Africa. 2017 , 7, 9872	3
1281	Revisiting size and scaling in the anthropoid temporomandibular joint. 2017 , 124, 73-94	2
1280	Genomic insights into the ancient spread of Lyme disease across North America. 2017 , 1, 1569-1576	19
1279	Macroevolutionary diversification of glands for chemical communication in squamate reptiles. 2017 , 7, 9288	20
1278	Global decline of bumblebees is phylogenetically structured and inversely related to species range size and pathogen incidence. 2017 , 284,	53
1277	Finding sacral: Developmental evolution of the axial skeleton of odontocetes (Cetacea). 2017 , 19, 190-204	7

- 1276 Evolution and developmental genetics of floral display: A review of progress. **2017**, 55, 487-515 8
- 1275 Genome size dynamics in tribe Gilliesieae (Amaryllidaceae, subfamily Allioideae) in the context of polyploidy and unusual incidence of Robertsonian translocations. **2017**, 184, 16-31 12
- 1274 Phylogenetic conservatism of species range size is the combined outcome of phylogeny and environmental stability. **2017**, 44, 2451-2462 11
- 1273 Insights into the historical assembly of East Asian subtropical evergreen broadleaved forests revealed by the temporal history of the tea family. **2017**, 215, 1235-1248 72
- 1272 Caste differences in the mushroom bodies of swarm-founding paper wasps: implications for brain plasticity and brain evolution (Vespidae, Epiponini). **2017**, 71, 1 10
- 1271 Molecular phylogeny of Miltogramminae (Diptera: Sarcophagidae): Implications for classification, systematics and evolution of larval feeding strategies. **2017**, 116, 49-60 30
- 1270 Rates and relations of mitochondrial genome evolution across the Echinoidea, with special focus on the superfamily Odontophora. **2017**, 7, 4543-4551 4
- 1269 Diversity and stability of coral endolithic microbial communities at a naturally high pCO₂ reef. **2017**, 26, 5344-5357 19
- 1268 Diversification and fruit evolution in eumalvoids (Malvaceae). **2017**, 184, 401-417 10
- 1267 Phylogeny of locusts and grasshoppers reveals complex evolution of density-dependent phenotypic plasticity. **2017**, 7, 6606 27
- 1266 Long-spurred *Angraecum* orchids and long-tongued sphingid moths on Madagascar: a time frame for Darwin's predicted *Xanthopan/Angraecum* coevolution. **2017**, 122, 469-478 8
- 1265 Rapid maximum likelihood ancestral state reconstruction of continuous characters: A rerooting-free algorithm. **2017**, 7, 2791-2797 12
- 1264 Has snake fang evolution lost its bite? New insights from a structural mechanics viewpoint. **2017**, 13, 23 23
- 1263 Decoupled diversification dynamics of feeding morphology following a major functional innovation in marine butterflyfishes. **2017**, 284, 10 10
- 1262 Catch a tiger snake by its tail: Differential toxicity, co-factor dependence and antivenom efficacy in a procoagulant clade of Australian venomous snakes. **2017**, 202, 39-54 29
- 1261 Comparing the rankings obtained from two biodiversity indices: the Fair Proportion Index and the Shapley Value. **2017**, 430, 207-214 5
- 1260 Assessing the relationships between phylogenetic and functional singularities in sharks (Chondrichthyes). **2017**, 7, 6292-6303 9
- 1259 Does responsiveness to arbuscular mycorrhizal fungi depend on plant invasive status?. **2017**, 7, 6482-6492 25

1258	Flowering time evolution is independent of serpentine tolerance in the California flora. 2017 , 8, e01767	3
1257	Seed mass of angiosperm woody plants better explained by life history traits than climate across China. 2017 , 7, 2741	5
1256	White-gutted soldiers: simplification of the digestive tube for a non-particulate diet in higher Old World termites (Isoptera: Termitidae). 2017 , 64, 525-533	7
1255	Phylogenetic evidence from freshwater crayfishes that cave adaptation is not an evolutionary dead-end. 2017 , 71, 2522-2532	20
1254	Invasive cane toads are unique in shape but overlap in ecological niche compared to Australian native frogs. 2017 , 7, 7609-7619	4
1253	Pathogenicity Locus, Core Genome, and Accessory Gene Contributions to Virulence. 2017 , 8,	36
1252	Rise of the spiny ants: diversification, ecology and function of extreme traits in the hyperdiverse genus Pheidole (Hymenoptera: Formicidae). 2017 , 122, 514-538	15
1251	Bite it forward [Bite it better? Incisor procumbency and mechanical advantage in the chisel-tooth and scratch-digger genus Ctenomys (Caviomorpha, Rodentia). 2017 , 125, 53-68	9
1250	Early photosynthetic eukaryotes inhabited low-salinity habitats. 2017 , 114, E7737-E7745	158
1249	Cradles and museums of Antarctic teleost biodiversity. 2017 , 1, 1379-1384	26
1248	Relationship between developmental modes, flight styles, and wing morphology in birds. 2017 , 84, 390-401	3
1247	The Scent Chemistry of Heliconius Wing Androconia. 2017 , 43, 843-857	19
1246	Live bearing promotes the evolution of sociality in reptiles. 2017 , 8, 2030	26
1245	Phylogenetic turnover during subtropical forest succession across environmental and phylogenetic scales. 2017 , 7, 11079-11091	19
1244	Reply to Nakov et al.: Model choice requires biological insight when studying the ancestral habitat of photosynthetic eukaryotes. 2017 , 114, E10608-E10609	6
1243	Different diversity-dependent declines in speciation rate unbalances species richness in terrestrial slugs. 2017 , 7, 16198	3
1242	Cooperative breeding influences the number and type of vocalizations in avian lineages. 2017 , 284,	26
1241	Biotic interchange has structured Western Hemisphere mammal communities. 2017 , 26, 1408-1422	4

1240	Maximizing Power in Phylogenetics and Phylogenomics: A Perspective Illuminated by Fungal Big Data. 2017 , 100, 1-47	14
1239	Integrated genomic and interfacility patient-transfer data reveal the transmission pathways of multidrug-resistant in a regional outbreak. 2017 , 9,	32
1238	Associations among Antibiotic and Phage Resistance Phenotypes in Natural and Clinical Isolates. 2017 , 8,	29
1237	Temporal niche expansion in mammals from a nocturnal ancestor after dinosaur extinction. 2017 , 1, 1889-1895	54
1236	Bioclimatic niches are conserved and unrelated to pollination syndromes in Antillean Gesneriaceae. 2017 , 4, 170293	3
1235	Selection of Character Coding Method Is Not Phylogenetically Neutral: A Test Case Using Hominoids. 2017 , 88, 385-400	2
1234	Evolution of a complex phenotype with biphasic ontogeny: Contribution of development versus function and climatic variation to skull modularity in toads. 2017 , 7, 10752-10769	11
1233	Mass extinction in tetraodontiform fishes linked to the Palaeocene-Eocene thermal maximum. 2017 , 284,	16
1232	Genomic history of the seventh pandemic of cholera in Africa. 2017 , 358, 785-789	157
1231	Phylogenetic patterns of foliar mineral nutrient accumulation among gypsophiles and their relatives in the Chihuahuan Desert. 2017 , 104, 1442-1450	10
1230	Repeated evolution of vertebrate pollination syndromes in a recently diverged Andean plant clade. 2017 , 71, 1970-1985	36
1229	The Bold and the Beautiful: a Neurotoxicity Comparison of New World Coral Snakes in the Micruroides and Micrurus Genera and Relative Neutralization by Antivenom. 2017 , 32, 487-495	19
1228	Phylogeny and biogeography of Maclura (Moraceae) and the origin of an anachronistic fruit. 2017 , 117, 49-59	13
1227	Evolution of Plant-Insect Interactions. 2017 , 25-53	17
1226	Is pollen size a robust proxy for moisture availability?. 2017 , 246, 161-166	4
1225	Metagenomic binning of a marine sponge microbiome reveals unity in defense but metabolic specialization. 2017 , 11, 2465-2478	88
1224	Morphology captures diet and locomotor types in rodents. 2017 , 4, 160957	42
1223	Metamorphosis Is Ancestral for Crown Euarthropods, and Evolved in the Cambrian or Earlier. 2017 , 57, 499-509	19

1222	The evolution of climatic niches in squamate reptiles. 2017 , 284,	20
1221	The epidemic dynamics of hepatitis C virus subtypes 4a and 4d in Saudi Arabia. 2017 , 7, 44947	19
1220	Environmentally driven extinction and opportunistic origination explain fern diversification patterns. 2017 , 7, 4831	57
1219	Evolution of the ST2250 Clone in Northeastern Thailand Is Linked with the Acquisition of Livestock-Associated Staphylococcal Genes. 2017 , 8,	32
1218	Geographical diversification and the effect of model and data inadequacies: the bat diversity gradient as a case study. 2017 , 121, 894-906	7
1217	A critical comment on the "multiple variance Brownian motion" model of Smaers et al. (2016). 2017 , 121, 223-228	
1216	The Structured Coalescent and Its Approximations. 2017 , 34, 2970-2981	53
1215	Microbiome Structural and Functional Interactions across Host Dietary Niche Space. 2017 , 57, 743-755	21
1214	Conserving Phylogenetic Diversity Can Be a Poor Strategy for Conserving Functional Diversity. 2017 , 66, 1019-1027	45
1213	Do plant-eating insect lineages pass through phases of host-use generalism during speciation and host switching? Phylogenetic evidence. 2017 , 71, 2100-2109	14
1212	SFREEMAP - A simulation-free tool for stochastic mapping. 2017 , 18, 123	1
1211	Phenotypic disparity in Iberian short-horned grasshoppers (Acrididae): the role of ecology and phylogeny. 2017 , 17, 109	3
1210	Evolutionary radiations in the species-rich mountain genus <i>Saxifraga</i> L. 2017 , 17, 119	30
1209	treeman: an R package for efficient and intuitive manipulation of phylogenetic trees. 2017 , 10, 30	13
1208	Phylogenetic signal of photobiont switches in the lichen genus <i>Pseudocyphellaria</i> s. l. follows a Brownian motion model. 2017 , 72, 215-223	1
1207	Influence of phylogenetic conservatism and trait convergence on the interactions between fungal root endophytes and plants. 2017 , 11, 777-790	40
1206	Defensive traits exhibit an evolutionary trade-off and drive diversification in ants. 2017 , 71, 315-328	51
1205	A global test for phylogenetic signal in shifts in flowering time under climate change. 2017 , 105, 627-633	21

1204	Plant functional groups within a tropical forest exhibit different wood functional anatomy. 2017 , 31, 582-591		16
1203	Are 3 °C too much? Thermal niche breadth in Bromeliaceae and global warming. 2017 , 105, 507-516		16
1202	Colonization and diversification of aquatic insects on three Macaronesian archipelagos using 59 nuclear loci derived from a draft genome. 2017 , 107, 27-38		25
1201	Quantitative conservation genetics of wild and managed bees. 2017 , 18, 689-700		7
1200	Nuclear DNA content correlates with depth, body size, and diversification rate in amphipod crustaceans from ancient Lake Baikal, Russia. 2017 , 60, 303-309		11
1199	Unique Turbinal Morphology in Horseshoe Bats (Chiroptera: Rhinolophidae). 2017 , 300, 309-325		9
1198	Patterns of MHC-dependent mate selection in humans and nonhuman primates: a meta-analysis. 2017 , 26, 668-688		67
1197	Whole genome-based population biology and epidemiological surveillance of <i>Listeria monocytogenes</i> . 2016 , 2, 16185		327
1196	Brain size evolution in pipefishes and seahorses: the role of feeding ecology, life history and sexual selection. 2017 , 30, 150-160		6
1195	Timing and host plant associations in the evolution of the weevil tribe Apionini (Apioninae, Brentidae, Curculionoidea, Coleoptera) indicate an ancient co-diversification pattern of beetles and flowering plants. 2017 , 107, 179-190		13
1194	Molecular phylogeny, character evolution and historical biogeography of <i>Cryptanthus</i> Otto & A. Dietr. (Bromeliaceae). 2017 , 107, 152-165		11
1193	Lack of Evolution of Sexual Size Dimorphism in Heteromyidae (Rodentia): The Influence of Resource Defense and the Trade-Off between Pre- and Post-Copulatory Trait Investment. 2017 , 44, 56-68		0
1192	ggtree: an r package for visualization and annotation of phylogenetic trees with their covariates and other associated data. <i>Methods in Ecology and Evolution</i> , 2017 , 8, 28-36	7.7	1399
1191	Ecomorph Evolution in <i>Myotis</i> (Vespertilionidae, Chiroptera). 2017 , 24, 475-484		10
1190	Sex Determination, Sex Chromosomes, and Karyotype Evolution in Insects. 2017 , 108, 78-93		84
1189	Does diet drive the evolution of head shape and bite force in chameleons of the genus <i>Bradypodion</i> ?. 2017 , 31, 671-684		19
1188	A multilocus phylogeny of Podoctidae (Arachnida, Opiliones, Laniatores) and parametric shape analysis reveal the disutility of subfamilial nomenclature in armored harvestman systematics. 2017 , 106, 164-173		14
1187	Range size heritability and diversification patterns in the liverwort genus <i>Radula</i> . 2017 , 106, 73-85		12

1186	Ecogeographical gradients in plumage coloration among Australasian songbird clades. 2017 , 26, 261-274	21
1185	Palaeobiology of <i>Hyaenodon exiguus</i> (Hyaenodonta, Mammalia) based on morphometric analysis of the bony labyrinth. 2017 , 230, 282-289	9
1184	Influence of plant-pollinator interactions on the assembly of plant and hummingbird communities. 2017 , 105, 332-344	32
1183	Phylogenetic signal in phenotypic traits related to carbon source assimilation and chemical sensitivity in <i>Acinetobacter</i> species. 2017 , 101, 367-379	10
1182	Does the colonization of new biogeographic regions influence the diversification and accumulation of clade richness among the Corvidae (Aves: Passeriformes)? 2017 , 71, 38-50	17
1181	Sexual selection predicts brain structure in dragon lizards. 2017 , 30, 244-256	10
1180	Does wing size shape insect biogeography? Evidence from a diverse regional stonefly assemblage. 2017 , 26, 93-101	30
1179	Evolutionary and environmental determinants of freshwater fish thermal tolerance and plasticity. 2017 , 23, 728-736	60
1178	Contrasting evidence of phylogenetic trophic niche conservatism in mammals worldwide. 2017 , 44, 99-110	32
1177	Phylogenetic relatedness, phenotypic similarity and plant-soil feedbacks. 2017 , 105, 786-800	30
1176	Community variation in wood density along a bioclimatic gradient on a hyper-diverse tropical island. 2017 , 28, 19-33	18
1175	Spatial and evolutionary parallelism between shade and drought tolerance explains the distributions of conifers in the conterminous United States. 2017 , 26, 31-42	26
1174	Ecological divergence in the yellow-bellied kingsnake (<i>Lampropeltis calligaster</i>) at two North American biodiversity hotspots. 2017 , 106, 61-72	14
1173	Importance of whole-plant biomass allocation and reproductive timing to habitat differentiation across the North American sunflowers. 2017 , 119, 1131-1142	13
1172	Phylogenetic classification of bony fishes. 2017 , 17, 162	384
1171	Contrasting evolutionary processes during Quaternary climatic changes and historical orogenies: a case study of the Japanese endemic primroses <i>Primula</i> sect. <i>Reinii</i> . 2017 , 120, 943-954	5
1170	Popmarker: Identifying Phylogenetic Markers at the Population Level. 2017 , 13, 1176934317724404	1
1169	Comparison of methods for phylogenetic B-cell lineage inference using time-resolved antibody repertoire simulations (AbSim). 2017 , 33, 3938-3946	24

1168	Evolution of the process underlying floral zygomorphy development in pentapetalous angiosperms. 2017 , 104, 1846-1856	12
1167	Arboreality constrains morphological evolution but not species diversification in vipers. 2017 , 284,	17
1166	Host susceptibility to snake fungal disease is highly dispersed across phylogenetic and functional trait space. 2017 , 3, e1701387	21
1165	Long-term nitrogen addition affects the phylogenetic turnover of soil microbial community responding to moisture pulse. 2017 , 7, 17492	45
1164	Shoot apical meristem and plant body organization: a cross-species comparative study. 2017 , 120, 833-843	8
1163	Effects of host traits and land-use changes on the gut microbiota of the Namibian black-backed jackal (<i>Canis mesomelas</i>). 2017 , 93,	16
1162	Geographic isolation facilitates the evolution of reproductive isolation and morphological divergence. 2017 , 7, 10278-10288	8
1161	Phylogeny and evolution of achenial trichomes in the <i>Lucilia</i> -group (Asteraceae: Gnaphalieae) and their systematic significance. 2017 , 66, 1184-1199	4
1160	Fighting over food unites the birds of North America in a continental dominance hierarchy. 2017 , 28, 1454-1463	24
1159	Genome Size Diversity in (Liliaceae) Is Correlated with Karyotype and Environmental Traits. 2017 , 8, 1303	16
1158	A Transcriptome Survey Spanning Life Stages and Sexes of the Harlequin Bug, <i>Murgantia histrionica</i> . 2017 , 8,	15
1157	How the Cobra Got Its Flesh-Eating Venom: Cytotoxicity as a Defensive Innovation and Its Co-Evolution with Hooding, Aposematic Marking, and Spitting. 2017 , 9,	50
1156	Enter the Dragon: The Dynamic and Multifunctional Evolution of Anguimorpha Lizard Venoms. 2017 , 9,	26
1155	Functional Redundancy and Ecological Innovation Shape the Circulation of Tick-Transmitted Pathogens. 2017 , 7, 234	8
1154	The Degree of Urbanization of a Species Affects How Intensively It Is Studied: A Global Perspective. 2017 , 5,	6
1153	First to Flush: The Effects of Ambient Noise on Songbird Flight Initiation Distances and Implications for Human Experiences with Nature. 2017 , 5,	9
1152	The Role of Life-History and Ecology in the Evolution of Color Patterns in Australian Chrysomeline Beetles. 2017 , 5,	3
1151	Comparative Genomic Analysis of the Class and Proposed Reclassification to Epsilonbacteraeota (phyl. nov.). 2017 , 8, 682	188

1150	Phylogeography and Coevolution of Bamboo Mosaic Virus and Its Associated Satellite RNA. 2017 , 8, 886	3
1149	Nutrient and Rainfall Additions Shift Phylogenetically Estimated Traits of Soil Microbial Communities. 2017 , 8, 1271	17
1148	An Assessment of Different Genomic Approaches for Inferring Phylogeny of. 2017 , 8, 2351	39
1147	Chromosome numbers, Sudanese wild forms, and classification of the watermelon genus <i>Citrullus</i> , with 50 names allocated to seven biological species. 2017 , 66, 1393-1405	25
1146	Habitat disturbance results in chronic stress and impaired health status in forest-dwelling paleotropical bats. 2017 , 5, cox020	25
1145	Phylogenetic patterns and the adaptive evolution of osmoregulation in fiddler crabs (<i>Brachyura</i> , <i>Uca</i>). 2017 , 12, e0171870	16
1144	Stable isotope ecology of a hyper-diverse community of scincid lizards from arid Australia. 2017 , 12, e0172879 6	
1143	Shift from slow- to fast-water habitats accelerates lineage and phenotype evolution in a clade of Neotropical suckermouth catfishes (<i>Loricariidae</i> : <i>Hypoptopomatinae</i>). 2017 , 12, e0178240	16
1142	White-nose syndrome pathology grading in Nearctic and Palearctic bats. 2017 , 12, e0180435	27
1141	A novel mitochondrial genome of <i>Arborophila</i> and new insight into <i>Arborophila</i> evolutionary history. 2017 , 12, e0181649	7
1140	Evolutionary implications of heterochromatin and rDNA in chromosome number and genome size changes during dysploidy: A case study in <i>Reichardia</i> genus. 2017 , 12, e0182318	15
1139	A continuous morphological approach to study the evolution of pollen in a phylogenetic context: An example with the order <i>Myrtales</i> . 2017 , 12, e0187228	19
1138	Ultraconserved elements (UCEs) resolve the phylogeny of Australasian smurf-weevils. 2017 , 12, e0188044	29
1137	Seed size and its rate of evolution correlate with species diversification across angiosperms. 2017 , 15, e2002792	36
1136	Inferring Methionine Sulfoxidation and serine Phosphorylation crosstalk from Phylogenetic analyses. 2017 , 17, 171	3
1135	Phylogenetic relationships of cone snails endemic to Cabo Verde based on mitochondrial genomes. 2017 , 17, 231	13
1134	The role of isolation on contrasting phylogeographic patterns in two cave crustaceans. 2017 , 17, 247	17
1133	Rates of morphological evolution, asymmetry and morphological integration of shell shape in scallops. 2017 , 17, 248	18

1132	Musculoskeletal networks reveal topological disparity in mammalian neck evolution. 2017 , 17, 251	15
1131	First gene-ontology enrichment analysis based on bacterial coregenome variants: insights into adaptations of <i>Salmonella</i> serovars to mammalian- and avian-hosts. 2017 , 17, 222	18
1130	Negative correlation between rates of molecular evolution and flowering cycles in temperate woody bamboos revealed by plastid phylogenomics. 2017 , 17, 260	16
1129	Trabecular architecture in the forelimb epiphyses of extant xenarthrans (Mammalia). 2017 , 14, 52	29
1128	A reconstruction of sexual modes throughout animal evolution. 2017 , 17, 242	12
1127	Evolutionary morphology of the lizard chemosensory system. 2017 , 7, 10141	18
1126	Fangorn Forest (F2): a machine learning approach to classify genes and genera in the family Geminiviridae. 2017 , 18, 431	5
1125	Rapid Increase in Genome Size as a Consequence of Transposable Element Hyperactivity in Wood-White (Leptidea) Butterflies. 2017 , 9, 2491-2505	54
1124	Tongues on the EDGE: language preservation priorities based on threat and lexical distinctiveness. 2017 , 4, 171218	1
1123	Species-level phylogenetic analysis in the <i>Relhania</i> clade of <i>Everlastings</i> and a new generic treatment of species previously assigned to <i>Macowania</i> and <i>Arrowsmithia</i> (Asteraceae: Gnaphalieae). 2017 , 66, 1421-1438	3
1122	Codon optimization underpins generalist parasitism in fungi. 2017 , 6,	26
1121	SNVPhyl: a single nucleotide variant phylogenomics pipeline for microbial genomic epidemiology. 2017 , 3, e000116	77
1120	Phylo-Allometric Analyses Showcase the Interplay between Life-History Patterns and Phenotypic Convergence in Cleaner Wrasses. 2018 , 191, E129-E143	8
1119	Phylogenetic diversity and plant trait composition predict multiple ecosystem functions in green roofs. 2018 , 628-629, 1017-1026	20
1118	The evolution of floral signals in relation to range overlap in a clade of California Jewelflowers (<i>Streptanthus</i> s.l.). 2018 , 72, 798-807	15
1117	Temperature-dependent oxygen limitation and the rise of Bergmann's rule in species with aquatic respiration. 2018 , 72, 977-988	22
1116	Melanin-based sexual dichromatism in the Western Palearctic avifauna implies darker males and lighter females. 2018 , 49, jav-01657	8
1115	The evolution of eccrine sweat glands in human and nonhuman primates. 2018 , 117, 33-43	25

1114	Elevational clines in morphological traits of subtropical and tropical butterfly assemblages. 2018 , 123, 506-517		14
1113	Macroevolutionary patterning of woodpecker drums reveals how sexual selection elaborates signals under constraint. 2018 , 285,		24
1112	Historical and ecological influence in the evolutionary diversification of external morphology of neotropical spiny rats (Echimyidae, Rodentia). 2018 , 56, 453-465		5
1111	Repeated Diversification of Ecomorphs in Hawaiian Stick Spiders. 2018 , 28, 941-947.e3		25
1110	Dark pigmentation limits thermal niche position in birds. 2018 , 32, 1531-1540		23
1109	Contemporary Ecological Interactions Improve Models of Past Trait Evolution. 2018 , 67, 861-872		2
1108	Evolutionary history of ergot with a new infrageneric classification (Hypocreales: Clavicipitaceae: Claviceps). 2018 , 123, 73-87		27
1107	Shifts in diversification rates and host jump frequencies shaped the diversity of host range among Sclerotiniaceae fungal plant pathogens. 2018 , 27, 1309-1323		31
1106	Evolution of Trichobaris (Curculionidae) in relation to host plants: Geometric morphometrics, phylogeny and phylogeography. 2018 , 124, 37-49		5
1105	sensiPhy: An r-package for sensitivity analysis in phylogenetic comparative methods. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 1461-1467	7-7	40
1104	The unfolding of plant growth form-defence syndromes along elevation gradients. 2018 , 21, 609-618		47
1103	The evolution of ontogenetic allometric trajectories in mammalian domestication. 2018 , 72, 867-877		17
1102	Correlated evolution of thermal niches and functional physiology in tropical freshwater fishes. 2018 , 31, 722-734		5
1101	Phylogenetic patterns and correlation of key structures for jumping: bone crests and cross-sectional areas of muscles in Leptodactylus (Anura, Leptodactylidae). 2018 , 232, 870-885		4
1100	The Biogeography of Deep Time Phylogenetic Reticulation. 2018 , 67, 743-744		38
1099	Freshwater transitions and symbioses shaped the evolution and extant diversity of caridean shrimps. 2018 , 1, 16		14
1098	Data reassessment in a phylogenetic context gives insight into chromosome evolution in the giant genus Solanum (Solanaceae). 2018 , 16, 397-416		14
1097	Phenotypic integration and the evolution of signal repertoires: A case study of treefrog acoustic communication. 2018 , 8, 3410-3429		3

1096	Comparative analysis of behavioural traits in insects. 2018 , 27, 52-60	5
1095	Pseudo-parallel patterns of disjunctions in an Arctic-alpine plant lineage. 2018 , 123, 88-100	16
1094	Loss of metagenesis and evolution of a parasitic life style in a group of open-ocean jellyfish. 2018 , 124, 50-59	6
1093	Targeted Sequencing of Venom Genes from Cone Snail Genomes Improves Understanding of Conotoxin Molecular Evolution. 2018 , 35, 1210-1224	22
1092	Dense infraspecific sampling reveals rapid and independent trajectories of plastome degradation in a heterotrophic orchid complex. 2018 , 218, 1192-1204	32
1091	Environmental determinism, and not interspecific competition, drives morphological variability in Australasian warblers (Acanthizidae). 2018 , 8, 3871-3882	3
1090	Comparative transcriptomics across 14 <i>Drosophila</i> species reveals signatures of longevity. 2018 , 17, e12740	19
1089	Time for a rethink: time sub-sampling methods in 'disparity-through-time' analyses. 2018 , 61, 481-493	18
1088	Trait and phylogenetic diversity provide insights into community assembly of reef-associated shrimps (Palaemonidae) at different spatial scales across the Chagos Archipelago. 2018 , 8, 4098-4107	3
1087	Multiple abiotic factors correlate with parallel evolution in Australian soil burrowing cockroaches. 2018 , 45, 1515-1528	5
1086	Modeling linguistic evolution: a look under the hood. 2018 , 4,	0
1085	The role of diversification in community assembly of the oaks (<i>Quercus</i> L.) across the continental U.S. 2018 , 105, 565-586	39
1084	Geometric morphometric analysis of skull shape in the Accipitridae. 2018 , 137, 445-456	8
1083	Allopatric Speciation Drives Diversification of Ecological Specialists on Sandhills. 2018 , 179, 325-339	4
1082	How do diet and body mass drive reproductive strategies in mammals?. 2018 , 124, 151-156	3
1081	Phylogenetic Comparative Methods on Phylogenetic Networks with Reticulations. 2018 , 67, 800-820	38
1080	Morphometric assessment of pterosaur jaw disparity. 2018 , 5, 172130	8
1079	Uterine and eggshell modifications associated with the evolution of viviparity in South American water snakes (<i>Helicops</i> spp.). 2018 , 330, 165-180	9

1078	The Grass was Greener: Repeated Evolution of Specialized Morphologies and Habitat Shifts in Ghost Spiders Following Grassland Expansion in South America. 2019 , 68, 63-77	6
1077	chromploid: An R package for chromosome number evolution across the plant tree of life. 2018 , 6, e1037	12
1076	Thermal niche evolution across replicated lizard adaptive radiations. 2018 , 285,	22
1075	Colour polymorphism in owls is linked to light variability. 2018 , 187, 61-73	15
1074	Frog tendon structure and its relationship with locomotor modes. 2018 , 279, 895-903	5
1073	Ecological and Ecomorphological Specialization Are Not Associated with Diversification Rates in Muroid Rodents (Rodentia: Muroidea). 2018 , 45, 268-286	4
1072	Multi-dimensional patterns of variation in root traits among coexisting herbaceous species in temperate steppes. 2018 , 106, 2320-2331	23
1071	The predictability of genomic changes underlying a recent host shift in Melissa blue butterflies. 2018 , 27, 2651-2666	16
1070	Functional biogeography of angiosperms: life at the extremes. 2018 , 218, 1697-1709	34
1069	Higher ploidy is associated with reduced range breadth in the Potentilleae tribe. 2018 , 105, 700-710	9
1068	Drivers of vegetative dormancy across herbaceous perennial plant species. 2018 , 21, 724-733	29
1067	Evolution of cranial telescoping in echolocating whales (Cetacea: Odontoceti). 2018 , 72, 1092-1108	19
1066	Body size evolution and habitat colonization across 100 million years (Late Jurassic-Paleocene) of the actinopterygian evolutionary history. 2018 , 19, 577-597	10
1065	The evolution of nesting behaviour in Peromyscus mice. 2018 , 139, 103-115	8
1064	The evolution of immunity in relation to colonization and migration. 2018 , 2, 841-849	37
1063	Interspecific geographic range size-body size relationship and the diversification dynamics of Neotropical furnariid birds. 2018 , 72, 1124-1133	3
1062	Multiple shifts to open habitats in Melastomateae (Melastomataceae) congruent with the increase of African Neogene climatic aridity. 2018 , 45, 1420-1431	29
1061	Patterns of sexual size dimorphism in horseshoe bats: Testing Rensch's rule and potential causes. 2018 , 8, 2616	7

1060	Phylogenetic and environmental components of inter-specific variability in the antioxidant defense system in freshwater anomurans <i>Aegla</i> (Crustacea, Decapoda). 2018 , 8, 2850	6
1059	Dissecting the roles of body size and beak morphology in song evolution in the Blue-Cardinalids (Passeriformes: Cardinalidae) Separando los roles del tamaño corporal y la morfología del pico en la evolución del canto en los cardinalinos azules (Passeriformes: Cardinalidae) Body size, beak morphology, and song evolution. 2018 , 135, 262-275	17
1058	Photophobia in Lilioid monocots: photoinhibition of seed germination explained by seed traits, habitat adaptation and phylogenetic inertia. 2018 , 121, 405-413	6
1057	Extreme dentition does not prevent diet and tooth diversification within combtooth blennies (Ovalentaria: Blenniidae). 2018 , 72, 930-943	9
1056	Proteomic and functional variation within black snake venoms (Elapidae: Pseudechis). 2018 , 205, 53-61	7
1055	Evolution of the sabertooth mandible: A deadly ecomorphological specialization. 2018 , 496, 166-174	17
1054	Atlantic forests to the all Americas: Biogeographical history and divergence times of Neotropical <i>Ficus</i> (Moraceae). 2018 , 122, 46-58	17
1053	Differential influences of allometry, phylogeny and environment on the rostral shape diversity of extinct South American notoungulates. 2018 , 5, 171816	5
1052	Differential visual ornamentation between brood parasitic and parental cuckoos. 2018 , 31, 446-456	4
1051	Taxonomic diversity masks leaf vein-climate relationships: lessons from herbarium collections across a latitudinal rainfall gradient in West Africa. 2018 , 165, 384-395	9
1050	Whole genome duplication and transposable element proliferation drive genome expansion in Corydoradinae catfishes. 2018 , 285,	17
1049	Taxonomic patterns in the nitrogen assimilation of soil prokaryotes. 2018 , 20, 1112-1119	22
1048	Global macroevolution and macroecology of passerine song. 2018 , 72, 944-960	19
1047	Landscape variation in plant leaf flammability is driven by leaf traits responding to environmental gradients. 2018 , 9, e02093	14
1046	Climate change, thermal niches, extinction risk and maternal-effect rescue of toad-headed lizards, <i>Phrynocephalus</i> , in thermal extremes of the Arabian Peninsula to the Qinghai-Tibetan Plateau. 2018 , 13, 450-470	37
1045	Effects of parental care on resource allocation into immune defense and buccal microbiota in mouthbrooding cichlid fishes. 2018 , 72, 1109-1123	9
1044	Evolution of the outer ovule integument and its systematic significance in Melastomataceae. 2018 , 186, 224-246	9
1043	Bayesian Divergence-Time Estimation with Genome-Wide Single-Nucleotide Polymorphism Data of Sea Catfishes (Ariidae) Supports Miocene Closure of the Panamanian Isthmus. 2018 , 67, 681-699	63

1042	Comparing evolutionary rates between trees, clades and traits. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 994-1005	7.7	11
1041	Mass-independent maximal metabolic rate predicts geographic range size of placental mammals. 2018 , 32, 1194-1202		3
1040	Recent inner ear specialization for high-speed hunting in cheetahs. 2018 , 8, 2301		11
1039	Keeping an eye on coloration: ecological correlates of the evolution of pitcher traits in the genus <i>Nepenthes</i> (Caryophyllales). 2018 , 123, 321-337		13
1038	Developments in development: What have we learned from primate locomotor ontogeny?. 2018 , 165 Suppl 65, 37-71		32
1037	Basal metabolic rate in free-living tropical birds: the influence of phylogenetic, behavioral, and ecological factors. 2018 , 64, 33-43		18
1036	Early burst in body size evolution is uncoupled from species diversification in diving beetles (Dytiscidae). 2018 , 27, 979-993		15
1035	Intrinsic Constraints on the Diversification of Neotropical Cichlid Adductor Mandibulae Size. 2018 , 301, 216-226		5
1034	Efficient comparative phylogenetics on large trees. 2018 , 34, 1053-1055		166
1033	Accumulation of Mutational Load at the Edges of a Species Range. 2018 , 35, 781-791		43
1032	Eating down the food chain: generalism is not an evolutionary dead end for herbivores. 2018 , 21, 402-410		15
1031	Species tree phylogeny, character evolution, and biogeography of the Patagonian genus <i>Anarthrophyllum</i> Benth. (Fabaceae). 2018 , 18, 71-86		7
1030	Reductions in complexity of mitochondrial genomes in lichen-forming fungi shed light on genome architecture of obligate symbioses. 2018 , 27, 1155-1169		22
1029	Does the Morphology of the Forelimb Flexor Muscles Differ Between Lizards Using Different Habitats?. 2018 , 301, 424-433		7
1028	Testing the Role of the Red Queen and Court Jester as Drivers of the Macroevolution of Apollo Butterflies. 2018 , 67, 940-964		39
1027	Assessing the relative impact of historical divergence and inter-group transmission on cultural patterns: a method from evolutionary ecology. 2018 , 373,		6
1026	Herbarium specimens show patterns of fruiting phenology in native and invasive plant species across New England. 2018 , 105, 31-41		19
1025	Fifty shades of white: how white feather brightness differs among species. 2018 , 105, 18		11

1024	Automated Integration of Trees and Traits: A Case Study Using Paired Fin Loss Across Teleost Fishes. 2018 , 67, 559-575	6
1023	The baubellum is more developmentally and evolutionarily labile than the baculum. 2018 , 8, 1073-1083	6
1022	Assessing among-lineage variability in phylogenetic imputation of functional trait datasets. 2018 , 41, 1740-1749	10
1021	Rapid phenotypic evolution following shifts in life cycle complexity. 2018 , 285,	13
1020	Cuckoos host range is associated positively with distribution range and negatively with evolutionary uniqueness. 2018 , 87, 765-773	3
1019	Within-island diversification underlies parachuting frog (<i>Rhacophorus</i>) species accumulation on the Sunda Shelf. 2018 , 45, 929-940	11
1018	Interrelations of global macroecological patterns in wing and thorax size, sexual size dimorphism, and range size of the Drosophilidae. 2018 , 41, 1707-1717	12
1017	Anatomical network analysis of the musculoskeletal system reveals integration loss and parcellation boost during the fins-to-limbs transition. 2018 , 72, 601-618	8
1016	New World spittlebugs (Hemiptera: Cercopidae: Ischnorhininae): Dated molecular phylogeny, classification, and evolution of aposematic coloration. 2018 , 120, 321-334	19
1015	Reclassification of <i>Lamprotula rochechouartii</i> as <i>Margaritifera rochechouarti</i> comb. nov. (Bivalvia: Margaritiferidae) revealed by time-calibrated multi-locus phylogenetic analyses and mitochondrial phylogenomics of Unionoidea. 2018 , 120, 297-306	16
1014	Interactive life-history traits predict sensitivity of plants and animals to temporal autocorrelation. 2018 , 21, 275-286	27
1013	Ecomorphological trajectories of reef fish sister species (Pomacentridae) from both sides of the Isthmus of Panama. 2018 , 137, 315-327	1
1012	Nuclear DNA C-values are correlated with pollen size at tetraploid but not diploid level and linked to phylogenetic descent in <i>Streptocarpus</i> (Gesneriaceae). 2018 , 114, 323-344	8
1011	Ontogenetic prey size selection in snakes: predator size and functional limitations to handling minimum prey sizes. 2018 , 126, 103-109	5
1010	Impacts of domestication on the arbuscular mycorrhizal symbiosis of 27 crop species. 2018 , 218, 322-334	72
1009	Convergent evolution of floral shape tied to pollinator shifts in <i>Lochrominae</i> (Solanaceae). 2018 , 72, 688-697	27
1008	A Winteraceae pollen tetrad from the early Paleocene of western Greenland, and the fossil record of Winteraceae in Laurasia and Gondwana. 2018 , 45, 567-581	8
1007	Light and growth form interact to shape stomatal ratio among British angiosperms. 2018 , 218, 242-252	17

1006	2D or Not 2D? Testing the Utility of 2D Vs. 3D Landmark Data in Geometric Morphometrics of the Sculpin Subfamily Oligocottinae (Pisces; Cottoidea). 2018 , 301, 806-818	37
1005	Are the radiations of temperate lineages in tropical alpine ecosystems pre-adapted?. 2018 , 27, 334-345	23
1004	A fast likelihood solution to the genetic clustering problem. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 1006-1016	7.7 54
1003	Trait-specific processes of convergence and conservatism shape ecomorphological evolution in ground-dwelling squirrels. 2018 , 72, 473-489	14
1002	Auditory opportunity and visual constraint enabled the evolution of echolocation in bats. 2018 , 9, 98	40
1001	The Microbial Community of Tardigrades: Environmental Influence and Species Specificity of Microbiome Structure and Composition. 2018 , 76, 467-481	16
1000	Geographical, climatic and biological constraints on age at sexual maturity in amphibians. 2018 , 123, 34-42	10
999	Reconstructing Ecological Niche Evolution When Niches Are Incompletely Characterized. 2018 , 67, 428-438	22
998	Use of Continuous Traits Can Improve Morphological Phylogenetics. 2018 , 67, 328-339	33
997	Sexual selection and the chemical signal design of lacertid lizards. 2018 , 183, 445-457	12
996	A biogeographic and ecological perspective to the evolution of reproductive behaviour in the family Salamandridae. 2018 , 121, 98-109	14
995	Multilocus phylogeny, divergence times, and a major role for the benthic-to-pelagic axis in the diversification of grunts (Haemulidae). 2018 , 121, 212-223	33
994	Decoupled dimensions of leaf economic and anti-herbivore defense strategies in a tropical canopy tree community. 2018 , 186, 765-782	15
993	Island- and lake-like parallel adaptive radiations replicated in rivers. 2018 , 285,	29
992	Factors shaping large-scale gradients in seed physical defence: Seeds are not better defended towards the tropics. 2018 , 27, 417-428	17
991	Thermal biology mediates responses of amphibians and reptiles to habitat modification. 2018 , 21, 345-355	71
990	Roosting ecology of Stenodermatinae bats (Phyllostomidae): evolution of foliage roosting and correlated phenotypes. 2018 , 48, 75-89	16
989	Impact of whole-genome duplication events on diversification rates in angiosperms. 2018 , 105, 348-363	134

- 988 Feeding innovations and the first coral-feeding fishes. **2018**, 37, 649-658 6
- 987 Phylogenetic relationships among Ananas and related taxa (Bromelioideae, Bromeliaceae) based on nuclear, plastid and AFLP data. **2018**, 304, 841-851 5
- 986 Quantifying the Evolutionary Conservation of Genes Encoding Multidrug Efflux Pumps in the ESKAPE Pathogens To Identify Antimicrobial Drug Targets. **2018**, 3, 15
- 985 Ecological opportunity may facilitate diversification in Palearctic freshwater organisms: a case study on hydrobiid gastropods. **2018**, 18, 55 5
- 984 Interferons type II and their receptors R1 and R2 in fish species: Evolution, structure, and function. **2018**, 79, 140-152 11
- 983 Community-wide consequences of variation in photoprotective physiology among prairie plants. **2018**, 56, 455-467 10
- 982 Within trophic level shifts in collagen-carbonate stable carbon isotope spacing are propagated by diet and digestive physiology in large mammal herbivores. **2018**, 8, 3983-3995 19
- 981 A global envelope test to detect non-random bursts of trait evolution. *Methods in Ecology and Evolution*, **2018**, 9, 1739-1748 7-7 16
- 980 Intra-host sequence variability in human papillomavirus. **2018**, 5, 180-191 20
- 979 Macroecology and macroevolution of the latitudinal diversity gradient in ants. **2018**, 9, 1778 69
- 978 Dispersal capacity explains the evolution of lifespan variability. **2018**, 8, 4949-4957 3
- 977 Phylogenomics, Diversification Dynamics, and Comparative Transcriptomics across the Spider Tree of Life. **2018**, 28, 1489-1497.e5 117
- 976 Mind the Gap: the evolution of oviposition site and specialization in the parasitoid superfamily Chalcidoidea. **2018**, 124, 213-227 3
- 975 Hidden and cryptic species reflect parallel and correlated evolution in the phylogeny of the genus *Callyntra* (Coleoptera: Tenebrionidae) of Central Chile. **2018**, 127, 405-415 6
- 974 Is Amazonia a 'museum' for Neotropical trees? The evolution of the Brownea clade (Detarioideae, Leguminosae). **2018**, 126, 279-292 16
- 973 Tree species with limited geographical ranges show extreme responses to ectomycorrhizas. **2018**, 27, 839-848 11
- 972 Gymnosperms on the EDGE. **2018**, 8, 6053 41
- 971 Harden up: metal acquisition in the weaponized ovipositors of aculeate hymenoptera. **2018**, 137, 389-406 6

970	Phylogenetic analysis of trophic niche evolution reveals a latitudinal herbivory gradient in Clupeoidei (herrings, anchovies, and allies). 2018 , 124, 151-161	26
969	A Model-Based Approach for Identifying Functional Intergenic Transcribed Regions and Noncoding RNAs. 2018 , 35, 1422-1436	14
968	Palaeoecological inferences for the fossil Australian snakes and (Serpentes, Madtsoiidae). 2018 , 5, 172012	6
967	Plasticity for desiccation tolerance across species is affected by phylogeny and climate in complex ways. 2018 , 285,	33
966	When is the best time to flower and disperse? A comparative analysis of plant reproductive phenology in the Mediterranean. 2018 , 32, 1770-1783	8
965	Buccal venom gland associates with increased of diversification rate in the fang blenny fish <i>Meiacanthus</i> (Blenniidae; Teleostei). 2018 , 125, 138-146	9
964	Molecular Footprints of Aquatic Adaptation Including Bone Mass Changes in Cetaceans. 2018 , 10, 967-975	17
963	Key questions and challenges in angiosperm macroevolution. 2018 , 219, 1170-1187	56
962	Variation in the phylogenetic diversity of wild bees at produce farms and prairies. 2018 , 259, 168-173	4
961	Trophic specialization drives morphological evolution in sea snakes. 2018 , 5, 172141	25
960	The evolutionary history of polycotyloid plesiosaurians. 2018 , 5, 172177	14
959	Macroevolutionary diversification with limited niche disparity in a species-rich lineage of cold-climate lizards. 2018 , 18, 16	13
958	Phylogenetic systematics, morphological evolution, and natural groups in neotropical <i>Phlegmariurus</i> (Lycopodiaceae). 2018 , 125, 1-13	11
957	Trait evolution, resource specialization and vulnerability to plant extinctions among Antillean hummingbirds. 2018 , 285,	17
956	Bursts of morphological and lineage diversification in modern dasyurids, a classic adaptive radiation. 2018 , 123, 782-795	12
955	No evidence for nutrient foraging in root-sprouting clonal plants. 2018 , 28, 27-36	9
954	Increased anthropogenic disturbance and aridity reduce phylogenetic and functional diversity of ant communities in Caatinga dry forest. 2018 , 631-632, 429-438	33
953	Large Diversity of Nonstandard Genes and Dynamic Evolution of Chloroplast Genomes in Siphonous Green Algae (Bryopsidales, Chlorophyta). 2018 , 10, 1048-1061	17

- 952 The Macroecology of Chemical Communication in Lizards: Do Climatic Factors Drive the Evolution of Signalling Glands?. **2018**, 45, 259-267 6
- 951 Abrasion provides clues on a chiton taphonomic conundrum. **2018**, 496, 183-191 2
- 950 Oxygen Limitation at the Larval Stage and the Evolution of Maternal Investment per Offspring in Aquatic Environments. **2018**, 191, 604-619 11
- 949 The Birth and Death of Olfactory Receptor Gene Families in Mammalian Niche Adaptation. **2018**, 35, 1390-1406 51
- 948 Revised classification of the righteye flounders (Teleostei: Pleuronectidae) based on multilocus phylogeny with complete taxon sampling. **2018**, 125, 147-162 17
- 947 Step-wise evolution of complex chemical defenses in millipedes: a phylogenomic approach. **2018**, 8, 3209 20
- 946 Wing bone geometry reveals active flight in Archaeopteryx. **2018**, 9, 923 26
- 945 Proximate mechanisms affecting seasonal differences in migration speed of avian species. **2018**, 8, 4106 39
- 944 Comparative limb proportions reveal differential locomotor morphofunctions of alligatoroids and crocodyloids. **2018**, 5, 171774 16
- 943 Walk, swim or fly? Locomotor mode predicts genetic differentiation in vertebrates. **2018**, 21, 638-645 25
- 942 Length-mass allometries in amphibians. **2018**, 13, 36-45 23
- 941 Combined Analysis of Extant Rhynchonellida (Brachiopoda) using Morphological and Molecular Data. **2018**, 67, 32-48 12
- 940 Influence of Evolutionary Allometry on Rates of Morphological Evolution and Disparity in strictly Subterranean Moles (Talpinae, Talpidae, Lipotyphla, Mammalia). **2018**, 25, 1-14 16
- 939 Bumblebees take the high road: climatically integrative biogeography shows that escape from Tibet, not Tibetan uplift, is associated with divergences of present-day *Mendacibombus*. **2018**, 41, 461-477 17
- 938 Covariation and phenotypic integration in chemical communication displays: biosynthetic constraints and eco-evolutionary implications. **2018**, 220, 739-749 50
- 937 A Digital Endocranial Cast of the Early Paleocene (Puercan) 'Archaic' Mammal (Eutheria: Taeniodonta). **2018**, 25, 179-195 9
- 936 Estimating body size in early primates: The case of *Archicebus* and *Teilhardina*. **2018**, 115, 8-19 8
- 935 Mesowear study of ungulates from the early Pleistocene site of Übeidiya (Israel) and the implications for early Homo dispersal from Africa. **2018**, 480, 66-77 8

934	Evolutionary Significance of the Entepicondylar Foramen of the Humerus in New World Monkeys (Platyrrhini). 2018 , 25, 141-151	14
933	Multivariate Phylogenetic Comparative Methods: Evaluations, Comparisons, and Recommendations. 2018 , 67, 14-31	129
932	Richness-dependence of phylogenetic diversity indices. 2018 , 41, 837-844	17
931	Darker where cold and wet: Australian birds follow their own version of Gloger's rule. 2018 , 41, 673-683	32
930	Resolving Recent Plant Radiations: Power and Robustness of Genotyping-by-Sequencing. 2018 , 67, 250-268	43
929	Genomic Signature of an Avian Lilliput Effect across the K-Pg Extinction. 2018 , 67, 1-13	62
928	The taxonomy and phylogeny of <i>Diopcephalus kochi</i> (Wagner, 1837) and <i>Germanodactylus rhamphastinus</i> (Wagner, 1851). 2018 , 455, 125-147	9
927	Estimating diversification rates for higher taxa: BAMM can give problematic estimates of rates and rate shifts. 2018 , 72, 39-53	60
926	Evidence of evolutionary optimization of fatty acid length and unsaturation. 2018 , 31, 172-176	1
925	Targeted Enrichment of Large Gene Families for Phylogenetic Inference: Phylogeny and Molecular Evolution of Photosynthesis Genes in the Portullugo Clade (Caryophyllales). 2018 , 67, 367-383	24
924	Cope's rule and the adaptive landscape of dinosaur body size evolution. 2018 , 61, 13-48	92
923	Root traits across environmental gradients in Mediterranean woody communities: are they aligned along the root economics spectrum?. 2018 , 424, 35-48	34
922	An Assessment of Phylogenetic Tools for Analyzing the Interplay Between Interspecific Interactions and Phenotypic Evolution. 2018 , 67, 413-427	20
921	Cryptic lineage diversity, body size divergence, and sympatry in a species complex of Australian lizards (Gehyra). 2018 , 72, 54-66	27
920	Widespread sampling biases in herbaria revealed from large-scale digitization. 2018 , 217, 939-955	155
919	Trait-based indicators of bird species sensitivity to habitat loss are effective within but not across data sets. 2018 , 28, 28-34	16
918	Life on the Edge: A Comparative Study of Ecophysiological Adaptations of Frogs to Tropical Semiarid Environments. 2018 , 91, 740-756	9
917	Anophthalmia and elongation of body appendages in cave scale worms (Annelida: Aphroditiformia). 2018 , 47, 106-121	16

916	Truncation of thermal tolerance niches among Australian plants. 2018 , 27, 22-31	19
915	: Simulating phylogenetic trees under general Bellman-Harris models with lineage-specific shifts of speciation and extinction in <i>R. Methods in Ecology and Evolution</i> , 2018 , 9, 754-760	7-7 4
914	Ejaculate evolution in external fertilizers: Influenced by sperm competition or sperm limitation?. 2018 , 72, 4-17	28
913	Phenotypic evolution in marmoset and tamarin monkeys (Cebidae, Callitrichinae) and a revised genus-level classification. 2018 , 118, 156-171	16
912	Phylogenomics reveals habitat-associated body shape divergence in <i>Oryzias woworae</i> species group (Teleostei: Adrianichthyidae). 2018 , 118, 194-203	8
911	Using host species traits to understand the consequences of resource provisioning for host-parasite interactions. 2018 , 87, 511-525	34
910	Convergent adaptive evolution in marginal environments: unloading transposable elements as a common strategy among mangrove genomes. 2018 , 217, 428-438	38
909	The Evolution of Olfactory Capabilities in Wild Birds: A Comparative Study. 2018 , 45, 27-36	9
908	Phylogeny of the Neotropical sages (<i>Salvia</i> subg. <i>Calosphace</i> ; Lamiaceae) and insights into pollinator and area shifts. 2018 , 304, 43-55	31
907	Are holocentrics doomed to change? Limited chromosome number variation in <i>Rhynchospora</i> Vahl (Cyperaceae). 2018 , 255, 263-272	10
906	Leukocyte profiles are associated with longevity and survival, but not migratory effort: A comparative analysis of shorebirds. 2018 , 32, 369-378	13
905	Environmental conditions shape the chemical signal design of lizards. 2018 , 32, 566-580	32
904	Sympatric parallel diversification of major oak clades in the Americas and the origins of Mexican species diversity. 2018 , 217, 439-452	131
903	Tendinous framework of anurans reveals an all-purpose morphology. 2018 , 126, 172-184	7
902	Style polymorphism in <i>Linum</i> (Linaceae): a case of Mediterranean parallel evolution?. 2018 , 20 Suppl 1, 100-111	14
901	What intrinsic and extrinsic factors explain the stoichiometric diversity of aquatic heterotrophic bacteria?. 2018 , 12, 598-609	12
900	Leaf carbon and oxygen isotopes are coordinated with the leaf economics spectrum in Mediterranean rangeland species. 2018 , 32, 612-625	27
899	Using a new RAD-sequencing approach to study the evolution of <i>Micromeria</i> in the Canary islands. 2018 , 119, 160-169	9

898	Are the big and beautiful less bold? Differences in avian fearfulness between the sexes in relation to body size and colour. 2018 , 304, 252-259		5
897	Evolution in the Amphi-Atlantic tropical genus <i>Guibourtia</i> (Fabaceae, Detarioideae), combining NGS phylogeny and morphology. 2018 , 120, 83-93		21
896	Sexually dimorphic swallows have higher extinction risk. 2018 , 8, 992-996		9
895	Leaf Form Evolution in <i>Viburnum</i> Parallels Variation within Individual Plants. 2018 , 191, 235-249		15
894	Continuous traits and speciation rates: Alternatives to state-dependent diversification models. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 984-993	7-7	39
893	The evolution of floral ontogenetic allometry in the Andean genus <i>Caiophora</i> (Loasaceae, subfam. Loasoideae). 2018 , 20, 29-39		16
892	Greater pollination generalization is not associated with reduced constraints on corolla shape in Antillean plants. 2018 , 72, 244-260		17
891	Macroecological patterns of sexual size dimorphism in turtles of the world. 2018 , 31, 336-345		10
890	Effects of light and topography on regeneration and coexistence of evergreen and deciduous tree species in a Chinese subtropical forest. 2018 , 106, 1634-1645		15
889	Diel behavior in moths and butterflies: a synthesis of data illuminates the evolution of temporal activity. 2018 , 18, 13-27		17
888	The complex pattern of codon usage evolution in the family Comamonadaceae. 2018 , 6, 1-8		3
887	Ovipositor morphology correlates with life history evolution in agaonid fig wasps. 2018 , 90, 109-116		6
886	Nutrient-rich plants emit a less intense blend of volatile isoprenoids. 2018 , 220, 773-784		27
885	Repeated evolution and reversibility of self-fertilization in the volvocine green algae. 2018 , 72, 386-398		27
884	Metacommunity detectives: Confronting models based on niche and stochastic assembly scenarios with empirical data from a tropical stream network. 2018 , 63, 86-99		16
883	How feathered are birds? Environment predicts both the mass and density of body feathers. 2018 , 32, 701-712		14
882	Sequencing of the plastome in the leafless green mycoheterotroph <i>Cymbidium macrorhizon</i> helps us to understand an early stage of fully mycoheterotrophic plastome structure. 2018 , 304, 245-258		10
881	The influence of phylogeny, social style, and sociodemographic factors on macaque social network structure. 2018 , 80, e22727		27

880	On the estimation of nested Archimedean copulas: a theoretical and an experimental comparison. 2018 , 33, 1047-1070	6
879	Are the cerrado and the seasonal forest woody florals assembled by different processes despite their spatial proximity?. 2018 , 11, 740-750	4
878	The Bold, Silent Type: Predictors of Ultrasonic Vocalizations in the Genus <i>Peromyscus</i> . 2018 , 6,	8
877	Physiological compartmentalization as a possible cause of phylogenetic signal loss: an example involving melanin-based pigmentation. 2018 , 125, 760-765	1
876	High species richness and lineage diversity of reef corals in the mesophotic zone. 2018 , 285, 20181987	14
875	Relating Coral Skeletal Structures at Different Length Scales to Growth, Light Availability to Symbiodinium, and Thermal Bleaching. 2018 , 5,	12
874	Metabolic physiology explains macroevolutionary trends in the melanic colour system across amniotes. 2018 , 285, 20182014	7
873	Palaeohistology and life history evolution in cave bears, <i>Ursus spelaeus sensu lato</i> . 2018 , 13, e0206791	6
872	Biomechanical simulations of <i>Leptarctus primus</i> (Leptarctinae, Carnivora), and new evidence for a badger-like feeding capability. 2018 , 38, e1531290	1
871	Post-Cretaceous bursts of evolution along the benthic-pelagic axis in marine fishes. 2018 , 285, 20182010	17
870	Limb bone scaling in hopping macropods and quadrupedal artiodactyls. 2018 , 5, 180152	14
869	A phylogenomic resolution of the sea urchin tree of life. 2018 , 18, 189	22
868	Brain investment under colony-level selection: soldier specialization in <i>Eciton</i> army ants (Formicidae: Dorylinae). 2018 , 3,	16
867	Is Host Filtering the Main Driver of Phyllosymbiosis across the Tree of Life?. 2018 , 3,	64
866	Functional trait and community phylogenetic analyses reveal environmental filtering as the major determinant of assembly of tropical forest tree communities in the Western Ghats biodiversity hotspot in India. 2018 , 5,	6
865	Environmental and evolutionary drivers of diversity patterns in the tea family (Theaceae s.s.) across China. 2018 , 8, 11663-11676	6
864	Phylogenomic history of enigmatic pygmy perches: implications for biogeography, taxonomy and conservation. 2018 , 5, 172125	6
863	A gyroscopic advantage: phylogenetic patterns of compensatory movements in frogs. 2019 , 222,	1

862	Modeling Avian Distributions and Niches: Insights into Invasions and Speciation in Birds. 2018 , 147-164	2
861	Evolution of the Natural Transformation Protein, ComEC, in Bacteria. 2018 , 9, 2980	23
860	Pseudogenization and Resurrection of a Speciation Gene. 2018 , 28, 3776-3786.e7	27
859	Phylogenetic diversity, structure and diversification patterns of endemic plants along the elevational gradient in the Eastern Himalaya. 2018 , 11, 501-513	11
858	Patterns and predictors of fleshy fruit phenology at five international botanical gardens. 2018 , 105, 1824-1834	10
857	Extreme Enlargement of the Cerebellum in a Clade of Teleost Fishes that Evolved a Novel Active Sensory System. 2018 , 28, 3857-3863.e3	14
856	Narrow thermal tolerance and low dispersal drive higher speciation in tropical mountains. 2018 , 115, 12471-12476	96
855	Complex gene expansion of the gene subfamily. 2018 , 8, 11022-11030	5
854	The influence of phylodynamic model specifications on parameter estimates of the Zika virus epidemic. 2018 , 4, vex044	20
853	The Dbf4 ortholog Chiffon forms a complex with Gcn5 that is necessary for histone acetylation and viability. 2019 , 132,	11
852	Genetic exchanges are more frequent in bacteria encoding capsules. 2018 , 14, e1007862	19
851	Convergent evolution of an extreme dietary specialisation, the olfactory system of worm-eating rodents. 2018 , 8, 17806	19
850	Phylogenetic, ecological and biomechanical constraints on larval form: A comparative morphological analysis of barnacle nauplii. 2018 , 13, e0206973	4
849	Macroevolution of sexual size dimorphism and reproduction-related phenotypic traits in lizards of the Chaco Domain. 2018 , 18, 186	3
848	A phylogenetic framework of the legume genus Aeschynomene for comparative genetic analysis of the Nod-dependent and Nod-independent symbioses. 2018 , 18, 333	8
847	Hibernation in bats (Mammalia: Chiroptera) did not evolve through positive selection of leptin. 2018 , 8, 12576-12596	4
846	Comparison of spatiotemporal gait characteristics between vertical climbing and horizontal walking in primates. 2019 , 222,	46
845	Phylogenetic Comparative Methods can Provide Important Insights into the Evolution of Toxic Weaponry. 2018 , 10,	5

- 844 A melanin-based trait is more strongly related to body size in the tropics than in temperate regions in the globally distributed barn owl family. **2018**, 31, 1932-1944 3
- 843 A rapid rate of sex-chromosome turnover and non-random transitions in true frogs. **2018**, 9, 4088 81
- 842 Frugivores and the evolution of fruit colour. **2018**, 14, 24
- 841 Testing hypotheses for the function of the carnivoran baculum using finite-element analysis. **2018**, 285, 7
- 840 Genetic basis of thermal plasticity variation in *Drosophila melanogaster* body size. **2018**, 14, e1007686 24
- 839 A user's guide for the quantitative analysis of substrate characteristics and locomotor kinematics in free-ranging primates. **2018**, 167, 569-584 24
- 838 Do dung beetles show interrelated evolutionary trends in wing morphology, flight biomechanics and habitat preference?. **2018**, 32, 663-682 5
- 837 Ecocorrelates of pelage coloration in pigs and peccaries. **2018**, 99, 1093-1100 2
- 836 Patterns of chromosomal evolution in the florally diverse Andean clade *Lochrominae* (Solanaceae). **2018**, 35, 31-43 9
- 835 Predicting nutrient content of ray-finned fishes using phylogenetic information. **2018**, 9, 3742 13
- 834 Delayed trait development and the convergent evolution of shell kinesis in turtles. **2018**, 285, 7
- 833 Divergent melanism strategies in Andean butterfly communities structure diversity patterns and climate responses. **2018**, 45, 2471-2482 6
- 832 Effects of diet on cranial morphology and biting ability in musteloid mammals. **2018**, 31, 1918-1931 23
- 831 Fruit scent as an evolved signal to primate seed dispersal. **2018**, 4, eaat4871 33
- 830 Unscrambling phylogenetic effects and ecological determinants of chromosome number in major angiosperm clades. **2018**, 8, 14258 11
- 829 Reconciling species diversity in a tropical plant clade (*Canarium*, Burseraceae). **2018**, 13, e0198882 8
- 828 Macroevolutionary shift in the size of amphibian genomes and the role of life history and climate. **2018**, 2, 1792-1799 47
- 827 Evolutionary trends in the columnar cactus genus *Eulychnia* (Cactaceae) based on molecular phylogenetics, morphology, distribution, and habitat. **2018**, 16, 643-657 3

826	Repeated switches from cooperative to selfish worker oviposition during stingless bee evolution. 2018 , 31, 1843-1851	4
825	Recent advances in computational phylodynamics. 2018 , 31, 24-32	29
824	Leaflet shape in the endemic South American Oxalis sect. Alpinae: An integrative approach using molecular phylogenetics and geometric morphometrics. 2018 , 35, 22-30	7
823	The evolution of fruit colour: phylogeny, abiotic factors and the role of mutualists. 2018 , 8, 14302	30
822	Evolutionary history predicts the response of tree species to forest loss: A case study in peninsular Spain. 2018 , 13, e0204365	3
821	Skink ecomorphology: forelimb and hind limb lengths, but not static stability, correlate with habitat use and demonstrate multiple solutions. 2018 ,	2
820	Phylogenetic history, allometry and disparate functional pressures influence the morphological diversification of the gekkotan quadrate, a keystone cranial element. 2018 ,	1
819	On the relationship between body condition and parasite infection in wildlife: a review and meta-analysis. 2018 , 21, 1869-1884	65
818	The evolution of iris colour in relation to nocturnality in owls. 2018 , 49,	9
817	Erythromycin sensitivity across different taxa of marine phytoplankton. A novel approach to sensitivity of microalgae and the evolutionary history of the 23S gene. 2018 , 204, 190-196	6
816	The evolution of UDP-glycosyl/glucuronosyltransferase 1E (UGT1E) genes in bird lineages is linked to feeding habits but UGT2 genes is not. 2018 , 13, e0205266	3
815	Do Bony Orbit Dimensions Predict Diel Activity Pattern in Sciurid Rodents?. 2018 , 301, 1774-1787	4
814	Genetic effects of anthropogenic habitat fragmentation on remnant animal and plant populations: a meta-analysis. 2018 , 9, e02488	55
813	The evolution of language families is shaped by the environment beyond neutral drift. 2018 , 2, 816-821	17
812	Evolution of leaf structure and drought tolerance in species of Californian Ceanothus. 2018 , 105, 1672-1687	7
811	Integrating morphology and in vivo skeletal mobility with digital models to infer function in brittle star arms. 2018 , 233, 696-714	8
810	Structural and wetting properties of nature's finest silks (order Embioptera). 2018 , 5, 180893	5
809	Agouti-related peptide 2 facilitates convergent evolution of stripe patterns across cichlid fish radiations. 2018 , 362, 457-460	76

808	The nearshore cradle of early vertebrate diversification. 2018 , 362, 460-464	25
807	Comparative analysis reveals the complex role of histoblast nest size in the evolution of novel insect abdominal appendages in Sepsidae (Diptera). 2018 , 18, 151	
806	The distribution of bacterial doubling times in the wild. 2018 , 285,	84
805	Spectral sensitivity in ray-finned fishes: diversity, ecology and shared descent. 2018 , 221,	18
804	Cytological and genome size data analyzed in a phylogenetic frame: Evolutionary implications concerning Sisyrrinchium taxa (Iridaceae: Iridoideae). 2018 , 41, 288-307	4
803	The dimensionality of niche space allows bounded and unbounded processes to jointly influence diversification. 2018 , 9, 4258	11
802	Clade-specific evolutionary diversification along ontogenetic major axes in avian limb skeleton. 2018 , 72, 2632-2652	12
801	Encephalization and longevity evolved in a correlated fashion in Euarchontoglires but not in other mammals. 2018 , 72, 2617-2631	12
800	Niche conservatism and elevated diversification shape species diversity in drylands: evidence from Zygothryaceae. 2018 , 285,	11
799	Phylogenetic trait conservatism predicts patterns of plant-soil feedback. 2018 , 9, e02409	6
798	Do forelimb shape and peak forces co-vary in strepsirrhines?. 2018 , 167, 602-614	7
797	Size and shape correlation of birds' pelvis and egg: Impact of developmental mode, habitat, and phylogeny. 2018 , 279, 1590-1602	13
796	The evolution of fungal substrate specificity in a widespread group of crustose lichens. 2018 , 285,	12
795	Molecular systematics and character evolution in the lichen family Ramalinaceae (Ascomycota: Lecanorales). 2018 , 67, 871-904	34
794	DM-PhyClus: a Bayesian phylogenetic algorithm for infectious disease transmission cluster inference. 2018 , 19, 324	3
793	Disentangling protist communities identified from DNA and RNA surveys in the Pearl River-South China Sea Continuum during the wet and dry seasons. 2018 , 27, 4627-4640	9
792	One Health Relationships Between Human, Animal, and Environmental Microbiomes: A Mini-Review. 2018 , 6, 235	67
791	Evolution of ontogenetic change in color defenses of swallowtail butterflies. 2018 , 8, 9751-9763	8

790	Burrowing fishes: Kinematics, morphology and phylogeny of sand-diving wrasses (Labridae). 2018 , 93, 860-873	8
789	Ontogenetic and phylogenetic simplification during white stripe evolution in clownfishes. 2018 , 16, 90	27
788	Effects of Phylogenetic Diversity and Phylogenetic Identity in a Restoration Ecology Experiment. 2018 , 189-210	5
787	Pairs of Adjacent Conserved Noncoding Elements Separated by Conserved Genomic Distances Act as Cis-Regulatory Units. 2018 , 10, 2535-2550	0
786	Generalist haemosporidian parasites are better adapted to a subset of host species in a multiple host community. 2018 , 27, 4336-4346	17
785	Divergent genetic mechanism leads to spiny hair in rodents. 2018 , 13, e0202219	3
784	Phylogenomic Classification and the Evolution of Clonal Complex 5 Methicillin-Resistant in the Western Hemisphere. 2018 , 9, 1901	34
783	Breath rate of passerines across an urbanization gradient supports the pace-of-life hypothesis and suggests diet-mediated responses to handling stress. 2018 , 8, 9526-9535	4
782	A case of behavioural diversification in male floral function - the evolution of thigmonastic pollen presentation. 2018 , 8, 14018	9
781	Molecular genetic and biochemical evidence for adaptive evolution of leaf abaxial epicuticular wax crystals in the genus <i>Lithocarpus</i> (Fagaceae). 2018 , 18, 196	1
780	Noise and biases in genomic data may underlie radically different hypotheses for the position of <i>Iguania</i> within Squamata. 2018 , 13, e0202729	18
779	Fossils reveal the complex evolutionary history of the mammalian regionalized spine. 2018 , 361, 1249-1252	35
778	Evolution of parental activity at the nest is shaped by the risk of nest predation and ambient temperature across bird species. 2018 , 72, 2214-2224	16
777	Phylogenetic distribution of shell colour in Bivalvia (Mollusca). 2018 , 125, 377-391	5
776	Rapid buildup of sympatric species diversity in Alpine whitefish. 2018 , 8, 9398-9412	23
775	Evolution of metazoan morphological disparity. 2018 , 115, E8909-E8918	47
774	A Review of locomotor diversity in mammals with analyses exploring the influence of substrate use, body mass and intermembral index in primates. 2018 , 306, 207-216	23
773	A Dynamic Co-expression Map of Early Inflorescence Development in Provides a Resource for Gene Discovery and Comparative Genomics. 2018 , 9, 1309	9

772	The response to selection in Glycoside Hydrolase Family 13 structures: A comparative quantitative genetics approach. 2018 , 13, e0196135	1
771	Evolution of the U.S. Biological Select Agent <i>Rathayibacter toxicus</i> . 2018 , 9,	7
770	Do United States protected areas effectively conserve forest tree rarity and evolutionary distinctiveness?. 2018 , 224, 34-46	31
769	Evolution at the tips: <i>Asclepias</i> phylogenomics and new perspectives on leaf surfaces. 2018 , 105, 514-524	14
768	Phylogeny, species delimitation and revision of <i>Pleioluma</i> (Sapotaceae) in New Caledonia, a frequently gynodioecious genus. 2018 , 31, 120	4
767	Eyes Wide Shut: the impact of dim-light vision on neural investment in marine teleosts. 2018 , 31, 1082-1092	7
766	Trait patterns across space and time suggest an interplay of facilitation and competition acting on Neotropical hummingbird-pollinated plant communities. 2018 , 127, 1690-1700	21
765	Multiple origins of green blood in New Guinea lizards. 2018 , 4, eaao5017	14
764	Frequent transmission of the <i>Mycobacterium tuberculosis</i> Beijing lineage and positive selection for the EsxW Beijing variant in Vietnam. 2018 , 50, 849-856	94
763	MASCOT: parameter and state inference under the marginal structured coalescent approximation. 2018 , 34, 3843-3848	28
762	Reconciling comparative anatomy and mitochondrial phylogenetics in revising species limits in the Australian semislug <i>Helicarion Füssac, 1821</i> (Gastropoda: Stylommatophora). 2018 ,	2
761	Repeated Cis-Regulatory Tuning of a Metabolic Bottleneck Gene during Evolution. 2018 , 35, 1968-1981	12
760	Biological Processes Modulating Longevity across Primates: A Phylogenetic Genome-Phenome Analysis. 2018 , 35, 1990-2004	42
759	Non-uniform evolutionary response of gecko eye size to changes in diel activity patterns. 2018 , 14,	12
758	The polyphyly of : comprehensive phylogenetic analyses of the malaria parasites (order Haemosporida) reveal widespread taxonomic conflict. 2018 , 5, 171780	82
757	Early Evolution of Modern Birds Structured by Global Forest Collapse at the End-Cretaceous Mass Extinction. 2018 , 28, 1825-1831.e2	65
756	Early Cretaceous greenhouse pumped higher taxa diversification in spiders. 2018 , 127, 146-155	18
755	Methods for phylogenetic analysis of microbiome data. 2018 , 3, 652-661	43

754	Accelerated diversification and functional trait evolution in Velloziaceae reveal new insights into the origins of the campos rupestres' exceptional floristic richness. 2018 , 122, 165-180	23
753	Transcending data gaps: a framework to reduce inferential errors in ecological analyses. 2018 , 21, 1200-1210	12
752	Toward a general explanation for latitudinal clines in body size among chelonians. 2018 , 124, 381-393	4
751	Well-Annotated microRNAomes Do Not Evidence Pervasive miRNA Loss. 2018 , 10, 1457-1470	28
750	On the evolution of visual female sexual signalling. 2018 , 285,	8
749	Phylogenomics clarifies repeated evolutionary origins of inbreeding and fungus farming in bark beetles (Curculionidae, Scolytinae). 2018 , 127, 229-238	30
748	Diversification rates of the "Old Endemic" murine rodents of Luzon Island, Philippines are inconsistent with incumbency effects and ecological opportunity. 2018 , 72, 1420	13
747	Wobbling Forth and Drifting Back: The Evolutionary History and Impact of Bacterial tRNA Modifications. 2018 , 35, 2046-2059	15
746	Niche conservatism and phylogenetic clustering in a tribe of arid-adapted marsupial mice, the Sminthopsini. 2018 , 31, 1204-1215	4
745	Climatic Niche Dynamics and Its Role in the Insular Endemism of Anolis Lizards. 2018 , 45, 345-357	3
744	Asynchronous evolution of interdependent nest characters across the avian phylogeny. 2018 , 9, 1863	17
743	Genome size variation and evolution in the grape family Vitaceae. 2018 , 56, 273-282	11
742	Phylogenetic diversity patterns in Himalayan forests reveal evidence for environmental filtering of distinct lineages. 2018 , 9, e02157	16
741	A systematic review and meta-analysis reveals pervasive effects of germline mitochondrial replacement on components of health. 2018 , 24, 519-534	29
740	Medicinal plants of Chinese Pharmacopoeia and Daodi: Insights from phylogeny and biogeography. 2018 , 10, 269-278	8
739	Leaf stable isotopes suggest shared ancestry is an important driver of functional diversity. 2018 , 187, 967-975	6
738	Next generation quantitative microbiological risk assessment: Refinement of the cold smoked salmon-related listeriosis risk model by integrating genomic data. 2018 , 10, 20-27	20
737	Why are Morpho Blue?. 2018 , 139-174	5

- 736 Subfunctionalization versus neofunctionalization after whole-genome duplication. **2018**, 50, 908-909 38
- 735 Evolution of floral traits and impact of reproductive mode on diversification in the phlox family (Polemoniaceae). **2018**, 127, 878-890 18
- 734 Sex-biased breeding dispersal is predicted by social environment in birds. **2018**, 8, 6483-6491 12
- 733 Long-read whole genome sequencing and comparative analysis of six strains of the human pathogen *Orientia tsutsugamushi*. **2018**, 12, e0006566 18
- 732 Evolution of nutrient resorption across the herbaceous genus *Helianthus*. **2018**, 219, 887-899 2
- 731 Evolution of skeletal and muscular morphology within the functionally integrated lower jaw adduction system of sculpins and relatives (Cottoidei). **2018**, 129, 59-65 4
- 730 Structural complexity of hunting habitat and territoriality increase the reversed sexual size dimorphism in diurnal raptors. **2018**, 49, e01745 4
- 729 Diversification across biomes in a continental lizard radiation. **2018**, 72, 1553 12
- 728 The evolution of anti-bat sensory illusions in moths. **2018**, 4, eaar7428 16
- 727 Testing the Dutilleul syndrome: host use drives the convergent evolution of multiple traits in parasitic wasps. **2018**, 31, 1430-1439 5
- 726 Dissecting the basis of novel trait evolution in a radiation with widespread phylogenetic discordance. **2018**, 27, 3301 35
- 725 Nuptial gift chemistry reveals convergent evolution correlated with antagonism in mating systems of harvestmen (Arachnida, Opiliones). **2018**, 8, 7103-7110 5
- 724 From tree tops to the ground: Reversals to terrestrial habit in *Galeandra* orchids (Epidendroideae: Catasetinae). **2018**, 127, 952-960 13
- 723 Improved phylogenetic resolution within Siphonophora (Cnidaria) with implications for trait evolution. **2018**, 127, 823-833 11
- 722 Geographic Range Dynamics Drove Ancient Hybridization in a Lineage of Angiosperms. **2018**, 192, 171-187 8
- 721 Resolving the rapid plant radiation of early diverging lineages in the tropical Zingiberales: Pushing the limits of genomic data. **2018**, 128, 55-68 25
- 720 Global drivers of reef fish growth. **2018**, 19, 874-889 33
- 719 Phylogenetic comparative methods: Harnessing the power of species diversity to investigate welfare issues in captive wild animals. **2018**, 37, 369-388 9

718	Predictable evolution towards larger brains in birds colonizing oceanic islands. 2018 , 9, 2820	26
717	Convergent evolution in the Euarchontoglires. 2018 , 14,	9
716	Effects of phylogeny and geography on ecomorphological traits in passerine bird clades. 2018 , 45, 2337-2347	7
715	Factors determining hybridization rate in plants: A case study in Michigan. 2018 , 34, 51-60	9
714	Evolutionary dynamics of host specialization in wood-decay fungi. 2018 , 18, 119	62
713	A North American stem turaco, and the complex biogeographic history of modern birds. 2018 , 18, 102	16
712	Which Plants Used in Ethnomedicine Are Characterized? Phylogenetic Patterns in Traditional Use Related to Research Effort. 2018 , 9, 834	20
711	The genome of <i>Dioscorea zingiberensis</i> sheds light on the biosynthesis, origin and evolution of the medicinally important diosgenin saponins.	1
710	Proteome-Based Clustering Approaches Reveal Phylogenetic Insights into Amphistegina.	
709	Body size, shape and ecology in tetrapods. 2022 , 13,	2
708	Strains Associated with Two 2020 Welder Anthrax Cases in the United States Belong to Separate Lineages within <i>Bacillus cereus</i> sensu lato. 2022 , 11, 856	
707	The innovation of the symbiosome has enhanced the evolutionary stability of nitrogen fixation in legumes. 2022 , 235, 2365-2377	2
706	Spatiotemporal changes in influenza A virus prevalence among wild waterfowl inhabiting the continental United States throughout the annual cycle. 2022 , 12,	1
705	Time for speciation and niche conservatism explain the latitudinal diversity gradient in clupeiform fishes.	0
704	Climate drives anuran breeding phenology in a continental perspective as revealed by citizen-collected data.	1
703	Diversification rates in Tardigrada indicate a decreasing tempo of lineage splitting regardless of reproductive mode.	0
702	The macroevolutionary impact of recent and imminent mammal extinctions on Madagascar.	
701	Body mass and cell size shape the tolerance of fishes to low oxygen in a temperature-dependent manner.	3

- 700 Floral evolution and pollinator diversification in *Hedychium*: revisiting Darwin's predictions using an integrative taxonomic approach. 0
- 699 Characterization of resistance to newer antimicrobials among carbapenem-resistant *Klebsiella pneumoniae* in the post-acute-care setting. 1-4
- 698 Warning coloration, body size and the evolution of gregarious behavior in butterfly larvae. 1
- 697 The Early Terrestrial Fungal Lineage of *Conidiobolus*—transition from Saprotroph to Parasitic Lifestyle. **2022**, 8, 789 0
- 696 Assessing genomic and ecological differentiation among subspecies of the Rough-footed Mud Turtle, *Kinosternon hirtipes*.
- 695 (Meta)Genomic Analysis Reveals Diverse Energy Conservation Strategies Employed by Globally Distributed Gemmatimonadota.
- 694 Insights from the genomes of four diploid *Camelina* spp.
- 693 Evolutionary dynamics of genome size and content during the adaptive radiation of Heliconiini butterflies. 1
- 692 Cognition contra camouflage: How the brain mediates predator-driven crypsis evolution. **2022**, 8, 0
- 691 The ecology of cancer prevalence across species: Cancer prevalence is highest in desert species and high trophic levels. 0
- 690 The oldest semi-aquatic beaver in the world and a new hypothesis for the evolution of locomotion in Castoridae. **2022**, 9, 0
- 689 Sugar Concentration, Nitrogen Availability, and Phylogenetic Factors Determine the Ability of *Acinetobacter* spp. and *Rosenbergiella* spp. to Grow in Floral Nectar. 1
- 688 Outbreak dynamics of foodborne pathogen *Vibrio parahaemolyticus* over a seventeen year period implies hidden reservoirs. **2022**, 7, 1221-1229 0
- 687 Keeping 21st Century Paleontology Grounded: Quantitative Genetic Analyses and Ancestral State Reconstruction Re-Emphasize the Essentiality of Fossils. **2022**, 11, 1218 0
- 686 High-Density Three-Dimensional Morphometric Analyses Reveal Predation-Based Disparity and Evolutionary Modularity in Spider Jaws
- 685 Integrative Phylogenetics: Tools for Palaeontologists to Explore the Tree of Life. **2022**, 11, 1185 0
- 684 Phylogenomic structure and speciation in an emerging model: the *Sphagnum magellanicum* complex (Bryophyta). 0
- 683 Genomic epidemiology of the first two waves of SARS-CoV-2 in Canada. 11, 1

682 Evolution of fungal phenotypic disparity.

681 Radiation and hybridization underpin the spread of the fire ant social supergene. **2022**, 119,

○

680 Functional Trade-offs Asymmetrically Promote Phenotypic Evolution.

679 Origination of LTR retroelement-derived NYNRIN coincides with therian placental emergence.

○

678 Phylogeny and evolution of morphological structures in a highly diverse lineage of fruiting-body-forming amoebae, order Trichiales (Myxomycetes, Amoebozoa). **2022**, 107609

○

677 Fine-scale spatial variation shape fecal microbiome diversity and composition in black-tailed prairie dogs (*Cynomys ludovicianus*).

676 Convergence, divergence, and macroevolutionary constraint as revealed by anatomical network analysis of the squamate skull, with an emphasis on snakes. **2022**, 12,

675 Once upon a time in Mexico: Holocene phylogeography of the spotted bat (*Euderma maculatum*).

674 Mosaic adaptive peak shifts underlie body shape diversification in pelagiarian fishes (Acanthomorpha: Percomorpha).

673 New plastome structural rearrangements discovered in core Tillandsioideae (Bromeliaceae) support recently adopted taxonomy. 13,

672 Extra-pair paternity drives plumage colour elaboration in male passerines. **2022**, 17, e0273347

○

671 Interspecific differences and ecological correlations between scale number and skin structure in freshwater fishes.

○

670 Glaucoma through Animal Eyes: Insights from the Evolution of Intraocular Pressure in Mammals and Birds. **2022**, 12, 2027

669 Distribution and origins of *Mycobacterium tuberculosis* L4 in Southeast Asia.

668 Phylogenomic analysis of the parrots of the world distinguishes artifactual from biological sources of gene tree discordance.

○

667 Phylogenomic analysis of 997 nuclear genes reveals the need for extensive generic re-delimitation in Caesalpinioideae (Leguminosae). 205, 3-58

1

666 Disintegration of the genus *Prosopis* L. (Leguminosae, Caesalpinioideae, mimosoid clade). 205, 147-189

2

665 Evolutionary analysis of swimming speed in early vertebrates challenges the New Head Hypothesis **2022**, 5,

○

- 664 Floral visitation to alien plants is non-linearly related to their phylogenetic and floral similarity to native plants. 0
- 663 Geographic isolation drives speciation in Nearctic aphids. **2022**, 5, 0
- 662 Sexual signals persist over deep time: ancient co-option of bioluminescence for courtship displays in cypridinid ostracods. 0
- 661 When did bumblebees reach South America? Unexpectedly old montane species may be explained by Mexican stopover (Hymenoptera: Apidae). **2022**, 20, 1-24 1
- 660 Robust Phylogenetic Regression. 0
- 659 Phylogenomics uncovers evolutionary trajectory of nitrogen fixation in Cyanobacteria. 0
- 658 Phylogenetic, Allometric, and Ecological Factors Affecting Morphological Variation in the Scapula and Humerus of Spiny Rats (Rodentia: Echimyidae). 0
- 657 The ontogeny of asymmetry in echolocating whales. **2022**, 289, 0
- 656 Biodiversity cradles and museums segregating within hotspots of endemism. **2022**, 289, 2
- 655 The role of phylogenetic relatedness on alien plant success depends on the stage of invasion. **2022**, 8, 906-914 0
- 654 Whole genome assembly of the armored loricariid catfish *Ancistrus triradiatus* highlights herbivory signatures. 0
- 653 Composition and organization of kinetochores show plasticity in apicomplexan chromosome segregation. **2022**, 221, 1
- 652 A common mechanism drives the alignment between the micro- and macroevolution of primate. 0
- 651 Dynamics of transposable element accumulation in the non-recombining regions of mating-type chromosomes in anther-smut fungi. 0
- 650 Strong phenological shifts among bumblebee species in North America can help predict extinction risk. **2022**, 272, 109675 0
- 649 Phylogenetic climatic niche conservatism in sandflies (Diptera: Phlebotominae) and their relatives. 0
- 648 Seasonal polyphenism underlies the origin of a sterile caste in aphids. 0
- 647 Escaping from predators: a review of Neotropical lizards defence traits. 1-31 0

- 646 Ecomorphology of six goatfish species (Mullidae) from Toliara Reef, Madagascar. ○
- 645 Climate constrains the leaf morphologies and photosynthetic strategies of Darwin's daisies.
- 644 Correlated evolution of eggshell maculation with social breeding and nest type in Hirundinidae.
- 643 Phylogenetic relationship and soil salinity shape intraspecific trait variability of *Phragmites australis* in the Yellow River Delta. 9,
- 642 Interplay between conservatism and divergence in climatic niche evolution of Brassicaceae tribe Eudemeae shaped their distribution across the different environments of the Andes. ○
- 641 Nitrogen-based symbioses, phosphorus availability, and accounting for a modern world more productive than the Paleozoic. ○
- 640 Whole genome sequencing of mesorhizobia isolated from northern Canada.
- 639 A simple hierarchical model for heterogeneity in the evolutionary correlation on a phylogenetic tree. 10, e13910 ○
- 638 Patterns and Trends in the Publication of Natural History Notes in Herpetology Journals Over the Past Decade. **2022**, 56,
- 637 Using phylogeographic link-prediction in primates to prioritize human parasite screening.
- 636 A single residue confers selective loss of sugar sensing in wrynecks. **2022**, ○
- 635 Distribution and abundance of tetraether lipid cyclization genes in terrestrial hot springs reflects pH.
- 634 Predicting long pendant edges in model phylogenies, with applications to biodiversity and tree inference.
- 633 Inaccurate fossil placement does not compromise tip-dated divergence times. 1
- 632 Plumage color evolves as distinct dorsal and ventral modules in Australasian honeyeaters.
- 631 Coevolution of the premaxillary ascending process and jaw protrusion in Lake Malawi cichlid fishes. 1
- 630 Wildlife susceptibility to infectious diseases at global scales. **2022**, 119, ○
- 629 Evolution and development of male-specific leg brushes in Drosophilidae. ○

- 628 A Positive Correlation between CRISPR-Cas Spacer Abundance and Cell Cycle Duration Across the Bacteria Domain.
- 627 *Bacillus megaterium* HgT21: a Promising Metal Multiresistant Plant Growth-Promoting Bacteria for Soil Bioremediation. 1
- 626 Burrowing constrains patterns of skull shape evolution in wrasses. 1
- 625 Dietary influences on head and neck ranges of motion in neotropical bats. 0
- 624 Skimming for barcodes: rapid production of mitochondrial genome and nuclear ribosomal repeat reference markers through shallow shotgun sequencing. 10, e13790 1
- 623 Spatial patterns of evolutionary diversity in Cactaceae show low ecological representation within protected areas. **2022**, 273, 109677
- 622 Transposons and non-coding regions drive the intrafamily differences of genome size in insects. **2022**, 25, 104873 0
- 621 Evaluating the efficiency of popular species identification analytical methods, and integrative workflow using morphometry and barcoding bioinformatics for taxonomy and origin of traded cryptic brown frogs. **2022**, 38, e02253 0
- 620 SpORtI: The species originality and rarity index combines phylogenetic and functional originality with rarity metrics to provide a new perspective on species rarity. **2022**, 143, 109339
- 619 Phylogenomics and body shape morphometrics reveal recent diversification in the goatfishes (Syngnatharia: Mullidae). **2022**, 177, 107616
- 618 Extreme-sized anurans are more prone to climate-driven extinctions. **2023**, 4, 100062
- 617 Translation Comes First: Ancient and Convergent Selection of Codon Usage Bias Across Prokaryotic Genomes. 0
- 616 Diversification dynamics of chameleons (Chamaeleonidae). 0
- 615 Evolution and Biogeographic History of Rubyspot Damselflies (Hetaerinae: Calopterygidae: Odonata). **2022**, 14, 757 0
- 614 Evidence of selection in the uncoupling protein 1 gene region suggests local adaptation to solar irradiance in savannah monkeys (*Chlorocebus* spp.). **2022**, 289, 0
- 613 Association of spring phenological traits with phylogeny and adaptation to native climate in temperate plant species in Northeast China. **2022**, 143, 109381 0
- 612 One-way ticket to the blue: A large-scale, dated phylogeny revealed asymmetric land-to-water transitions in acariform mites (Acari: Acariformes). **2022**, 177, 107626 0
- 611 Data collected by citizen scientists reveal the role of climate and phylogeny on the frequency of shelter types used by frogs across the Americas. **2022**, 155, 126052 1

- 610 Acute CO₂ tolerance in fishes is associated with air breathing but not the Root effect, red cell NHE, or habitat. **2022**, 274, 111304 1
- 609 A comprehensive molecular phylogeny of the brachyuran crab superfamily Xanthoidea provides novel insights into its systematics and evolutionary history. **2022**, 177, 107627 0
- 608 Skull Morphological Evolution in Faunivorous Marsupials. **2022**, 1-21 0
- 607 Hair Microstructure Diversity in Neotropical Marsupials: Roles of Phylogenetic Signal and Adaptation. **2022**, 1-21 0
- 606 Clonality, inbreeding, and hybridization in two extremotolerant black yeasts. **2022**, 11, 1 1
- 605 Lifestyle Evolution Analysis by Binary-State Speciation and Extinction (BiSSE) Model. **2022**, 327-342 0
- 604 Pollination in Melastomataceae: A Family-Wide Update on the Little We Know and the Much That Remains to Be Discovered. **2022**, 585-607 0
- 603 Genetic diversity analysis and core collection construction for *Amaranthus tricolor* germplasm based on genome-wide single-nucleotide polymorphisms. **2023**, 307, 111428 1
- 602 Phylogeny, character evolution, and biogeography of the fern genus *Bolbitis* (Dryopteridaceae). **2023**, 178, 107633 0
- 601 Intrinsic growth rate and cellobiohydrolase activity underlie the phylogenetic signal to fungal decomposer succession. **2023**, 61, 101180 0
- 600 Ascospore morphology of bryophilous Pezizales is closely associated with the place of infection and host ecology. **2023**, 61, 101200 0
- 599 Diploid-dominant life cycles characterize the early evolution of Fungi. **2022**, 119, 1 1
- 598 A Revised Phylogenetic Classification for *Viola* (Violaceae). **2022**, 11, 2224 1
- 597 Re-assessing niche partitioning in MacArthur's Warblers: foraging behavior, morphology, and diet metabarcoding in a phylogenetic context. 0
- 596 Multi-queen breeding is associated with the origin of inquiline social parasitism in ants. **2022**, 12, 0 0
- 595 Epidemiological and viral characteristics of undiagnosed HIV infections in Botswana. **2022**, 22, 0 0
- 594 Can hyper/hypo-osmoregulating fiddler crabs from the Atlantic coast of South America mobilize intracellular free amino acids as osmotic effectors during salinity challenge?. 0
- 593 Congeneric predators fill discrete niches created by the relative abundances of their prey species. 0

592	Convergence and constraint in the cranial evolution of mosasaurid reptiles and early cetaceans. 1-17	0
591	Cryptic functional diversity in ant tandem runs.	0
590	Africa's oldest dinosaurs reveal early suppression of dinosaur distribution. 2022 , 609, 313-319	2
589	The evolution of insular woodiness. 2022 , 119,	4
588	Down a Rabbit Hole: Burrowing Behaviour and Larger Home Ranges are Related to Larger Brains in Leporids.	2
587	Diversification is correlated with temperature in white and sulfur butterflies.	0
586	SPREAD 4: online visualization of pathogen phylogeographic reconstructions.	0
585	Fine-scale spatial variation shape fecal microbiome diversity and composition in black-tailed prairie dogs (<i>Cynomys ludovicianus</i>).	0
584	Plant speciation in the Namib Desert: potential origin of a widespread derivative species from a narrow endemic.	1
583	The relationship between transposable elements and ecological niches in the Greater Cape Floristic Region: A study on the genus <i>Pteronia</i> (Asteraceae). 13,	0
582	Risk factors for stereotypic behaviour in captive ungulates. 2022 , 289,	2
581	A Preliminary Molecular Phylogeny for <i>Stiria</i> (Noctuidae, Stiriinae) and Description of a New Species from Texas. 2022 , 76,	0
580	Evolution of the rostral scale and mimicry in the genus <i>Xenodon</i> Boie, 1826 (Serpentes: Dipsadidae: Xenodontinae). 2022 , 137, 280-293	0
579	Lip service: histological phenotypes correlate with diet and feeding ecology in herbivorous pacus.	0
578	Testing for changes in rate of evolution and position of the climatic niche of clades. 2022 , 52, 573-583	0
577	Genetic drift promotes and recombination hinders speciation on a holey fitness landscape.	0
576	Convergence without divergence in North American red-flowering <i>Silene</i> . 13,	0
575	A phylogenomically informed five-order system for the closest relatives of land plants. 2022 ,	1

574	Variation in macroevolutionary dynamics among extant primates.	0
573	The Shape of Phylogenies Under Phase-Type Distributed Times to Speciation and Extinction. 2022 , 84,	0
572	Shared cultural ancestry predicts the global diffusion of democracy. 1-22	0
571	Genome sequencing and comparative analysis of Wolbachia strain wAlbA reveals Wolbachia-associated plasmids are common. 2022 , 18, e1010406	0
570	Cranial ecomorphology of turtles and neck retraction as a possible trigger of ecological diversification.	0
569	Skin ionocyte density of amphibious killifishes is shaped by phenotypic plasticity and constitutive interspecific differences.	1
568	Recombination rate variation shapes genomic variability of phylogeographic structure in a widespread North American songbird (Aves: <i>Certhia americana</i>).	0
567	Diversity and evolution of amphibian pupil shapes.	1
566	Variable evidence for convergence in morphology and function across avian nectarivores.	0
565	Mega-sized pericentromeric blocks of simple telomeric repeats and their variants reveal patterns of chromosome evolution in ancient Cycadales genomes.	0
564	Orthologous microsatellites, transposable elements, and DNA deletions correlate with generation time and body mass in neoavian birds. 2022 , 8,	0
563	Morphological evolution of bird wings follows a mechanical sensitivity gradient determined by the aerodynamics of flapping flight.	0
562	Using Genomes and Evolutionary Analyses to Screen for Host-Specificity and Positive Selection in the Plant Pathogen <i>Xylella fastidiosa</i> . 2022 , 88,	0
561	Climate influences bill shape diversification in cavity-excavating birds.	2
560	Morphometric analysis of the elasmobranch olfactory rosette.	0
559	Hatching failure is greater in altricial bird species with cavity nests and large clutches.	0
558	Galeaspid anatomy and the origin of vertebrate paired appendages. 2022 , 609, 959-963	0
557	Assemblages of Plasmodium and Related Parasites in Birds with Different Migration Statuses. 2022 , 23, 10277	0

- 556 The genetic mechanisms underlying the convergent evolution of pollination syndromes in the Neotropical radiation of *Costus* L.. 13, 0
- 555 Influence of temperature on growth and development of dictyostelid slime moulds and its implication on the evolution of cold-tolerance. 0
- 554 Exploring Conflicts in Whole Genome Phylogenetics: A Case Study within Manakins (Aves: Pipridae). 0
- 553 Chemodiversity is closely linked to genetic and environmental diversity: Insights into the endangered populations of the local endemic plant *Sideritis euboica* Heldr. of Evia Island (Greece). **2022**, 100426 0
- 552 The evolutionary rate of leaf osmotic strength drives diversification of *Primulina* species in karst regions. 0
- 551 Predicting host associations of the invasive spotted lanternfly on trees across the USA. 0
- 550 Wildlife trade targets colorful birds and threatens the aesthetic value of nature. **2022**, 0
- 549 Genome-wide species delimitation analyses of a silverside fish species complex in central Mexico indicate taxonomic over-splitting. **2022**, 22, 0
- 548 Songbirds of the Americas show uniform morphological evolution despite heterogeneous diversification. **2022**, 35, 1335-1351 0
- 547 Complex plumages spur rapid color diversification in island kingfishers (Aves: Alcedinidae). 0
- 546 Age and micronutrient effects on the microbiome in a mouse model of zinc depletion and supplementation. 0
- 545 In vivo bite force in lovebirds (*Agapornis roseicollis*, Psittaciformes) and their relative biting performance among birds. 0
- 544 Coevolution of the olfactory organ and its receptor repertoire in ray-finned fishes. **2022**, 20, 1
- 543 Interspecific forced copulations generate most hybrids in broadly sympatric ducks. **2022**, 17, e0274059 0
- 542 Relictual Hybridization and Biogeography of Massasauga Rattlesnakes (*Sistrurus* spp.). 0
- 541 Evolutionary convergence on hummingbird pollination in Neotropical *Costus* provides insight into the causes of pollinator shifts. 1
- 540 Conoid extrusion regulates glideosome assembly to control motility and invasion in Apicomplexa. 0
- 539 Codiversification of gut microbiota with humans. **2022**, 377, 1328-1332 3

- 538 Phylogeny and adaptative evolution to chemosynthetic habitat in barnacle (Cirripedia: Thoracica) revealed by mitogenomes. 9, 0
- 537 Phylogenetic patterns of rarity and vulnerability in the flora of a temperate mountain range. 0
- 536 Evolutionary inference across eukaryotes identifies universal features shaping organelle gene retention. **2022**, 1
- 535 Diverse ecological functions and the convergent evolution of grass awns. **2022**, 109, 1331-1345 0
- 534 Does IR-loss promote plastome structural variation and sequence evolution?. 13, 0
- 533 Anatomical network analyses reveal evolutionary integration and modularity in the lizards skull. **2022**, 12, 0
- 532 Rapid phylogenetic analysis using open reading frame content patterns acquired by Oxford nanopore sequencing. 0
- 531 Rapid expansion and visual specialization of learning and memory centers in Heliconiini butterflies. 0
- 530 Environmental temperature predicts resting metabolic rates in tropidurinae lizards. 0
- 529 Isometric spiracular scaling in scarab beetlesImplications for diffusive and advective oxygen transport. 11, 1
- 528 Evolutionary allometry and ecological correlates of fang length evolution in vipers. **2022**, 289, 1
- 527 Divergent leaf and fine root pressure-volume relationships across habitats with varying water availability. 0
- 526 Bacteriophages targeting protective commensals impair resistance against Salmonella Typhimurium infection in gnotobiotic mice. 0
- 525 Global diversification of the common moonwort ferns (*Botrychium lunaria* group, Ophioglossaceae) was mainly driven by Pleistocene climatic shifts. 0
- 524 eDNA metabarcoding shows latitudinal eukaryote micro- and mesoplankton diversity stabilizes across oligotrophic region of a >3000 km longitudinal transect in the Indian Ocean. **2022**, 105178 0
- 523 The population-level impact of *Enterococcus faecalis* genetics on intestinal colonisation and extraintestinal infection. 0
- 522 Coevolutionary maintenance of forked tails and song in hirundines (Aves: Hirundininae). 0
- 521 The genetic basis for adaptation in giant sea anemones to their symbiosis with anemonefish and Symbiodiniaceae. 0

- 520 Widespread sympatry in a species-rich clade of marine fishes (Carangoidei). ○
- 519 New estimates of genome size in Orthoptera and their evolutionary implications. ○
- 518 Testing the evolutionary drivers of nitrogen-fixing symbioses in challenging soil environments. ○
- 517 A large nuclear and mitochondrial sequence dataset for phylogenetic analysis of the hyperdiverse Asterophryinae frogs of the New Guinea region with data on lifestyle, GPS coordinates, elevation, and multispecies communities with accompanying code. ○
- 516 Global diversity and adaptations of avian eggshell thickness indices. ○
- 515 Decoupled spectral tuning and eye size diversification patterns in an Antarctic adaptive radiation. ○
- 514 Diet disparity and diversity predict extinction risk in primates. ○
- 513 Macroevolutionary patterns in marine hermaphroditism. ○
- 512 On the origins of phenotypic parallelism in benthic and limnetic stickleback. ○
- 511 Horizontal transferred T-DNA and haplotype-based phylogenetic analysis uncovers the origin of sweetpotato. ○
- 510 Phylogenetic and environmental patterns of sex differentiation in physiological traits across *Drosophila* species. ○
- 509 More than mcr: Canonical Plasmid- and Transposon-Encoded Mobilized Colistin Resistance (mcr) Genes Represent a Subset of Phosphoethanolamine Transferases. ○
- 508 Mating strategy predicts gene presence/absence patterns in a genus of simultaneously hermaphroditic flatworms. ○
- 507 Macroevolutionary analysis of swallows revived the sight-line hypothesis. ○
- 506 Lineage-specific protein repeat expansions and contractions reveal malleable regions of immune genes. ○
- 505 Comparative whole genome analysis reveals re-emergence of typical human Wa-like and DS-1-like G3 rotaviruses after Rotarix vaccine introduction in Malawi. 1
- 504 Evidence for an evo-devo-derived hypothesis on three-dimensional flower shape modularity in a tropical orchid clade. ○
- 503 Gains and losses of the epiphytic lifestyle in epidendroid orchids: review and new analyses with succulence traits. ○

- 502 Prophage-encoded immune evasion factors are critical for *Staphylococcus aureus* host infection, switching, and adaptation. **2022**, 100194 1
- 501 Do closely related species interact with similar partners? Testing for phylogenetic signal in bipartite interaction networks. 2, 0
- 500 The evolutionary history and ancestral biogeographic range estimation of old-world Rhinolophidae and Hipposideridae (Chiroptera). **2022**, 22, 0
- 499 Slow and steady wins the race: Diversification rate is independent from body size and lifestyle in Malagasy skinks (Squamata: Scincidae: Scincinae). **2022**, 107635 0
- 498 The anatomy of the seed-coat includes diagnostic characters in the subtribe Eugeniinae (Myrteae, Myrtaceae). 13, 0
- 497 Diaspore traits specialized to animal adhesion and sea current dispersal are positively associated with the naturalization of European plants across the world. 0
- 496 Ecological traits affect the seasonal migration patterns of breeding birds along a subtropical altitudinal gradient. **2022**, 13, 100066 0
- 495 Phylogeny, taxonomy, and character evolution in *Entoloma* subgenus *Nolanea*. **2022**, 0
- 494 Antioxidant capacity and lipid oxidative damage in muscle tissue of tropical birds. **2022**, 134, 0
- 493 Diversification dynamics in the Neotropics through time, clades and biogeographic regions. 11, 0
- 492 A Timeline of Bacterial and Archaeal Diversification in the Ocean. 0
- 491 What is an urban bird? Trait-based predictions of urban tolerance for the world's birds are modulated by latitude and human population density. 0
- 490 Detecting signals of adaptive evolution in grape plastomes with a focus on the Cretaceous-Paleogene (K/Pg) transition. 0
- 489 Host body size, not host population size, predicts genome-wide effective population size of parasites. 0
- 488 Whole genome analyses disentangle reticulate evolution of primroses in a biodiversity hotspot. 0
- 487 Factors influencing terrestriality in primates of the Americas and Madagascar. **2022**, 119, 0
- 486 A near-complete species-level phylogeny of uropeltid snakes harnessing historical museum collections as a DNA source. **2022**, 107651 0
- 485 Evolution of sperm morphology in a crustacean genus with fertilization inside an open brood pouch. 2, 0

- 484 Multiple waves of viral invasions in Symbiodiniaceae algal genomes. 0
- 483 Adult male birds advance spring migratory phenology faster than females and juveniles across North America. 0
- 482 Sensory evolution in a cavefish radiation: patterns of neuromast distribution and associated behaviour in *Sinocyclocheilus* (Cypriniformes: Cyprinidae). **2022**, 289, 1
- 481 Why are animals conspicuously colored? Evolution of sexual versus warning signals in land vertebrates. 0
- 480 Ecological and evolutionary trends of body size in *Pristimantis* frogs, the world's most diverse vertebrate genus. **2022**, 12, 0
- 479 Bone density variation in rattails (Macrouridae, Gadiformes): Buoyancy, depth, body size, and feeding. 0
- 478 Parallel evolution of semicircular canal form and sensitivity in subterranean mammals. 0
- 477 Transcriptome-based phylogeny of the semi-aquatic bugs (Hemiptera: Heteroptera: Gerromorpha) reveals patterns of lineage expansion in a series of new adaptive zones. 0
- 476 A marmoset brain cell census reveals persistent influence of developmental origin on neurons. 0
- 475 Evidence for phylogenetic signal and correlated evolution in plant-water relations traits. 0
- 474 Genomic and phylogenomic insights into the family Streptomycetaceae lead to the proposal of six novel genera. **2022**, 72, 1
- 473 Differentiation of skull morphology and cranial kinesis in common toads. 0
- 472 Carbon-isotope composition of artiodactyl tooth enamel and its implications for paleodiets. 10, 0
- 471 Size reduction and skull shape parallelism following the evolutionary forest-to-savanna transition in Platyrrhini monkeys. 0
- 470 Evolutionary rates, disparity, and ecomorphology of the mandible in American marsupials. 0
- 469 Can the extinction risk of Irish vascular plants be predicted using leaf traits?. 0
- 468 Phenotypic plasticity and genetic control in colorectal cancer evolution. 2
- 467 Phylogenomics reveals the evolution, biogeography, and diversification history of voles in the Hengduan Mountains. **2022**, 5, 1

- 466 An early nimravid from California and the rise of hypercarnivorous mammals after the middle Eocene climatic optimum. **2022**, 18, ○
- 465 Reply to: Triassic sauropodomorph eggshell might not be soft. **2022**, 610, E11-E14 ○
- 464 Multiple origins of lipid-based structural colors contribute to a gradient of fruit colors in Viburnum (Adoxaceae). ○
- 463 Biogeography and eye size evolution of the ogre-faced spiders. **2022**, 12, ○
- 462 Phylotranscriptomics interrogation uncovers a complex evolutionary history for the planarian genus Dugesia (Platyhelminthes, Tricladida) in the Western Mediterranean. **2022**, 107649 ○
- 461 The evolution of sex similarities in social signals: Climatic seasonality is associated with lower sexual dimorphism and greater elaboration of female and male signals in antbirds (Thamnophilidae). ○
- 460 Interspecific and intraspecific variation of tree branch, leaf and stomatal traits in relation to topography in an aseasonal Amazon forest. ○
- 459 A cautionary note on quantitative measures of phenotypic convergence. ○
- 458 Identification of differential abundance of satellite DNA sequences in Asclepias (Apocynaceae): in-depth characterization of species-specific sequences. **2022**, 308, ○
- 457 Evolutionary loss of shell pigmentation, pattern, and eye structure in deep-sea snails in the dysphotic zone. ○
- 456 PHENOTYPIC TRAITS EVOLUTION AND MORPHOLOGICAL TRAITS ASSOCIATED WITH ECHOLOCATION CALLS IN CRYPTIC HORSESHOE BATS (RHINOLOPHIDAE). ○
- 455 The rate and role of pseudogenes of the Mycobacterium tuberculosis complex. **2022**, 8, ○
- 454 Cell size is a key ecological trait associated with biogeographic patterns of microbial eukaryotes in coastal waters. 9, ○
- 453 Phylogeny, origin and diversification of the Dasyliirion genus based on matK and rbcL sequences. 1-8 ○
- 452 Similar diversification patterns in sky islands: a comparative approach in lineages from campo rupestre and campo de altitude. **2022**, 125700 ○
- 451 Variation in the rate lateral gene transfers accumulate in a grass lineage. ○
- 450 Thermal adaptation of pelage in desert rodents balances cooling and insulation. ○
- 449 Acrogenospora terricola sp. nov., a fungal species associated with seeds of pioneer trees in the soil seed bank of a lowland forest in Panama. **2022**, 72, ○

- 448 Flagellum tapering and midpiece volume in songbird spermatozoa. 0
- 447 Abiotic conditions shape spatial and temporal morphological variation in North American birds. 0
- 446 A rallid ballad: Communal signaling is correlated with year-round territoriality in the most duet-rich family of birds (Gruiformes: Rallidae). 0
- 445 Long-term responses of life-history strategies to climatic variability in flowering plants. 0
- 444 Ecological factors are likely drivers of eye shape and colour pattern variations across anthropoid primates. **2022**, 12, 0
- 443 Correlation between fine root traits and pathogen richness depends on plant mycorrhizal types. 0
- 442 Geology-based and ecological processes of divergence between and within species of wingless darkling beetles. 0
- 441 Non-symbiotic legumes are more invasive, but only if polyploid. 0
- 440 Environmental signal in the evolutionary diversification of bird skeletons. 1
- 439 Is the Shape of Turtle Claws Driven by Locomotor Modes?. 0
- 438 Cellular and environmental dynamics influence species-specific extents of organelle gene retention. 0
- 437 Why is the beautyberry so colourful? Evolution, biogeography, and diversification of fruit colours in *Callicarpa* (Lamiaceae). **2022**, 2
- 436 Diversity and Divergence: Evolution of secondary metabolism in the tropical tree genus *Inga*. 0
- 435 State of the Amphibia 2020: A Review of Five Years of Amphibian Research and Existing Resources. **2022**, 110, 1
- 434 Ecosystem services of Trees Outside Forests (TOFs) and their contribution to the contemporary sustainability agenda: a systematic review. **2022**, 4, 112002 0
- 433 Biogeographical events, not cospeciation, might be the main drivers in the historical association between *Noctiliostrebla* species (Strebliidae) and their bulldog bat hosts. 0
- 432 Community-level phylogenetic diversity does not differ between rare and common lineages across tallgrass prairies in the northern Great Plains. **2022**, 12, 0
- 431 Structure and formation of the perforated theca defining the Pelagophyceae (Heterokonta), and three new genera that substantiate the diverse nature of the class. 0

430	Selective sweeps on different pigmentation genes mediate convergent evolution of island melanism in two incipient bird species. 2022 , 18, e1010474	1
429	Heterogeneity of the cancer cell line metabolic landscape. 2022 , 18,	1
428	Fruit size in Indo-Malayan island plants is more strongly influenced by filtering than by in situ evolution.	0
427	Genomic evolution of SARS-CoV-2 in Reunion Island. 2022 , 106, 105381	0
426	Is Poaceae pollen size a useful proxy in palaeoecological studies? New insights from a Poaceae pollen morphological study in the Amazon. 2023 , 308, 104790	0
425	Reproductive strategies of a lizard community from an arid environment of Mexico. 2023 , 208, 104875	0
424	Evolution and genomic basis of the plant-penetrating ovipositor: a key morphological trait in herbivorous Drosophilidae. 2022 , 289,	1
423	Mycoplasmataceae dominate microbial community differences between gut regions in mammals with a simple gut architecture.	0
422	The media drives public interest in invasive plants in the US.	0
421	Global ecological niche conservatism and evolution in <i>Olea</i> species. 2022 , 103500	0
420	Sizing up swords: Correlated evolution of antlers and tusks in ruminants.	0
419	Ancestral reconstruction and correlation of the frequencies of the hemoglobin S allele and the Duffy blood group alleles in human populations.	0
418	Phylogenomics and genome size evolution in <i>Amomum</i> s. s. (Zingiberaceae): Comparison of traditional and modern sequencing methods. 2022 , 107666	0
417	Fertilization mode differentially impacts the evolution of vertebrate sperm components. 2022 , 13,	0
416	Contrasting modes of macro and microsynteny evolution in a eukaryotic subphylum. 2022 ,	0
415	Humboldt's legacy: explaining the influence of environmental factors on the taxonomic and phylogenetic diversity of angiosperms along a Neotropical elevational gradient.	2
414	Adaptation of <i>Saccharomyces</i> Species to High-Iron Conditions. 2022 , 23, 13965	0
413	Defensive spines are associated with large geographic range but not diversification in spiny ants (Hymenoptera: Formicidae: <i>Polyrhachis</i>).	1

- 412 One size does not fit all: Variation in anatomical traits associated with emersion behavior in mudskippers (Gobiidae: Oxudercinae). 10, 0
- 411 Ontogenetic Transitions, Biomechanical Trade-Offs and Macroevolution of Scyphozoan Medusae Swimming Patterns. 0
- 410 Ant communities in disturbed subtropical landscapes: is climate more important than stochastic processes?. 0
- 409 Increased phage resistance through lysogenic conversion accompanying emergence of monophasic Salmonella Typhimurium ST34 pandemic strain. 2022, 8, 0
- 408 Modeling the Evolution of Rates of Continuous Trait Evolution. 1
- 407 Unique bone microanatomy reveals ancestry of subterranean specializations in mammals. 0
- 406 Phylogenomic comparative methods: accurate evolutionary inferences in the presence of gene tree discordance. 0
- 405 Female dewlap ornaments are evolutionarily labile and associated with increased diversification rates in Anolis lizards. 2022, 289, 1
- 404 Genomic innovation and horizontal gene transfer shaped plant colonization and biomass degradation strategies of a globally prevalent fungal pathogen. 0
- 403 Unearthing modes of climatic adaptation in underground storage organs across Liliales. 0
- 402 Integrative taxonomy delimits and diagnoses cryptic arboreal species of the *Cyrtodactylus brevipalmatus* group (Squamata, Gekkonidae) with descriptions of four new species from Thailand. 1129, 109-162 0
- 401 Taxonomic vs genomic fungi: contrasting evolutionary loss of protistan genomic heritage and emergence of fungal novelties. 0
- 400 The evolution of feeding mechanics in the Danioninae, or why giant danios don't suck like zebrafish. 0
- 399 Diversity of rhizobia, symbiotic effectiveness, and potential of inoculation in *Acacia mearnsii* seedling production. 0
- 398 Adaptive variation in avian eggshell structure and gas conductance across elevational gradients?. 0
- 397 Mimicry promotes morphological diversification but not speciation in mimetic swallowtail butterflies. 0
- 396 Factors underlying bird community assembly in anthropogenic habitats depend on the biome. 2022, 12, 0
- 395 Virus classification based on in-depth sequence analyses and development of demarcation criteria using the Betaflexiviridae as a case study. 2022, 103, 0

- 394 Including phylogenetic conservatism of shortgrass prairie restoration species does not improve species germinability prediction. 10, 0
- 393 Climate change will redefine taxonomic, functional, and phylogenetic diversity of Odonata in space and time. **2022**, 1, 0
- 392 A Late Devonian actinopterygian suggests high lineage survivorship across the end-Devonian mass extinction. 0
- 391 The ecological diversification and evolution of Teleosauroidea (Crocodylomorpha, Thalattosuchia), with insights into their mandibular biomechanics. **2022**, 12, 0
- 390 The phylogeny of Syntrichia Brid.: An ecologically diverse clade of mosses with an origin in South America. 0
- 389 Summarizing Global SARS-CoV-2 Geographical Spread by Phylogenetic Multitype Branching Models. **2022**, 170-184 0
- 388 Species relationships and phylogenetic diversity of the African genus Encephalartos Lehm. (Zamiaceae). **2023**, 152, 165-173 0
- 387 Active populations and growth of soil microorganisms are framed by mean annual precipitation in three California annual grasslands. **2023**, 177, 108886 0
- 386 Distinctive community assembly enhances the adaptation to extreme environments during hyperthermophilic composting. **2023**, 157, 60-68 0
- 385 An ecomorphological approach to the relationship between craniomandibular morphology and diet in sigmodontine rodents from central-eastern Argentina. **2023**, 156, 126066 0
- 384 Structural evolution of an amphibian-specific globin: A computational evolutionary biochemistry approach. **2023**, 45, 101055 0
- 383 Neotropical stingless bees display a strong response in cold tolerance with changes in elevation. **2022**, 10, 0
- 382 Divergence times of the Rhoadsia clade (Characiformes: Characidae). **2022**, 20, 0
- 381 Evolutionary integration and modularity in the diversity of the suckermouth armoured catfishes. **2022**, 9, 1
- 380 Ancient origin and evolution of microbial mercury methylation. 0
- 379 Neontological and paleontological congruence in the evolution of Podocarpaceae (coniferales) reproductive morphology. 10, 0
- 378 Exploring how the fast-slow pace of life continuum and cell size structure microorganism life history variation. 0
- 377 Sex differences in cooperative coalitions: a mammalian perspective. **2023**, 378, 1

- 376 Climate Relicts: Asian Scorpion Family Pseudochactidae Survived Miocene Aridification in Caves of the Annamite Mountains. **2022**, 6, ○
- 375 Latent functional diversity may accelerate microbial community responses to temperature fluctuations. 11, ○
- 374 Plant growth forms dictate adaptations to the local climate. 13, ○
- 373 Gene transferability and sociality do not correlate with gene connectivity. **2022**, 289, 1 ○
- 372 Testing heterochrony: Connecting skull shape ontogeny and evolution of feeding adaptations in baleen whales. ○
- 371 Migration and the excess exposure of birds to human density in North America. ○
- 370 Profile of a flower: How rates of morphological evolution drive floral diversification in Ericales. ○
- 369 Evolution along allometric lines of least resistance: Morphological differentiation in *Pristurus* geckos. ○
- 368 Target-enrichment sequencing reveals for the first time a well-resolved phylogeny of the core Bromelioideae (family Bromeliaceae). ○
- 367 Dark wing pigmentation as a mechanism for improved flight efficiency in the Larinae. **2022**, 5, ○
- 366 Evolutionary history and precipitation seasonality shape niche overlap in Neotropical bat-plant pollination networks. ○
- 365 Contrasting Brains and Bones: Neuroanatomical Evolution of Turtles (Testudinata). **2023**, 79-121 ○
- 364 Rapid Adaptation of Cellular Metabolic Rate to the microRNA Complements of Mammals. ○
- 363 Variation in the ACE2 receptor has limited utility for SARS-CoV-2 host prediction. 11, ○
- 362 Rarity of microalgae in macro-, meso- and microhabitats. 1-39 ○
- 361 Fear in urban landscapes: conspecific flock size drives escape decisions in tropical birds. **2022**, 9, 2 ○
- 360 Evidence for a chemical arms race between cuckoo wasps of the genus *Hedychrum* and their distantly related host apoid wasps. **2022**, 22, ○
- 359 Optimized phylogenetic clustering of HIV-1 sequence data for public health applications. **2022**, 18, e1010745 ○

- 358 Transcriptome mining extends the host range of the Flaviviridae to non-bilaterians. ○
- 357 Both diet and sociality affect primate brain-size evolution. ○
- 356 Leaf vein topology confers water transport efficiency. ○
- 355 Many-to-one function of cat-like mandibles highlights a continuum of sabre-tooth adaptations. **2022**, 289, ○
- 354 Convergent evolution of elaborate nests as structural defences in birds. **2022**, 289, ○
- 353 Evolution and diversification of Mountain voles (Rodentia: Cricetidae). **2022**, 5, 1
- 352 Convergent adaptation of true crabs (Decapoda: Brachyura) to a gradient of terrestrial environments. ○
- 351 Minute moss beetles in the Southern Hemisphere: Molecular phylogeny, historical biogeography and habitat shifts (Coleoptera: Hydraenidae). ○
- 350 Ruminant inner ear shape records 35 million years of neutral evolution. **2022**, 13, 1
- 349 A quantitative global test of the complexity trade-off hypothesis: the case of nominal and verbal grammatical marking. **2022**, ○
- 348 Comparative genomic analysis and proposal of *Clostridium yunnanense* sp. nov., *Clostridium rhizosphaerae* sp. nov., and *Clostridium paridis* sp. nov., three novel *Clostridium sensu stricto* endophytes with diverse capabilities of acetic acid and ethanol production. **2022**, 102686 ○
- 347 Genome-level analyses resolve an ancient lineage of symbiotic ascomycetes. **2022**, 32, 5209-5218.e5 ○
- 346 Transcriptome mining extends the host range of the Flaviviridae to non-bilaterians. ○
- 345 Evolutionary history of *Nasutitermes kemneri* (Termitidae, Nasutitermitinae), a termite from the South American diagonal of open formations. 10, ○
- 344 Testing drivers of acoustic divergence in cicadas (Cicadidae: Tettigettinae). ○
- 343 Desiccation resistance differences in *Drosophila* species can be largely explained by variations in cuticular hydrocarbons. 11, ○
- 342 Does body shape of toothed whales foretell fast-slow life histories?. ○
- 341 Genetic diversity landscapes in outcrossing and selfing *Caenorhabditis* nematodes. ○

- 340 Folded : A toolkit to describe mammalian herbivore dentition from 2D images. ○
- 339 A new Meckel's cartilage from the Devonian Hangenberg black shale in Morocco and its position in chondrichthyan jaw morphospace. 10, e14418 ○
- 338 Metagenomic discovery of Candidatus Parvarchaeales related lineages sheds light on the adaptation and diversification from neutral-thermal to acidic-mesothermal environments. ○
- 337 Recent speciation associated with range expansion and a shift to self-fertilization in North American Arabidopsis. 2022, 13, ○
- 336 Macroecological and biogeographical patterns of limb reduction in the world's skinks. ○
- 335 The evolutionary origin of avian facial bristles and the likely role of rictal bristles in feeding ecology. 2022, 12, ○
- 334 Age and micronutrient effects on the microbiome in a mouse model of zinc depletion and supplementation. 2022, 17, e0275352 ○
- 333 Who's a pretty bird? Predicting the abundance of bird species in Australian online pet trade. ○
- 332 Recurrent evolution of small body size and loss of the sword ornament in Northern Swordtail fish. ○
- 331 Regionalization, constraints, and the ancestral ossification patterns in the vertebral column of amniotes. 2022, 12, ○
- 330 A phylogenetic approach to studying the roles of within-host evolution and between-host transmission of resistance for clinical Escherichia coli infections. ○
- 329 Symbiotic Microorganisms and Their Different Association Types in Aquatic and Semiaquatic Bugs. 2022, 10, ○
- 328 Evolutionary models demonstrate rapid and adaptive diversification of Australo-Papuan pythons. 2022, 18, ○
- 327 Habitats within the plant root differ in bacterial network topology and taxonomic assortativity. ○
- 326 Confusion will be my epitaph: Genome-scale discordance stifles phylogenetic resolution of Holothuroidea. ○
- 325 The roles of species-relatedness and climate of origin in determining optical leaf traits over a large set of taxa growing at high elevation and high latitude. 13, ○
- 324 A reduced role for water transport during the Cenozoic evolution of epiphytic Eupolypod ferns. ○
- 323 A comparative analysis of mitochondrial ORFs provides new insights on expansion of mitochondrial genome size in Arcidae. 2022, 23, ○

- 322 Bacterial Diversity Associated with *Anastrepha obliqua* Males Change Under Mass-Rearing Conditions and with Irradiation. **2023**, 80, 1
- 321 Horizontally-transferred T-DNA and haplotype-based phylogenetic analysis uncovers the origin of sweetpotato. 0
- 320 Structural screens identify candidate human homologs of insect chemoreceptors and cryptic *Drosophila* gustatory receptor-like proteins. 0
- 319 A phylogenetic approach to inferring the order in which mutations arise during cancer progression. **2022**, 18, e1010560 0
- 318 Independent Evolution Has Led to Distinct Genomic Signatures in Dutch Elm Disease-Causing Fungi and Other Vascular Wilts-Causing Fungal Pathogens. **2023**, 9, 2 0
- 317 Morphological relationships between vertebrate claw unguals and sheaths and the functional morphology of these structures. **2023**, 284, 0
- 316 Ruling the unruly: larval passiveness enabled size inequality between ant queens and workers. 0
- 315 Fertilization modes and the evolution of sperm characteristics in marine fishes: Paired comparisons of externally and internally fertilizing species. **2022**, 12, 0
- 314 Phylogenetic revision of *Dennstaedtioideae* (*Dennstaedtiaceae*: *Polypodiales*) with description of *Mucura*, gen. nov.. 0
- 313 High efficiency purification of divergent AAV serotypes using AAVX affinity chromatography. **2022**, 0
- 312 Correlated evolution of wing morphology and echolocation calls in bats. 10, 0
- 311 Phylogenomics and the first higher taxonomy of Placozoa, an ancient and enigmatic animal phylum. 10, 0
- 310 The phylogenetic limits to diversity-dependent diversification. 0
- 309 Global biogeography of ant social parasites: Exploring patterns and mechanisms of an inverse latitudinal diversity gradient. 0
- 308 Vulnerability to climate change increases with trophic level in terrestrial organisms. **2022**, 161049 0
- 307 Arrested diversification? The phylogenetic distribution of poorly-diversifying lineages. **2022**, 1, 0
- 306 Morphological evolution during the last hurrah of the trilobites: morphometric analysis of the Devonian *asteropyginid* trilobites. 1-17 0
- 305 A critical assessment of ex situ conservation based on the Brazilian avifauna: Are we focusing on what is easier?. **2022**, 0

- 304 Climatic controls on the ecological ascendancy of dinosaurs. **2022**, 0
- 303 Probing the evolutionary dynamics of whole-body regeneration within planarian flatworms. 0
- 302 Incipient morphological specializations associated with fossorial life in the skull of ground squirrels (Sciuridae, Rodentia). **2023**, 284, 0
- 301 The bacterial microbiome of the coral skeleton algal symbiont *Ostreobium* shows preferential associations and signatures of phylosymbiosis. 0
- 300 Ecological drivers and evolutionary consequences of torpor in Andean hummingbirds. 1
- 299 Large-scale spatial variability in urban tolerance of birds. 0
- 298 Turtle body size evolution is determined by lineage-specific specializations rather than global trends. 0
- 297 Diving into a dead-end: asymmetric evolution of diving drives diversity and disparity shifts in waterbirds. **2022**, 289, 0
- 296 The origins of climate-diversity relationships and richness patterns in Chinese plants. **2022**, 12, 0
- 295 Spatiotemporal and ontogenetic variation, microbial selection, and predicted Bd-inhibitory function in the skin-associated microbiome of a Rocky Mountain amphibian. 13, 0
- 294 TiPS : Rapidly simulating trajectories and phylogenies from compartmental models. 0
- 293 Plant water-use strategies as mediators of herbivore drought response: Ecophysiology, host plant quality and functional traits. 0
- 292 The evolution and biological correlates of hand preferences in anthropoid primates. 11, 2
- 291 Parallelism and lineage replacement of the late Miocene scimitar-toothed cats from the old and New World. **2022**, 25, 105637 0
- 290 The first fossil replete ant worker establishes living food storage in the Eocene. 0
- 289 Drivers of the differentiation between broad-leaved trees and shrubs in the shift from evergreen to deciduous leaf habit in forests of eastern Asian subtropics. **2023**, 0
- 288 All *Staphylococcus aureus* bacteraemia-inducing strains can cause infective endocarditis: Results of GWAS and experimental animal studies. **2023**, 0
- 287 Response to Tcherkez and Farquhar: Rubisco adaptation is more limited by phylogenetic constraint than by catalytic trade-off. 0

- 286 Genomics of the *Humorigenes* clade of the family Rhizobiaceae and description of *Rhizobium rhododendrisp.* nov.. ○
- 285 The macroevolutionary impact of recent and imminent mammal extinctions on Madagascar. **2023**, 14, ○
- 284 Novel integrative elements and genomic plasticity in ocean ecosystems. **2023**, 186, 47-62.e16 ○
- 283 Trait Variation in American Marsupials Based on Biological Rules. **2023**, 1-25 ○
- 282 Decoupling the skull and skeleton in a Cretaceous bird with unique appendicular morphologies. **2023**, 7, 20-31 1
- 281 Global patterns of plant form and function are strongly determined by evolutionary relationships. ○
- 280 Phylogenetic comparative approach reveals evolutionary conservatism, ancestral composition, and integration of vertebrate gut microbiota. ○
- 279 Are dark septate endophytes an ancestral ecological state in the evolutionary history of the order Chaetothyriales?. **2023**, 205, ○
- 278 A holistic approach to inventory the diversity of mobilid ciliates (Protista: Ciliophora: Peritrichia). ○
- 277 Whole Genomes Reveal Evolutionary Relationships and Mechanisms Underlying Gene-Tree Discordance in *Neodiprion* Sawflies. ○
- 276 From Fairies to Giants: untangling the effect of body size, phylogeny, and ecology on vertebral bone microstructure of Xenarthran mammals. ○
- 275 The phenotype and genotype of fermentative microbes. ○
- 274 Evolutionary History and host Ecology Determine Acanthocephalan Egg Shape. ○
- 273 Phylogeny of *Saxifraga* section *Saxifraga* subsection *Arachnoideae* (Saxifragaceae) and the origin of low elevation shade-dwelling species. **2023**, 13, ○
- 272 Macroecology and Potential Drivers of Diversity in Webspinner Maternal Care (Order Embioptera). **2023**, 7, ○
- 271 Untangling the complex interactions between turtle ants and their microbial partners. **2023**, 5, ○
- 270 Multidrug resistance plasmids underlie clonal expansions and international spread of *Salmonella enterica* serotype 4,[5],12,i:- ST34 in Southeast Asia. ○
- 269 Genomic investigation refutes record of most diverged avian hybrid. **2023**, 13, ○

- 268 The role of landscape in shaping bird community and implications for landscape management at Nanjing Lukou International Airport. **2023**, 13, 1
- 267 Phylomorphometrics reveal ecomorphological convergence in pea crab carapace shapes (Brachyura, Pinnotheridae). **2023**, 13, 0
- 266 The search behavior of terrestrial mammals. 0
- 265 Ecomorphological adaptations of owl feet and talons. 0
- 264 Drivers of plant diversity, community composition, functional traits and soil processes along an alpine gradient in the central Chilean Andes. 0
- 263 Systematic review of avian hatching failure and implications for conservation. 0
- 262 Surface frustration re-patterning underlies the structural landscape and evolvability of fungal orphan candidate effectors. 0
- 261 Impact of Nesting Mode, Diet, and Taxonomy in Structuring the Associated Microbial Communities of Amazonian Ants. **2023**, 15, 126 0
- 260 Evolutionary insights from an anatomical network analysis of the hyolaryngeal apparatus in extant archosaurs (birds and crocodylians). 0
- 259 Ecological and life history drivers of avian skull evolution. 0
- 258 Micro and macroevolution of sea anemone venom phenotype. **2023**, 14, 1
- 257 Dominant ecological processes and plant functional strategies change during the succession of a subtropical forest. **2023**, 146, 109885 0
- 256 Conservation interventions are required to improve bird breeding performance in artificial wetlands. **2023**, 278, 109872 0
- 255 Molecular, morphological, and life history data to support research of huntsman spiders (Araneae: Sparassidae). **2023**, 46, 108885 0
- 254 Taxonomic significance and evolution of homobaric and heterobaric leaves in Adesmia clade species (Leguminosae [Papilionoideae]). **2023**, 58, 125714 0
- 253 Investigating Foot Morphology in Rock Climbing Mammals: Inspiration for Biomimetic Climbing Shoes. **2023**, 8, 8 0
- 252 Divergent litter traits of riparian plant species between humid and drier biomes within the tropics. 0
- 251 Phylogeny and Morphology Determine Vulnerability to Global Warming in Pristimantis Frogs. **2023**, 12, 130 0

- 250 Defining ancestry, heritability and plasticity of cellular phenotypes in somatic evolution. 0
- 249 Are the Organellar Genomes Useful for Fine Scale Population Structure Analysis of Endangered Plants? A Case Study of *Pulsatilla patens* (L.) Mill. **2023**, 14, 67 0
- 248 Phylogenetics and the Cenozoic radiation of lampreys. **2022**, 0
- 247 One in, one out: Generic circumscription within subtribe Manilkarinae (Sapotaceae). 0
- 246 Postglacial adaptations enabled colonization and quasi-clonal dispersal of ammonia-oxidizing archaea in modern European large lakes. **2023**, 9, 1
- 245 Nesting behavior of the Chestnut-crowned Gnatcatcher (*Conopophaga castaneiceps*). **2022**, 56, 2031-2046 0
- 244 Accelerated SARS-CoV-2 intrahost evolution leading to distinct genotypes during chronic infection. **2023**, 100943 1
- 243 Nano-computed tomography reveals repeated phenotypic divergence in parasites to escape host defense. 0
- 242 Congruence between Physical Activity Patterns and Dietary Patterns Inferred from Analysis of Sex Differences in Lifestyle Behaviors of Late Adolescents from Poland: Cophylogenetic Approach. **2023**, 15, 608 2
- 241 Decoupled Patterns of Diversity and Disparity Characterize an Ecologically Specialized Lineage of Neotropical Cricetids. 0
- 240 Linking rhizosphere soil microbial activity and plant resource acquisition strategy. 0
- 239 Using computer vision to understand the global biogeography of ant color. 1
- 238 Statistical evaluation of character support reveals the instability of higher-level dinosaur phylogeny. 0
- 237 Using pictographs as traits to explore morphological diversity in sharks. **2023**, 13, 0
- 236 Genomic signatures of past megafrugivore-mediated dispersal in Malagasy palms. 0
- 235 Diversification and biogeography of North American thistles (*Cirsium*: Carduoideae: Compositae): drivers of a rapid continent-wide radiation. 0
- 234 The evolution of the gliotoxin biosynthetic gene cluster in *Penicillium* fungi. 0
- 233 Spatial and phylogenetic structure of Alpine stonefly assemblages across seven habitats using DNA-species. 0

- 232 Autumn phenology of tree species in China is associated more with climate than with spring phenology and phylogeny. 14, 0
- 231 Quantitative biomechanical assessment of locomotor capabilities of the stem archosaur *Euparkeria capensis*. **2023**, 10, 1
- 230 A lizard is never late: squamate genomics as a recent catalyst for understanding sex chromosome and microchromosome evolution. 0
- 229 A new *Ophidion* (Orchidaceae, Pleurothallidinae) from the Pacific lowlands of Colombia and the unresolved phylogenetic position of *Phloeophila* s.l.. **2023**, 21, 0
- 228 Uncovering a miltiradiene biosynthetic gene cluster in the Lamiaceae reveals a dynamic evolutionary trajectory. **2023**, 14, 0
- 227 Relationship between fruit phenotypes and domestication in hexaploid populations of biribí (*Annona mucosa*) in Brazilian Amazonia. 11, e14659 0
- 226 Population genetic analysis of the microsporidium *Ordospora colligata* reveals the role of natural selection and phylogeography on its extremely compact and reduced genome. 0
- 225 Microstructural and crystallographic evolution of palaeognath (Aves) eggshells. 12, 0
- 224 Can hyper/hypo-osmoregulating fiddler crabs from the Atlantic coast of South America mobilize intracellular free amino acids as osmotic effectors during salinity challenge?. 0
- 223 New Caledonia's enigmatic terrestrial diving beetle *Typhlodessus monteithi* is a derived species of *Paroster*. **2023**, 52, 176-183 0
- 222 Adsorptive exchange of coccolith biominerals facilitates viral infection. **2023**, 9, 0
- 221 Evolution of sexually selected traits across animals. 11, 0
- 220 Variation in temperature of peak trait performance will constrain adaptation of arthropod populations to climatic warming. 0
- 219 Genetic evidence for widespread population size expansion in North American boreal birds prior to the Last Glacial Maximum. **2023**, 290, 1
- 218 Contrasting patterns of genome size diversity in island endemic *Artemisia* (Asteraceae). 0
- 217 Contrasting Silicon Dynamics Between Aboveground Vegetation and Soil Along a Secondary Successional Gradient in a Cool-temperate Deciduous Forest. 0
- 216 Climatic Niche Conservatism and Ecological Diversification in the Holarctic Cold-Dwelling Butterfly Genus *Erebia*. **2023**, 7, 0
- 215 Nanopore-only assemblies for genomic surveillance of the global priority drug-resistant pathogen, *Klebsiella pneumoniae*. **2023**, 9, 0

- 214 Widespread convergent morphological evolution within the largest family of songbirds. **2023**, 77, 812-822 ○
- 213 Cold Comfort: metabolic rate and tolerance to low temperatures predict latitudinal distribution in ants. ○
- 212 Three-way relationships between gut microbiota, helminth assemblages and bacterial infections in wild rodent populations. 3, ○
- 211 New phylogenetic Markov models for inapplicable morphological characters. ○
- 210 Evolutionary Patterns of the Chloroplast Genome in Vanilloid Orchids (Vanilloideae, Orchidaceae). **2023**, 24, 3808 ○
- 209 Hair, there and everywhere: A comparison of bat wing sensory hair distribution. ○
- 208 Genomic characterization of the antiviral arsenal of Actinobacteria. ○
- 207 Decoupling body shape and mass distribution in birds and their dinosaurian ancestors. **2023**, 14, ○
- 206 Phylogenetic patterns in regional flea assemblages from 6 biogeographic realms: strong links between flea and host phylogenetic turnovers and weak effects of phylogenetic originality on host specificity. **2023**, 150, 455-467 ○
- 205 Global patterns and drivers of leaf photosynthetic capacity: The relative importance of environmental factors and evolutionary history. **2023**, 32, 668-682 ○
- 204 phytools 2.0: An updated R ecosystem for phylogenetic comparative methods (and other things). ○
- 203 Absence of song suggests heterogeneity of vocal-production learning in hummingbirds. ○
- 202 Correlated evolution in an ectomycorrhizal host-symbiont system. **2023**, 238, 1215-1229 ○
- 201 The contribution of plant life and growth forms to global gradients of vascular plant diversity. ○
- 200 The selective drivers of allometry in sharks (Chondrichthyes: Elasmobranchii). ○
- 199 Ancient Fish Lineages Illuminate Toll-Like Receptor Diversification in Early Vertebrate Evolution. ○
- 198 Back to the roots, desiccation and radiation resistances are ancestral characters in bdelloid rotifers. **2023**, 21, ○
- 197 Flowers are leakier than leaves but cheaper to build. ○

- 196 Traits shaping urban tolerance in birds differ around the world. **2023**, ○
- 195 A complete genus-level phylogeny reveals the Cretaceous biogeographic diversification of the poppy family. **2023**, 181, 107712 ○
- 194 The radial head of the Middle Miocene ape *Nacholapithecus kerioi*: Morphometric affinities, locomotor inferences, and implications for the evolution of the hominoid humeroradial joint. **2023**, 178, 103345 ○
- 193 Advances in the understanding of Blattodea evolution: Insights from phylotranscriptomics and spermathecae. **2023**, 182, 107753 ○
- 192 Use of High-Resolution Geospatial and Genomic Data to Characterize Recent Tuberculosis Transmission, Botswana. **2023**, 29, ○
- 191 An evolutionary algorithm based on parsimony for the multiobjective phylogenetic network inference problem. **2023**, 139, 110270 ○
- 190 Evolutionary and biogeographic implications of an Erycine snake (Serpentes, Erycidae, *Eryx*) from the Upper Miocene of the Linxia Basin, Gansu Province, China. **2023**, 617, 111491 ○
- 189 Exceptional levels of species discovery ameliorate inferences of the biogeography and diversification of an Afrotropical catfish family. **2023**, 182, 107754 ○
- 188 Mediterranean songbirds show pronounced seasonal variation in thermoregulatory traits. **2023**, 280, 111408 ○
- 187 Sex differences in adult lifespan and aging rate across mammals: A test of the Mother Curse hypothesis. **2023**, 212, 111799 ○
- 186 Phylogenomics reconciles molecular data with the rich fossil record on the origin of living turtles. **2023**, 183, 107773 ○
- 185 Divergent evolution drives high diversity of toll-like receptors (TLRs) in passerine birds: Buntings and finches. **2023**, 144, 104704 ○
- 184 Gaussian process models for geographic controls in phylogenetic trees. 3, 57 ○
- 183 Phylogenetic diversity of the mangrove crabs communities in the Persian Gulf; its relationship with functional diversity highlights conservation priorities. **2023**, 53, ○
- 182 Fourier transform infrared spectroscopy; can it be used as a rapid typing method of *Neisseria gonorrhoeae*?. **2023**, 205, 106675 ○
- 181 Expanding *Acutuncus*: Phylogenetics and morphological analyses reveal a considerably wider distribution for this tardigrade genus. **2023**, 180, 107707 ○
- 180 The phylogenomics and evolutionary dynamics of the organellar genomes in carnivorous *Utricularia* and *Genlisea* species (Lentibulariaceae). **2023**, 181, 107711 ○
- 179 Evolution of Fertilization-Related Genes Provides Insights Into Reproductive Health in Natural Ascrotal Mammals. 9, ○

- 178 Allopatric mosaics in the Indo-West Pacific crab subfamily Chlorodiellinae reveal correlated patterns of sympatry, genetic divergence, and genitalic disparity. **2023**, 181, 107710 ○
- 177 Plastome evolution and phylogenomics of Impatiens (Balsaminaceae). **2023**, 257, ○
- 176 Deciphering complex reticulate evolution of Asian *Buddleja* (Scrophulariaceae): insights into the taxonomy and speciation of polyploid taxa in the Sino-Himalayan region. ○
- 175 Insects pollinated flowering plants for most of angiosperm evolutionary history. ○
- 174 Convergent evolution of quadrupedality in ornithischian dinosaurs was achieved through disparate forelimb muscle mechanics. **2023**, 290, 1
- 173 Macroevolutionary analysis of swallows revives the sight-line hypothesis. **2023**, 77, ○
- 172 Climatic debts for global amphibians: Who, where and why?. **2023**, 279, 109929 ○
- 171 Chromosome-level genomes of multicellular algal sisters to land plants illuminate signaling network evolution. ○
- 170 Assessing the role of invasive weeds in the impact of successional habitats on the bird assemblage in overgrowing agriculture. **2023**, 72, 126352 ○
- 169 Distribution and origins of *Mycobacterium tuberculosis* L4 in Southeast Asia. **2023**, 9, ○
- 168 Evidence for a core set of microbial lichen symbionts from a global survey of metagenomes. ○
- 167 Evolutionary convergence of muscle architecture in relation to locomotor ecology in snakes. **2023**, 242, 862-871 ○
- 166 Decomposing trends in bird populations: Climate, life histories and habitat affect different aspects of population change. **2023**, 29, 572-585 ○
- 165 Newly identified sex chromosomes in the *Sphagnum* (peat moss) genome alter carbon sequestration and ecosystem dynamics. **2023**, 9, 238-254 ○
- 164 Links to rare climates do not translate into distinct traits for island endemics. **2023**, 26, 504-515 ○
- 163 Variations in cochlea shape reveal different evolutionary adaptations in primates and rodents. **2023**, 13, ○
- 162 Macroevolutionary diversity of traits and genomes in the model yeast genus *Saccharomyces*. **2023**, 14, ○
- 161 Fewer chromosomes, more co-occurring species within plant lineages: A likely effect of local survival and colonization. ○

- 160 Evolutionary rescue and geographic range shifts under climate change for global amphibians. 11, ○
- 159 Morphometric characters in a taxonomic diagnosis of *Dolichopus pennatus* species group (Diptera: Dolichopodidae). **2022**, 21, 328-336 ○
- 158 Evaluating the Performance of Widely Used Phylogenetic Models for Gene Expression Evolution. ○
- 157 The evolutionary history of spines in Cenozoic arms race with mammals. ○
- 156 Deep learning approaches to viral phylogeography are fast and as robust as likelihood methods to model misspecification. ○
- 155 Unravelling the postural diversity of mammals: Contribution of humeral cross-sections to palaeobiological inferences. ○
- 154 Climate-influenced boreotropical survival and rampant introgressions explain the thriving of New World grapes in the north temperate zone. ○
- 153 A latitudinal gradient of deep-sea invasions for marine fishes. **2023**, 14, ○
- 152 Does learning matter? Birdsong-learning program determines coping strategies for living in urban noisy environments. **2023**, 77, ○
- 151 The phylogeny and global biogeography of Primulaceae based on high-throughput DNA sequence data. **2023**, 182, 107702 ○
- 150 Evolutionary patterns of host switching, lifestyle mode, and the diversification history in symbiotic zoantharians. **2023**, 182, 107732 ○
- 149 Life history and cancer in birds: clutch size predicts cancer. ○
- 148 Genome size evolution in grasshoppers (Orthoptera: Caelifera: Acrididae). ○
- 147 Ground nesting in passerine birds: evolution, biogeography and life history correlates. ○
- 146 Comprehensive Comparative Analysis Sheds Light on the Patterns of Microsatellite Distribution across Birds Based on the Chromosome-Level Genomes. **2023**, 13, 655 ○
- 145 Recent transposable element bursts are associated with the proximity to genes in a fungal plant pathogen. **2023**, 19, e1011130 ○
- 144 The effects of ecology and behavior on the evolution of coloration in Coraciiformes. ○
- 143 Quantitative investigation of pengornithid enantiornithine diet reveals macrocarnivorous ecology evolved in birds by Early Cretaceous. **2023**, 26, 106211 ○

- 142 Cancer Prevalence Across Vertebrates. ○
- 141 Karyotype evolution in *Ronderosiagrasshoppers* (Orthoptera: Acrididae). ○
- 140 Loss of the benthic life stage in Medusozoa and colonization of the open ocean. ○
- 139 Color polymorphism and conspicuousness do not increase speciation rates in Lacertids. ○
- 138 Precipitation is the main axis of tropical plant phylogenetic turnover across space and time. **2023**, 9, ○
- 137 Distinct genomic contexts predict gene presence-absence variation in different pathotypes of a fungal plant pathogen. ○
- 136 Molecular and phylogenetic datasets for the Asterophryinae frogs of New Guinea with additional data on lifestyle, geography, and elevation. **2023**, 47, 108987 ○
- 135 A phylogenomic analysis of *Lonicera* and its bearing on the evolution of organ fusion. ○
- 134 Genome Size Changes by Duplication, Divergence, and Insertion in *Caenorhabditis* Worms. **2023**, 40, ○
- 133 Structural screens identify candidate human homologs of insect chemoreceptors and cryptic *Drosophila* gustatory receptor-like proteins. 12, ○
- 132 rphenoscate: An R package for semantic-aware evolutionary analyses of anatomical traits. ○
- 131 DAISIEprep: an R package for the extraction and formatting of data for the island biogeography model DAISIE. ○
- 130 Meta-analytic evidence that allelopathy may increase the success and impact of invasive grasses. 11, e14858 ○
- 129 Morphological disparity and evolutionary rates of cranial and postcranial characters in sloths (Mammalia, Pilosa, Folivora). **2023**, 66, 1
- 128 Morphological and physiological traits of the respiratory system in *Iguana iguana* and other non-avian reptiles. **2023**, 157, 126079 ○
- 127 Habitat and not topographic heterogeneity constrains the range sizes of African mammals. **2023**, 50, 846-857 ○
- 126 Reproductive characteristics, population genetics, and pairwise kinship inform strategic recovery of a plant species in a fragmented landscape. **2023**, 5, ○
- 125 *Taurus* of the Tidepool? Inferring the Function of Cranial Weapons in Intertidal Sculpins (Pisces: Cottoidea: Oligocottinae). **2023**, 111, ○

- 124 Detecting punctuated evolution in SARS-CoV-2 over the first year of the pandemic. 3, ○
- 123 Strain-level bacterial typing directly from patient samples using optical DNA mapping. **2023**, 3, ○
- 122 Investigating the diversification of holocentromeric satellite DNATyba in Rhynchospora (Cyperaceae). 1
- 121 Detection of Streptococcus pyogenes M1UK in Australia and characterization of the mutation driving enhanced expression of superantigen SpeA. **2023**, 14, ○
- 120 Ecomorphological correlates of inner and middle ear anatomy within phyllostomid bats. ○
- 119 Exposure to sulfur in soil explains pigmentation by pheomelanin in birds inhabiting Iceland. ○
- 118 Illuminating the evolution of bioluminescence in sharks. **2023**, 66, ○
- 117 Adaptations of Pseudoxylaria towards a comb-associated lifestyle in fungus-farming termite colonies. **2023**, 17, 733-747 ○
- 116 Morphological trait evolution in Solanum (Solanaceae): evolutionary lability of key taxonomic characters. ○
- 115 Allometry reveals trade-offs between Bergmann's and Allen's rules, and different avian adaptive strategies for thermoregulation. **2023**, 14, ○
- 114 Distinct Growth Responses of Tundra Soil Bacteria to Short-Term and Long-Term Warming. **2023**, 89, ○
- 113 Phylogenomic insights into the origin and evolutionary history of evergreen broadleaved forests in East Asia under Cenozoic climate change. ○
- 112 Molecular exploration of fossil eggshell uncovers hidden lineage of giant extinct bird. **2023**, 14, ○
- 111 Imprints of historical and ecological factors in the phylogenetic structure of Australian Meliphagidae assemblages. **2023**, 50, 870-883 ○
- 110 Warning coloration, body size, and the evolution of gregarious behavior in butterfly larvae. ○
- 109 The evolution of skilled hindlimb movements in birds: A citizen science approach. ○
- 108 Developmental strategies underlying gigantism and miniaturization in non-avian theropod dinosaurs. **2023**, 379, 811-814 ○
- 107 Fine-scale spatial variation shape fecal microbiome diversity and composition in black-tailed prairie dogs (Cynomys ludovicianus). **2023**, 23, ○

- 106 Bacterial PncA improves diet-induced NAFLD in mice by enabling the transition from nicotinamide to nicotinic acid. **2023**, 6, ○
- 105 Altitudinal gradients and body size variation among Chinese lizards in different terrains. ○
- 104 Exploring the Macroevolutionary Signature of Asymmetric Inheritance at Speciation. ○
- 103 Recombination Variation Shapes Phylogeny and Introgression in Wild Diploid Strawberries. **2023**, 40, ○
- 102 Measuring What We Don't Know: Biodiversity Catalogs Reveal Bias in Taxonomic Effort. **2023**, 73, 112-123 ○
- 101 Implications for biological invasion of non-native plants for sale in the world's largest online market. ○
- 100 Extraordinary diversity among allopatric species in the genus *Goniurosaurus* (Squamata: Eublepharidae): understanding niche evolution and the need of conservation measures. **2023**, 32, 1549-1571 ○
- 99 Formation of the Holarctic Fauna: Dated molecular phylogenetic and biogeographic insights from the *Quedius*-lineage of Ground-Dwelling Rove Beetles (Coleoptera, Staphylinidae). **2023**, 182, 107749 ○
- 98 Macroevolutionary consequences of karyotypic changes in the neotropical Serrasalminae fishes (Ostariophysi, Characiformes) diversification. ○
- 97 Diversified chemical profiles of cuticular wax on alpine meadow plants of the Qinghai-Tibet Plateau. **2023**, 257, ○
- 96 Divergent vertebral formulae shape the evolution of axial complexity in mammals. **2023**, 7, 367-381 ○
- 95 A new perspective on the macrolichen genus *Platismatia* (Parmeliaceae, Ascomycota) based on molecular and phenotypic data. **2023**, 126, ○
- 94 Time trees and clock genes: a systematic review and comparative analysis of contemporary avian migration genetics. ○
- 93 Cellular and environmental dynamics influence species-specific extents of organelle gene retention. **2023**, 290, ○
- 92 Scleral appearance is not a correlate of domestication in mammals. ○
- 91 Reconstructing locomotor ecology of extinct avialans: a case study of *Ichthyornis* comparing sternum morphology and skeletal proportions. **2023**, 290, ○
- 90 Evolutionary contingency in lingulid brachiopods across mass extinctions. **2023**, ○
- 89 Functional and regulatory diversification of circadian rhythm period genes during the evolution of vertebrates. ○

- 88 Dry Climate Filters Gymnosperms but Not Angiosperms through Seed Mass. **2023**, 15, 401
- 87 Strong floral morphology conservatism during the rapid diversification of the genus *Helianthemum*.
- 86 The phylogeny and evolutionary ecology of hoverflies (Diptera: Syrphidae) inferred from mitochondrial genomes. **2023**, 184, 107759
- 85 Genome size variation and polyploidy prevalence in the genus *Eragrostis* are associated with the global dispersal in arid area. 14,
- 84 Variability in ecological attributes of abundant species increases with taxonomic diversity: insights for assembly mechanisms of Neotropical bat communities.
- 83 Investigating the land-to-sea transition in carnivorans from the evolution of sacrum morphology in pinnipeds.
- 82 *Sinorhizobium meliloti* FcrX coordinates cell cycle and division during free-living growth and symbiosis.
- 81 Endophyte genomes support greater metabolic gene cluster diversity compared with non-endophytes in *Trichoderma*.
- 80 New estimates of genome size in Orthoptera and their evolutionary implications. **2023**, 18, e0275551
- 79 Ecological drivers and consequences of torpor in Andean hummingbirds. **2023**, 290,
- 78 Evolutionary transitions from camouflage to aposematism: Hidden signals play a pivotal role. **2023**, 379, 1136-1140
- 77 Evolutionary loss of complexity in animal signals: cause and consequence. **2023**, 77, 660-669
- 76 Geometric regularity in webs of non-orb-weaving spiders. **2023**, 13,
- 75 Early diversification of avian limb morphology and the role of modularity in the locomotor evolution of crown birds. **2023**, 77, 342-354
- 74 Facial color diversity of *Polistes* paper wasps.
- 73 Diet versatility and functional trade-offs shape tooth morphology in squirrels. **2023**, 77, 83-96
- 72 Phylogenetically controlled life history trait meta-analysis in cetaceans reveals unexpected negative brain size and longevity correlation. **2023**, 77, 534-549
- 71 Functional and mechanistic diversity in ant tandem communication. **2023**, 26, 106418

- 70 Environment rather than character displacement explains call evolution in glassfrogs. **2023**, 77, 355-369 ○
- 69 Does haplodiploidy help drive the evolution of insect eusociality?. 11, ○
- 68 Evolution of semiaquatic habits in hippos and their extinct relatives: insights from the ear region. ○
- 67 Do Cleaner Fish (*Labroides dimidiatus*) Have General Cognitive Ability? A Reanalysis of Individual Differences Data and Consideration of Phylogenetic Context. ○
- 66 Functional and Proteomic Insights into Aculeata Venoms. **2023**, 15, 224 ○
- 65 Metagenomic Discovery of [Candidatus Parvarchaeales]Related Lineages Sheds Light on Adaptation and Diversification from Neutral-Thermal to Acidic-Mesothermal Environments. ○
- 64 funspace: an R package to build, analyze and plot functional trait spaces. ○
- 63 Preformative molt extent of *Cardellina* warblers increases with breeding latitude and migration distance. **2023**, 135, ○
- 62 The legacy of human use in Amazonian palm communities along environmental and accessibility gradients. ○
- 61 A real data-driven simulation strategy to select an imputation method for mixed-type trait data. **2023**, 19, e1010154 ○
- 60 Strength of the "Island rule" in birds is positively associated with absence of avian predators. **2023**, 19, ○
- 59 How do host plant use and seasonal life cycle relate to insect body size: A case study on European geometrid moths (Lepidoptera: Geometridae). ○
- 58 Germination responses to experimental rainfall timing identify potential vulnerability to climate change across a clade of California wildflowers. ○
- 57 Evolutionary Insights Into Felidae Iris Color Through Ancestral State Reconstruction. ○
- 56 Evolutionary history explains foliar spectral differences between arbuscular and ectomycorrhizal plant species. ○
- 55 Coevolutionary analysis of the *Phlopterooides* Mey, 2004 (Phthiraptera: Ischnocera) parasitizing bulbuls (Passeriformes: Pycnonotidae). 11, ○
- 54 Seed functional ecology in Brazilian rock outcrop vegetation: an integrative synthesis. ○
- 53 Evidence for adaptive evolution towards high magnetic sensitivity of potential magnetoreceptor in songbirds. ○

- 52 Taxonomy of the rear-edge populations: the case of genus *Anterastes* (Orthoptera, Tettigoniidae). ○
- 51 Parasite hybridization promotes spreading of endosymbiotic viruses. ○
- 50 Reconstructing the dietary habits and trophic positions of the Longipterygidae (Aves: Enantiornithes) using neontological and comparative morphological methods. 11, e15139 ○
- 49 Diversification of cephalic shield shape and antenna in phyllosoma I of slipper and spiny lobsters (Decapoda: Achelata). 10, ○
- 48 Anthropogenic impacts on threatened species erode functional diversity in chelonians and crocodylians. **2023**, 14, ○
- 47 The relationships of plant species occupancy to niches and traits vary with spatial scale. ○
- 46 Evaluation of a dill (*Anethum graveolens* L.) gene bank germplasm collection using multivariate analysis of morphological traits, molecular genotyping and chemical composition to identify novel genotypes for plant breeding. 11, e15043 ○
- 45 The role of geography, ecology, and hybridisation in the evolutionary history of Canary Island *Descurainia*. ○
- 44 Dwarfism and gigantism drive human-mediated extinctions on islands. **2023**, 379, 1054-1059 ○
- 43 Bill shape imposes biomechanical tradeoffs in cavity-excavating birds. **2023**, 290, ○
- 42 A parasitoid serpin gene that disrupts host immunity shows adaptive evolution of alternative splicing. ○
- 41 Parallel host shifts in a bacterial plant pathogen suggest independent genetic solutions. ○
- 40 Diversity Begets Diversity When Diet Drives Snake Venom Evolution, but Evenness Rather Than Richness Is What Counts. **2023**, 15, 251 ○
- 39 The Bacterial Microbiome of the Coral Skeleton Algal Symbiont *Ostreobium* Shows Preferential Associations and Signatures of Phylosymbiosis. ○
- 38 *Streptococcus canis* genomic epidemiology reveals the potential for zoonotic transfer. **2023**, 9, ○
- 37 Communities of Small Terrestrial Arthropods Change Rapidly Along a Costa Rican Elevation Gradient. **2023**, 255-307 ○
- 36 Three new species of the genus *Argyresthia* Hübner, [1825] from Guatemala, with notes on host plant evolution and Nearctic taxa (Lepidoptera: Argyresthiidae). **2023**, 51, 159-181 ○
- 35 Genomics of the *Humorigenes* clade of the family Rhizobiaceae and description of *Rhizobium rhododendri* sp. nov.. **2023**, 12, ○

- 34 Theropod dinosaur facial reconstruction and the importance of soft tissues in paleobiology. **2023**, 379, 1348-1352
- 33 Does pollinator dependence decrease along elevational gradients?. **2023**,
- 32 Global beta-diversity of angiosperm trees is shaped by Quaternary climate change. **2023**, 9,
- 31 Endocranial anatomy of the early prozostrodonts (Eucynodontia: Probainognathia) and the neurosensory evolution in mammal forerunners.
- 30 Investigating the Relationship between CRISPR-Cas Content and Growth Rate in Bacteria.
- 29 Nuclear DNA Amounts in Chinese Bryophytes Estimated by Flow Cytometry: Variation Patterns and Biological Significances. **2023**, 12, 1564
- 28 Ecological and Evolutionary Origin of *Costus flammulus* (Costaceae): A New Species from the Montane Cloud Forests of the Volcanic Cordilleras in Northern Costa Rica. **2023**, 48, 145-157
- 27 The origin of a mountain biota: hyper-aridity shaped reptile diversity in an Arabian biodiversity hotspot.
- 26 An ancient metalloenzyme evolves through metal preference modulation.
- 25 Distribution and abundance of tetraether lipid cyclization genes in terrestrial hot springs reflect pH.
- 24 Evolutionary history and global angiosperm species richness-climate relationships.
- 23 Body Size Poorly Predicts Host-Associated Microbial Diversity in Wild Birds.
- 22 Body size affects specialization and modularity in the global resin foraging meta-network of stingless bees.
- 21 Structural basis of sensory receptor evolution in octopus. **2023**, 616, 373-377
- 20 Sensory specializations drive octopus and squid behaviour. **2023**, 616, 378-383
- 19 Genome-wide gene birth-death dynamics are associated with diet breadth variation in Lepidoptera.
- 18 Global patterns and predictors of avian population density.
- 17 Predictable genetic recruitment for luciferin sulfation in the convergent evolution of bioluminescence.

- 16 DNA methylation signatures of duplicate gene evolution in angiosperms. ○
- 15 Phylogenetic analysis of Blaberoidea reveals non-monophyly of taxa and supports the creation of multiple new subfamilies. ○
- 14 Variation in Sphingomonas traits across habitats and phylogenetic clades. 14, ○
- 13 Primate sympatry shapes the evolution of their brain architecture. 3, ○
- 12 Morphology and niche evolution influence hummingbird speciation rates. **2023**, 290, ○
- 11 The evolutionary history of rice azaleas (*Rhododendron tschonoskii* alliance) involved niche evolution to a montane environment. ○
- 10 Body size and substrate use affect ventral, but not dorsal, brightness evolution in lizards. ○
- 9 Hierarchical clustering: Visualization, feature importance and model selection. **2023**, 110303 ○
- 8 Systematics and biogeography of the Old World fern genus *Antrophyum*. ○
- 7 Testing the predictive value of functional traits in diverse ant communities. **2023**, 13, ○
- 6 Single-cell adaptations shape evolutionary transitions to multicellularity in green algae. ○
- 5 Overlaps and trade-offs in the diversity and inducibility of volatile chemical profiles among diverse sympatric neotropical canopy trees. ○
- 4 Assessing the impact of fire on spiders through a global comparative analysis. **2023**, 290, ○
- 3 Evolutionary constraint and innovation across hundreds of placental mammals. **2023**, 380, ○
- 2 BEING A TREE CROP INCREASES THE ODDS OF EXPERIENCING YIELD DECLINES IRRESPECTIVE OF POLLINATOR DEPENDENCE. ○
- 1 The Elevational Gradient of Bird Beta Diversity in the Meili Snow Mountains, Yunnan Province, China. **2023**, 13, 1567 ○